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PENNSYLVANIA BULLETIN

Volume 44

Number 20

Saturday, May 17, 2014 • Harrisburg, PA

Pages 2837—3044

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**Latest Pennsylvania Code Reporters
(Master Transmittal Sheets):**

No. 474, May 2014

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Pennsylvania Bulletin

The *Pennsylvania Bulletin* is the official gazette of the Commonwealth of Pennsylvania. It is published every week and includes a table of contents. A cumulative subject matter index is published quarterly.

The *Pennsylvania Bulletin* serves several purposes. First, it is the temporary supplement to the *Pennsylvania Code*, which is the official codification of agency rules and regulations and other statutorily authorized documents. Changes in the codified text, whether by adoption, amendment, repeal or emergency action must be published in the *Pennsylvania Bulletin*. Further, agencies proposing changes to the codified text do so in the *Pennsylvania Bulletin*.

Second, the *Pennsylvania Bulletin* also publishes: Governor's Executive Orders; State Contract Notices; Summaries of Enacted Statutes; Statewide and Local Court Rules; Attorney General Opinions; Motor Carrier Applications before the Pennsylvania Public Utility Commission; Applications and Actions before the Department of Environmental Protection; Orders of the Independent Regulatory Review Commission; and other documents authorized by law.

The text of certain documents published in the *Pennsylvania Bulletin* is the only valid and enforceable text. Courts are required to take judicial notice of the *Pennsylvania Bulletin*.

Adoption, Amendment or Repeal of Regulations

Generally an agency wishing to adopt, amend or repeal regulations must first publish in the *Pennsylvania Bulletin* a Notice of Proposed Rulemaking. There are limited instances when the agency may omit the proposal step; it still must publish the adopted version.

The Notice of Proposed Rulemaking contains the full text of the change, the agency contact person, a fiscal note required by law and background for the action.

The agency then allows sufficient time for public comment before taking final action. An adopted proposal must be published in the *Pennsylvania Bulletin* before it can take effect. If the agency

wishes to adopt changes to the Notice of Proposed Rulemaking to enlarge the scope, it must repropose.

Citation to the *Pennsylvania Bulletin*

Cite material in the *Pennsylvania Bulletin* by volume number, a page number and date. Example: Volume 1, *Pennsylvania Bulletin*, page 801, January 9, 1971 (short form: 1 Pa.B. 801 (January 9, 1971)).

Pennsylvania Code

The *Pennsylvania Code* is the official codification of rules and regulations issued by Commonwealth agencies and other statutorily authorized documents. The *Pennsylvania Bulletin* is the temporary supplement to the *Pennsylvania Code*, printing changes as soon as they occur. These changes are then permanently codified by the *Pennsylvania Code Reporter*, a monthly, loose-leaf supplement.

The *Pennsylvania Code* is cited by title number and section number. Example: Title 10 *Pennsylvania Code*, § 1.1 (short form: 10 Pa. Code § 1.1).

Under the *Pennsylvania Code* codification system, each regulation is assigned a unique number by title and section. Titles roughly parallel the organization of Commonwealth government. Title 1 *Pennsylvania Code* lists every agency and its corresponding *Code* title location.

How to Find Documents

Search for your area of interest in the *Pennsylvania Code*. The *Pennsylvania Code* is available at www.pacode.com.

Source Notes give you the history of the documents. To see if there have been recent changes, not yet codified, check the List of *Pennsylvania Code* Chapters Affected in the most recent issue of the *Pennsylvania Bulletin*.

A chronological table of the history of *Pennsylvania Code* sections may be found at www.legis.state.pa.us.

The *Pennsylvania Bulletin* also publishes a quarterly List of Pennsylvania Code Sections Affected which lists the regulations in numerical order, followed by the citation to the *Pennsylvania Bulletin* in which the change occurred. The *Pennsylvania Bulletin* is available at www.pabulletin.com.

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Printing Format

Material proposed to be added to an existing rule or regulation is printed in **bold face** and material proposed to be deleted from such a rule or regulation is enclosed in brackets [] and printed in **bold face**. Asterisks indicate ellipsis of *Pennsylvania Code* text retained without change. Proposed new or additional regulations are printed in ordinary style face.

Fiscal Notes

Section 612 of The Administrative Code of 1929 (71 P. S. § 232) requires that the Office of Budget prepare a fiscal note for regulatory actions and administrative procedures of the administrative departments, boards, commissions or authorities receiving money from the State Treasury stating whether the proposed action or procedure causes a loss of revenue or an increase in the cost of programs for the Commonwealth or its political subdivisions; that the fiscal note be published in the *Pennsylvania Bulletin* at the same time as the proposed change is advertised; and that the fiscal note shall provide the following information: (1) the designation of the fund out of which the appropriation providing for expenditures under the action or procedure shall be made; (2) the probable cost for the fiscal year the program is implemented; (3) projected cost estimate of the program for each of the five succeeding fiscal years; (4) fiscal history of the program for which expenditures are to be made; (5) probable loss of revenue for the fiscal year of its implementation; (6) projected loss of revenue from the program for each of the five succeeding fiscal years; (7) line item, if any, of the General Appropriation Act or other appropriation act out of which expenditures or losses of Commonwealth funds shall occur as a result of the action or procedures; (8) recommendation, if any, of the Secretary of the Budget and the reasons therefor.

The required information is published in the foregoing order immediately following the proposed change to which it relates; the omission of an item indicates that the agency text of the fiscal note states that there is no information available with respect thereto. In items (3) and (6) information is set forth for the first through fifth fiscal years; in that order, following the year the program is implemented, which is stated. In item (4) information is set forth for the current and two immediately preceding years, in that order. In item (8) the recommendation, if any, made by the Secretary of Budget is published with the fiscal note. See 4 Pa. Code § 7.231 *et seq.* Where “no fiscal impact” is published, the statement means no additional cost or revenue loss to the Commonwealth or its local political subdivision is intended.

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THE GENERAL ASSEMBLY

Recent Actions During the 2014 Regular Session of the General Assembly

The following is a summary of recent actions of the General Assembly during the 2014 Regular Session.

| <i>Doc. No.</i> | <i>Date of Action</i> | <i>Bill Number</i> | <i>Printer's Number</i> | <i>Effective Date</i> | <i>Subject Matter</i> |
|---|-----------------------|--------------------|-------------------------|-----------------------|--|
| 2014 General Acts of Regular Session Enacted—Act 027 through 040 | | | | | |
| 027 | Apr 7 | HB0089 | PN0744 | 60 days | Vehicle Code (75 Pa.C.S.)—DARE plate and payments to special funds |
| 028 | Apr 7 | HB0316 | PN3198 | July 1, 2014 | Administrative Code of 1929—Department of Health and children's advocacy centers |
| 029 | Apr 7 | SB0024 | PN1795 | Dec 31, 2014 | Domestic Relations Code (23 Pa.C.S.)—omnibus amendments |
| 030 | Apr 10 | SB1181 | PN1794 | Immediately | Fiscal Code—Pennsylvania Race Horse Development Fund |
| 031 | Apr 15 | HB0431 | PN3179 | Dec 31, 2014 | Domestic Relations Code (23 Pa.C.S.)—education and training |
| 032 | Apr 15 | HB0436 | PN3290 | 60 days | Domestic Relations Code (23 Pa.C.S.)—persons required to report suspected child abuse, privileged communications and penalties for failure to report or to refer |
| 033 | Apr 15 | SB0021 | PN1917 | Dec 31, 2014 | Domestic Relations Code (23 Pa.C.S.)—omnibus amendments |
| 034 | Apr 15 | SB0033 | PN1644 | Dec 31, 2014 | Domestic Relations Code (23 Pa.C.S.)—persons required to report suspected child abuse and protection from employment discrimination |
| 035 | Apr 18 | HB0974 | PN3276 | 60 days | Public School Code of 1949—automated external defibrillators |
| 036 | Apr 18 | HB1263 | PN2021 | 60 days | Vehicle Code (75 Pa.C.S.)—transfer of ownership of vehicles used for human habitation |
| 037 | Apr 18 | HB1719 | PN3275 | 60 days | Boroughs and Incorporated Towns (8 Pa.C.S.) and Law and Justice (44 Pa.C.S.)—consolidating The Borough Code |
| 038 | Apr 18 | HB1794 | PN3278 | Immediately | Veterans Highway—designation |
| 039 | Apr 18 | HB1899 | PN2763 | 60 days | Juniata County Veterans Memorial Bridge—designation |
| 040 | Apr 18 | SB0267 | PN1858 | 60 days | Public School Code of 1949—excuses from attending school |

* denotes an effective date with exceptions

Effective Dates of Statutes

The effective dates specified previously for laws and appropriation acts were contained in the applicable law or appropriation act. Where no date is specified or where the effective date specified is prior to the date of enactment, the effective date is 60 days after final enactment except for statutes making appropriations or affecting budgets of political subdivisions. See 1 Pa.C.S. §§ 1701—1704 (relating to effective dates of statutes).

Advance Copies of Statutes

Section 1106 of Title 1 of the *Pennsylvania Consolidated Statutes* provides that the prothonotaries of each county shall file advance copies of statutes in their offices for public inspection until the *Laws of Pennsylvania* are generally available. Section 2406(h) of The Administrative Code of 1929 provides that the Department of General Services (Department) shall distribute advance sheets of the *Laws of Pennsylvania* to each law judge of the courts, to every county and public library of this Commonwealth and to each member of the General Assembly. These copies shall be furnished without charge. The Department shall also mail one copy of each law enacted during any legislative session to any person who pays to it the sum of \$25.

Requests for annual subscriptions for advance copies of statutes should be sent to the State Bookstore, Commonwealth Keystone Building, 400 North Street, Harrisburg, PA 17120, accompanied by a check or money order in the sum of \$25, payable to the "Commonwealth of Pennsylvania."

VINCENT C. DeLIBERATO, Jr.,
Director
Legislative Reference Bureau

[Pa.B. Doc. No. 14-1028. Filed for public inspection May 16, 2014, 9:00 a.m.]

THE COURTS

Title 204—JUDICIAL SYSTEM GENERAL PROVISIONS

[204 PA. CODE CHS. 81 AND 83]

Amendment of Rule 219(a) of the Pennsylvania Rules of Disciplinary Enforcement and Rule 1.15(u) of the Rules of Professional Conduct; No. 126 Disciplinary Rules Doc.

Order

Per Curiam

And Now, this 1st day of May, 2014, it is hereby *Ordered* that Rule 219(a) of the Pennsylvania Rules of Disciplinary Enforcement and Rule 1.15(u) of the Pennsylvania Rules of Professional Conduct are amended in the following form. These amendments shall be effective for the 2014-15 annual attorney assessment and shall continue until further Order of this Court.

Pursuant to Rule 103 of the Pennsylvania Rules of Judicial Administration, the immediate amendment of Rule 219(a) of the Pennsylvania Rules of Disciplinary Enforcement and Rule 1.15(u) of the Pennsylvania Rules of Professional Conduct is required in the interest of efficient administration.

This Order shall be processed in accordance with Rule 103(b) of the Pennsylvania Rules of Judicial Administration and shall be effective immediately.

Annex A

TITLE 204. JUDICIAL SYSTEM GENERAL PROVISIONS

PART V. PROFESSIONAL ETHICS AND CONDUCT

Subpart A. PROFESSIONAL RESPONSIBILITY

CHAPTER 81. RULES OF PROFESSIONAL CONDUCT

Subchapter A. RULES OF PROFESSIONAL CONDUCT

§ 81.4. Rules of Professional Conduct.

The following are the Rules of Professional Conduct:

CLIENT-LAWYER RELATIONSHIP

* * * * *

Rule 1.15. Safekeeping Property.

* * * * *

(u) Every attorney who is required to pay an active annual assessment under Rule 219 of the Pennsylvania Rules of Disciplinary Enforcement (relating to annual registration of attorneys) shall pay an additional annual fee of \$35.00 for use by the IOLTA Board. Such additional assessment shall be added to, and collected with and in the same manner as, the basic annual assessment, but the statement mailed by the Attorney Registration Office pursuant to Rule 219 shall separately identify the additional assessment imposed pursuant to this subdivision.

All amounts received pursuant to this subdivision shall be credited to the IOLTA Board.

* * * * *

Subpart B. DISCIPLINARY ENFORCEMENT

CHAPTER 83. PENNSYLVANIA RULES OF DISCIPLINARY ENFORCEMENT

Subchapter B. MISCONDUCT

Rule 219. Annual registration of attorneys.

(a) Every attorney admitted to practice law in this Commonwealth shall pay an annual fee of [**\$130.00**] **\$125.00** and file the annual fee form provided for in this rule. The fee shall be collected under the supervision of the Attorney Registration Office, which shall send or cause to be sent to every attorney, except an attorney who has elected to file the form electronically, the annual fee form. The Attorney Registration Office shall transmit to those attorneys who have elected to file the form electronically a notice by e-mail to register by July 1. Failure to receive the annual fee form by mail or electronically shall not excuse payment of the fee. The said fee shall be used to defray the costs of disciplinary administration and enforcement under these rules, and for such other purposes as the Board shall, with the approval of the Supreme Court, from time to time determine.

* * * * *

[Pa.B. Doc. No. 14-1029. Filed for public inspection May 16, 2014, 9:00 a.m.]

Title 255—LOCAL COURT RULES

BUCKS COUNTY

Adult Probation and Parole Supervisors On-Call Pay; Administrative Order No. 71

Order

And Now, this 9th day of November, 2012, in order to permit the execution of the On-Call pay for Supervisors in the Adult Probation and Parole Department, it is hereby *Ordered* and *Decreed* that:

Supervisors on night and weekend standby duty will be paid a flat rate of four hundred and sixty (\$460.00) dollars for every seven-day on-call rotation.

Night and weekend standby duty will consist of Monday through Thursday from 5:00 p.m. to 8:00 a.m. and from 5:00 p.m. on Friday through 8:00 a.m. on Monday, including holidays.

This Order shall take effect December 31, 2012.

The current comp time practice will remain in effect through Sunday, December 30, 2012.

By the Court

SUSAN DEVLIN SCOTT,
President Judge

[Pa.B. Doc. No. 14-1030. Filed for public inspection May 16, 2014, 9:00 a.m.]

WESTMORELAND COUNTY
Orphans' Court Rule WO407; No. 65-96-214

Administrative Order

And Now this 28th day of April, 2014 *It Is Hereby Ordered That* the introductory paragraph of Westmoreland County Orphans' Court Rule WO407(a)(1) is rescinded and new introductory paragraph WO407(a)(1) is adopted. Items WO407(a)(1)(A) through (K) remain unchanged.

By the Court

RICHARD E. McCORMICK, Jr.,
President Judge

Rule WO407. Small Estates.

(a) *Personalty*

(1) When any person domiciled in Westmoreland County, Pennsylvania dies owning property (exclusive of real estate and of wages, salary or any accrued vacation benefits or pension payable under 20 Pa.C.S.A. § 3101, but including personal property claimed as the family exemption) of a gross value not exceeding \$50,000.00, any party in interest may present a petition for the distribution of the property. The petition shall set forth:

[Pa.B. Doc. No. 14-1031. Filed for public inspection May 16, 2014, 9:00 a.m.]

DISCIPLINARY BOARD OF THE SUPREME COURT

Notice of Administrative Suspension

Notice is hereby given that the following attorneys have been Administratively Suspended by Order of the Supreme Court of Pennsylvania dated April 3, 2014, pursuant to Rule 111(b) Pa.R.C.L.E., which requires that every active lawyer shall annually complete, during the compliance period for which he or she is assigned, the continuing legal education required by the Continuing Legal Education Board. The Order became effective May 3, 2014 for Compliance Group 2.

Notice with respect to attorneys having Pennsylvania registration addresses, which have been transferred to inactive status by said Order, was published in the appropriate county legal journal.

Alvarez Gonzalez, Amarilis
 Pennsauken, NJ

Bridges, Jr., Alfred Wesley
 Bordentown, NJ

Buividas, Stephen James
 Cherry Hill, NJ

Camiso, Nichole
 Lawrenceville, NJ

Clarke, Nadira
 Washington, DC

D'Alonzo, Jr., Augustino Dominick
 Northport, NY

Dakhari, Eric D.
 Haddonfield, NJ

Eisdorfer, Allen
 Colonia, NJ

Gilliland, Zachary David
 Marietta, OH

Graham, Beverly
 Atlantic City, NJ

Harrison, Donald M.
 Moorestown, NJ

Hlesciak, Jeffrey P.
 Lumberton, NJ

Igwe, Emeka
 Middletown, DE

Jennings, Jr., Martin J.
 Lawrenceville, NJ

Kent, Michael
 Washington, DC

Manning, III, Dennis J
 The Netherlands

Masciocchi, Francis J.
 Mount Laurel, NJ

McCauley, Mary A.
 Newark, DE

McHugh, Stephen Vincent
 Cherry Hill, NJ

Mullin, Cheryl L.
 Richardson, TX

Ritigstein, Stephanie Felice
 Cherry Hill, NJ

Ryan, Karyn Kmak
 Great Falls, VA

Sanchez, Robert J.
 Naples, FL

Streeter, II, Arthur Lyman
 Franklin, MA

Thornton, Tamika Nicole
 Washington, DC

Urban, Tara C.
 Wellesley, MA

Weatherly, Robert James
 Plainfield, NJ

SUZANNE E. PRICE,
Attorney Registrar
The Disciplinary Board of the
Supreme Court of Pennsylvania

[Pa.B. Doc. No. 14-1032. Filed for public inspection May 16, 2014, 9:00 a.m.]

RULES AND REGULATIONS

Title 25—ENVIRONMENTAL PROTECTION

DELAWARE RIVER BASIN COMMISSION

[25 PA. CODE CH. 901]

Amendments to the Water Quality Regulations, Water Code and Comprehensive Plan to Revise the Human Health Water Quality Criteria for PCBs in Zones 2 through 6 of the Delaware Estuary and Bay

Summary:

By Resolution No. 2013-8 on December 4, 2013, the Delaware River Basin Commission (“DRBC” or “Commission”) approved amendments to the Commission’s Water Quality Regulations, Water Code and Comprehensive Plan to establish a uniform water quality criterion of 16 picograms per liter for polychlorinated biphenyls (PCBs) in the Delaware Estuary and Bay, DRBC Water Quality Management Zones 2 through 6, for the protection of human health from carcinogenic effects.

Effective Date:

Thirty (30) days from publication of the corresponding notice of final rulemaking in the *Federal Register*.

Supplementary Information:

The Delaware River Basin Commission is a federal-state regional agency charged with managing the water resources of the Delaware River Basin without regard to political boundaries. Its members are the governors of the four basin states—Delaware, New Jersey, New York and Pennsylvania—and the North Atlantic Division Commander of the U.S. Army Corps of Engineers, representing the federal government.

Notice of the proposed amendments appeared in the *Pennsylvania Bulletin* (43 Pa.B. 4740) on August 17, 2013 as well as in the *Federal Register* (78 FR 47241) on August 5, 2013, the *Delaware Register of Regulations* (17 DE Reg. 143) on August 1, 2013, the *New Jersey Register* (45 N.J.R. 1907) on August 5, 2013, and the *New York State Register* (page 3) on August 14, 2013. Notice of the proposed changes also was published on the Commission’s web site on August 2, 2013. A public hearing was held on September 10, 2013 and written comments were accepted through September 20, 2013.

The uniform water quality criterion of 16 picograms per liter for polychlorinated biphenyls (PCBs) in the Delaware Estuary and Bay for the protection of human health from carcinogenic effects is the product of more than a decade of data-gathering, assessment, debate and consensus-building involving dischargers, regulators, scientists, policy-makers and other stakeholders from across the region. The criterion is the product of a rigorous application of the most current available data and methodology, including site-specific data on fish consumption, site-specific bioaccumulation factors, and the current U.S. Environmental Protection Agency (EPA) methodology for the development of human health criteria for toxic pollutants (see EPA-822-B-00-004, October 2000). The criterion replaces the Commission’s current PCB criteria for the Estuary, which date from 1996. It supersedes less stringent state criteria in effect for Delaware Bay and elimi-

nates the undue complexity associated with the application in tidal waters of criteria that vary by water quality zone.

In addition to proposing the new criterion, the Commission’s notice of proposed rulemaking in August 2013 invited comment on a draft strategy for implementing the criterion for both point and non-point sources. Developed by the DRBC in partnership with the environmental agencies of the states of Delaware, New Jersey and Pennsylvania, EPA Regions II and III and EPA Headquarters (collectively, “the co-regulators”), the draft strategy sets forth detailed approaches for reducing PCB loadings from point and non-point sources over the coming decades. A key objective of the strategy is to provide uniformity and a degree of certainty to National Pollutant Discharge Elimination System (NPDES) permits that will be issued by the states bordering the Estuary and Bay. Notably, no Commission action on the draft implementation strategy was or is proposed. As DRBC’s Notice of Proposed Rulemaking indicated, new total maximum daily loads (“Stage 2 TMDLs”) for PCBs in the Delaware Estuary and Bay are expected to be established by EPA on behalf of the Estuary states following publication of this Final Rule. The strategy document will be included as an Appendix to the Stage 2 TMDL report when issued. Until Stage 2 TMDLs based upon the new criterion are established, the NPDES permitting authorities have indicated they intend to apply the existing permit approach, which was published as an appendix to the Stage 1 TMDLs for PCBs established by EPA Regions II and III for the Delaware Estuary in 2003 and for the Delaware Bay in 2006.

Rule Text:

The affected section of the Commission’s Water Code and Water Quality Regulations is Section 3.30, Table 6: Stream Quality Objectives for Carcinogens for the Delaware River Estuary and Bay. Specifically, in accordance with this Final Rule, for the parameter “PCBs (Total)”, in the column headed “Freshwater Objectives (ug/l): Fish & Water Ingestion,” the number “0.0000444” is replaced by “0.000016”; in the column headed “Freshwater Objectives (ug/l): Fish Ingestion Only,” the number “0.0000448” is replaced by “0.000016”; and in the column headed “Marine Objectives (ug/l): Fish Ingestion Only,” the number “0.0000079” is replaced by “0.000016.”

Related Materials, Contact:

The complete text of Resolution No. 2013-8, the Water Code, the Administrative Manual Part III—Water Quality Regulations, a basis and background document setting forth the technical basis for the new criterion, the response-to-comment document addressing comments received by DRBC on the proposed criterion and the draft implementation strategy, and additional documents concerning the control of PCBs in the Delaware Estuary all are available on the Commission’s website, DRBC.net. Copies also may be obtained from the Commission’s Secretary and Assistant General Counsel at 609-883-9500, ext. 203 or ext. 224. A charge for printing and mailing may apply.

Dated: April 8, 2014

PAMELA M. BUSH, Esq.,
Secretary

Fiscal Note: Fiscal Note 68-53 remains valid for the final adoption of the subject regulation.

Annex A

TITLE 25. ENVIRONMENTAL PROTECTION

PART V. DELAWARE RIVER BASIN COMMISSION

CHAPTER 901. GENERAL PROVISIONS

§ 901.2. Comprehensive Plan and water quality.

The Comprehensive Plan regulations as set forth in 18 CFR Part 401, Subpart A (2014) and the Water Code and Water Quality Standards as set forth in 18 CFR Part 410 (2014) are hereby incorporated by reference and made a part of this title.

[Pa.B. Doc. No. 14-1033. Filed for public inspection May 16, 2014, 9:00 a.m.]

DELAWARE RIVER BASIN COMMISSION

[25 PA. CODE CH. 901]

**Amendments to the Water Quality Regulations,
Water Code and Comprehensive Plan to Update
Water Quality Criteria for pH**

Summary:

By Resolution No. 2013-9 on December 4, 2013, the Delaware River Basin Commission (“DRBC” or “Commission”) approved amendments to the Commission’s Water Quality Regulations, Water Code and Comprehensive Plan to update the Commission’s stream quality objectives for pH in interstate tidal and non-tidal reaches of the main stem Delaware River.

Effective Date:

Thirty (30) days from publication of the corresponding notice of final rulemaking in the *Federal Register*.

Supplementary Information:

The Delaware River Basin Commission is a federal-state regional agency charged with managing the water resources of the Delaware River Basin without regard to political boundaries. Its members are the governors of the four basin states—Delaware, New Jersey, New York and Pennsylvania—and the North Atlantic Division Commander of the U.S. Army Corps of Engineers, representing the federal government.

Notice of the proposed amendments appeared in the *Pennsylvania Bulletin* (43 Pa.B. 5995) on October 12, 2013 as well as the *Federal Register* (78 FR 58985) on September 25, 2013, the *Delaware Register of Regulations* (17 DE Reg. 365) on October 1, 2013, the *New Jersey Register* (45 N.J.R. 2201) on October 7, 2013, and the *New York State Register* (page 13) on October 9, 2013. Notice of the proposed changes also was published on the Commission’s web site on September 20, 2013. A public hearing was held on October 24, 2013 and written comments were accepted through November 21, 2013. No written or oral comments were received.

The Commission’s current criteria for pH in interstate streams were adopted in 1967. Today, these criteria are inconsistent with scientists’ increased understanding of natural fluctuations in freshwater and saltwater pH levels and with modern applications of pH criteria. The amendments approved by the Commission on December 4, 2013 will minimize regulatory inconsistencies and better address natural pH cycles in the main stem Delaware River. First, they will increase from 6.0 to 6.5

the lower threshold of the range of acceptable pH conditions in non-tidal zones of the main stem—DRBC Water Quality Zones 1A through 1E. Second, they will add a clause to the pH criteria for all interstate tidal and non-tidal water quality zones, recognizing natural deviations outside the 6.5 to 8.5 pH range. In accordance with these changes, the pH criteria for Water Quality Zones 1A through 1E (the non-tidal main stem) and 2 through 6 (the tidal main stem and tidal portions of tributaries) will read, “Between 6.5 and 8.5 inclusive, unless outside this range due to natural conditions.”

Rule Text:

The affected sections of the Commission’s Water Code and Water Quality Regulations consist of subsection C.3 of each of sections 3.20.2 through 3.20.6, respectively, for Water Quality Zones 1A through 1E (non-tidal main stem); and sections 3.30.2 through 3.30.6, respectively, for Water Quality Zones 2 through 6 (tidal main stem and tidal portions of tributaries). In each of these sections, the text shall be amended to read, “Between 6.5 and 8.5 inclusive, unless outside this range due to natural conditions.”

(The affected sections relating to Water Quality Zones 1A through 1E were incorrectly identified in the Notice of Proposed Rulemaking as sections 2.20.2 through 2.20.6. Sections 2.20.2 through 2.20.6 of the Water Code are part of an unrelated article; no sections numbered 2.20.2 through 2.20.6 exist in the Water Quality Regulations.)

Related Materials:

The complete text of Resolution No. 2013-9, the Water Code, the Administrative Manual Part III—Water Quality Regulations, a basis and background document setting forth the technical basis for the amendments, and additional documents concerning pH criteria for interstate non-tidal and tidal reaches of the main stem Delaware River are available on the Commission’s website, DRBC.net. Copies also may be obtained from the Commission’s Secretary and Assistant General Counsel at 609-883-9500, ext. 203 or ext. 224. A charge for printing and mailing may apply.

Dated: April 8, 2014

PAMELA M. BUSH, Esq.,
Secretary

Fiscal Note: Fiscal Note 68-57 remains valid for the final adoption of the subject regulation.

Annex A

TITLE 25. ENVIRONMENTAL PROTECTION

PART V. DELAWARE RIVER BASIN COMMISSION

CHAPTER 901. GENERAL PROVISIONS

§ 901.2. Comprehensive Plan and water quality.

The Comprehensive Plan regulations as set forth in 18 CFR Part 401, Subpart A (2014) and the Water Code and Water Quality Standards as set forth in 18 CFR Part 410 (2014) are hereby incorporated by reference and made a part of this title.

[Pa.B. Doc. No. 14-1034. Filed for public inspection May 16, 2014, 9:00 a.m.]

Title 31—INSURANCE

INSURANCE DEPARTMENT

[31 PA. CODE CH. 25]

Rules and Procedural Requirements for Insurance Holding Company Systems

The Insurance Department (Department) amends Chapter 25 (relating to rules and procedural requirements for insurance holding company systems) under the authority of sections 206, 506, 1501 and 1502 of The Administrative Code of 1929 (71 P. S. §§ 66, 186, 411 and 412), regarding the general rulemaking authority of the Department, and Article XIV of The Insurance Company Law of 1921 (act) (40 P. S. §§ 991.1401—991.1413), regarding insurance holding companies.

Purpose

The purpose of this final-form rulemaking is to update Chapter 25 in accordance with amendments made to Article XIV of the act by the act of July 5, 2012 (P. L. 1111, No. 136) (Act 136). Chapter 25 sets forth rules and procedural requirements applicable to insurance holding company systems.

The amendments to Chapter 25 are based upon recent amendments to the model regulation developed by the National Association of Insurance Commissioners (NAIC) entitled “Insurance Holding Company System Model Regulation with Reporting Forms and Instructions” (Model #450). This final-form rulemaking is part of the financial regulation standards the Department must meet to maintain its accreditation as a regulator by the NAIC. Thus, the Commonwealth must enact requirements substantially similar to NAIC requirements to maintain NAIC accreditation.

Comments

Notice of proposed rulemaking was published at 43 Pa.B. 5996 (October 12, 2013) with a 30-day comment period. Comments were received from the Insurance Federation of Pennsylvania (IFP) expressing general support for the regulation and raising two concerns. The IFP recommended that § 25.12(c) (relating to forms—general requirements) be revised to delete the absolute confidentiality for personal financial statements of nonpublicly held ultimate controlling persons (UCP) making filings under section 1402 of the act (40 P. S. § 991.1402), commonly referred to as Form A filings. The IFP suggested that the Department instead use the “process the Department has in place for requesting and evaluating confidentiality requests” for financial statements of nonpublicly held UCPs as for all other materials filed by all UCPs in Form A filings. The IFP also suggested that the Department does not have the statutory authority to impose a distinction between these different types of filers.

Additionally, the IFP requested clarification of § 25.21(d) (relating to transactions subject to prior notice—notice filing) and recommended that “leases” be expressly covered under this subsection, and that the Department also clarify into which category a lease would fall, that is, whether a lease is a cost-sharing arrangement or a service contract.

On December 12, 2013, the Independent Regulatory Review Commission (IRRC) submitted comments raising three issues with the proposed rulemaking. IRRC requested that the Department explain the need for § 25.12(c) and how it is consistent with the act. IRRC also requested that the Department clarify in § 25.21(c)

how to report a lease involving a domestic insurer and a person in its insurance holding company system. IRRC inquired as to whether the acronym “NAIC” should be added to § 25.21(d)(2)(iii) with regard to the Accounting Practices and Procedure Manual.

Response

In response to comments from IRRC and the IFP, the Department added language to § 25.21(d) to clarify that leases are cost-sharing arrangements and should be reported accordingly. Additionally, the Department added “NAIC” to § 25.21(d)(2)(iii) as suggested by IRRC.

The Department declines to delete the confidentiality of protection for personal financial statements in § 25.12(c) per the IFP’s request. It should be noted that the Department did not propose to amend this subsection, which has been in effect for over 12 years. Likewise, the changes to Article XIV of the act made by Act 136 do not alter the Department’s authority to review Form A filings. The Department believes that this section is, and always was, consistent with Article XIV of the act.

With regard to Form A filings, the Department is statutorily charged with evaluating the transaction under the standards in section 1402(f)(1) of the act. Specifically, under section 1402(f)(1)(iii) of the act, the Department must determine whether the “financial condition of any acquiring party is such as might jeopardize the financial stability of the insurer or prejudice the interest of its policyholders.” Therefore, the Department must have complete access to the financial statements of the acquiring party. When the acquiring party is a public entity, the information is readily publicly available. However, when the acquiring party is an individual, the Department would need to evaluate the individual’s personal financial statements, which would necessarily contain sensitive personal financial information, the release of which may compromise the individual’s personal security.

For this reason, the Department has an established process in § 25.12 that enables the Department to evaluate this sensitive information while still providing the public access to the portions of the filing so that it may adequately comment on the same. Without these protections, individuals may be unwilling to submit their sensitive financial data for Department review and the Department would be unable to perform its statutory mandate to evaluate Form A filings.

The IFP incorrectly contended that the process for obtaining confidentiality of the personal financial statements § 25.12(c)(1) differs for nonpublicly held UCPs and publicly held UCPs. To the contrary, since 2001, both types of entities must explicitly request confidentiality and state the basis therefore and the requests are evaluated by the Department on a case-by-case basis. However, to clarify that the process for requesting confidential protection is equally applicable to personal financial statements of nonpublicly held UCPs, the Department amends subsection (c)(1) to reference “personal financial statements” along with “other materials.”

Finally, it is noteworthy that this particular provision within § 25.12(c) was included at the suggestion of the IFP in 2001. As explained by the Department at 31 Pa.B. 4406 (August 11, 2001):

IFP recommended that § 25.12(c) be amended to provide for the confidentiality of biographical statements and financial statements of ultimate controlling persons who are not public companies. While certain information in biographical statements would be confidential, for example, the social security num-

ber and home address of the person filing the statement, other information in the statement may be public. Therefore, the Department believes that the process in § 25.12(c) for asserting confidentiality is appropriate for biographical statements. *However, the Department agrees that the section should provide for the confidentiality of personal financial statements of nonpublicly held ultimate controlling persons and has so amended § 25.12(c) in this final-form rulemaking.*

(Emphasis added.) Since 2001, subsection (c) has served to provide notification to filers that personal financial statements will be provided confidential treatment if appropriately requested by a nonpublic UCP. The Department believes that the clarification in this final-form rulemaking with regard to the procedures for requesting confidential treatment adequately addresses the IFP's concern while remaining consistent with the Article XIV of the act.

Affected Parties

This final-form rulemaking applies to insurers authorized to do business in this Commonwealth who are members of an insurance holding company system. Additionally, certain provisions of the final-form rulemaking may apply to persons seeking to acquire an interest in a Pennsylvania domestic insurer.

Fiscal Impact

State government

The final-form rulemaking will strengthen and clarify existing regulatory requirements. There will not be material increase in cost to the Department as a result of this final-form rulemaking.

General public

The public will benefit to the extent the final-form rulemaking strengthens financial solvency regulatory requirements for insurers, thereby promoting the ability of the insurance industry to meet obligations under insurance policies.

Political subdivisions

This final-form rulemaking will not impose additional costs on political subdivisions.

Private sector

This final-form rulemaking will not impose significant costs on the transaction of business in this Commonwealth.

Effective Date

This final-form rulemaking will become effective on June 16, 2014.

Sunset Date

The Department continues to monitor the effectiveness of regulations on a triennial basis. Therefore, a sunset date has not been assigned.

Contact Person

Questions regarding this final-form rulemaking may be addressed in writing to Peter J. Salvatore, Regulatory Coordinator, Insurance Department, 1326 Strawberry Square, Harrisburg, PA 17120, fax (717) 705-3873, psalvatore@pa.gov.

Regulatory Review

Under section 5(a) of the Regulatory Review Act (71 P. S. § 745.5(a)), on September 30, 2013, the Department submitted a copy of the notice of proposed rulemaking, published at 43 Pa.B. 5996, to IRRC and the Chairper-

sons of the House Insurance Committee and the Senate Banking and Insurance Committee for review and comment.

Under section 5(c) of the Regulatory Review Act, IRRC and the House and Senate Committees were provided with copies of the comments received during the public comment period, as well as other documents when requested. In preparing the final-form rulemaking, the Department has considered all comments from IRRC, the House and Senate Committees and the public.

Under section 5.1(j.2) of the Regulatory Review Act (71 P. S. § 745.5a(j.2)), on April 9, 2014, the final-form rulemaking was deemed approved by the House and Senate Committees. Under section 5.1(e) of the Regulatory Review Act, IRRC met on April 10, 2014, and approved the final-form rulemaking.

Findings

The Commissioner finds that:

(1) Public notice of intention to adopt this final-form rulemaking was given under sections 201 and 202 of the act of July 31, 1968 (P. L. 769, No. 240) (45 P. S. §§ 1201 and 1202) and the regulations thereunder, 1 Pa. Code §§ 7.1 and 7.2.

(2) The adoption of this final-form rulemaking in the manner provided in this order is necessary and appropriate for the administration and enforcement of the authorizing statutes.

Order

The Commissioner, acting under the authorizing statutes, orders that:

(a) The regulations of the Department, 31 Pa. Code Chapter 25, are amended by adding § 25.21a and Form F and amending §§ 25.8, 25.12—25.16, 25.18, 25.20, 25.21 and 25.22 and Forms A, B, D and E to read as set forth in Annex A.

(b) The Department shall submit this order and Annex A to the Office of General Counsel and Office of Attorney General for approval as to form and legality as required by law.

(c) The Department shall certify this order and Annex A and deposit them with the Legislative Reference Bureau as required by law.

(d) The final-form regulations adopted by this order shall take effect on June 16, 2014.

MICHAEL F. CONSEDINE,
Insurance Commissioner

(*Editor's Note:* For the text of the order of the Independent Regulatory Review Commission relating to this document, see 44 Pa.B. 2592 (April 26, 2014).)

Fiscal Note: Fiscal Note 11-252 remains valid for the final adoption of the subject regulations.

Annex A

TITLE 31. INSURANCE

PART I. GENERAL PROVISIONS

Subpart B. SECURITIES AND STOCK TRANSACTIONS

CHAPTER 25. RULES AND PROCEDURAL REQUIREMENTS FOR INSURANCE HOLDING COMPANY SYSTEMS

§ 25.8. Waivers.

This chapter does not constitute a waiver by the Department of its authority, for the purpose of examining

into the affairs of a person proposing to acquire or offering to acquire voting securities of an insurer or a person which controls an insurer, to have free access to its books and papers which relate to its business, and to the books and papers kept by any of its agents. The Department may summon, and administer the oath to, and examine as witnesses, the directors, officers and agents of the person and other persons, relative to its affairs, transactions and condition.

§ 25.12. Forms—general requirements.

(a) Forms A—F located in Appendix A are intended to be guides in the preparation of the statements required by sections 1402—1405 of the act (40 P. S. §§ 991.1402—991.1405). They are not intended to be blank forms which are to be filled in. The forms filed shall contain the numbers and captions of all items, but the text of the items may be omitted if the answers are prepared in a manner that indicates clearly the scope and coverage of the items. Instructions, whether appearing under the items of the form or elsewhere therein, shall be omitted. Unless expressly provided otherwise, if an item is inapplicable or the answer thereto is in the negative, an appropriate statement to that effect shall be made.

(b) Two copies of Forms A and E and one copy of Forms B—D and F, including exhibits and other papers and documents filed as a part thereof, shall be filed with the Commissioner by personal delivery, mail, facsimile or other form of electronic transmission acceptable to the Department. At least one copy shall be signed in the manner prescribed on the form. Unsigned copies shall be conformed. If the signature of a person is affixed under a power of attorney or other similar authority, a copy of the power of attorney or other authority shall also be filed with the form.

(c) One of the filed copies of Form A shall be available for public inspection as of the date the filing is made; except that copies of personal financial statements of nonpublicly held ultimate controlling persons shall be given confidential treatment. Form A filings also may contain or reference other materials that are confidential, proprietary or privileged under statute, regulation, case law, administrative or court order, or other authority.

(1) If a person filing a Form A wishes to assert that personal financial statements or other materials included or referenced within the filing are confidential, proprietary or privileged and should not be available for public inspection, the person shall notify the Department at the time the initial filing is made as follows:

(i) Identify the specific information, document, report or other material that is asserted to be confidential, proprietary or privileged.

(ii) State the basis upon which the assertion of confidentiality, proprietary or privilege is premised.

(iii) Identify the person to whom inquiries regarding the issue of confidential treatment should be directed.

(iv) Submit one copy of the filing with the materials asserted to be confidential, proprietary or privileged physically separate from the remainder of the filing, or as otherwise instructed by the Department.

(2) If an applicant requests a hearing on a consolidated basis under section 1402(f)(2.1) of the act, in addition to filing Form A with the Commissioner, the applicant shall file a copy of the Form A with the NAIC in electronic form.

(d) Forms shall be prepared on 8 1/2 inches x 11 inches paper and preferably bound at the top or the top left-

hand corner. Exhibits and financial statements, unless specifically prepared for the filing, may be submitted in their original size. Copies of forms, financial statements or exhibits shall be clear, easily readable and suitable for review and reproduction. Debits in credit categories and credits in debit categories shall be designated so that they are clearly distinguishable on photocopies. An insurer may request that the Department accept a form in an electronic format only. Upon the Department's request, an insurer shall prepare an electronic version of the form, which may be submitted by secure e-mail, if this option is available to a company, or on CD-ROM mailed or hand-delivered to the Department.

(e) Forms shall be completed in the English language and monetary values shall be stated in United States currency. If a financial statement, exhibit or other paper or document filed with the form is in a foreign language, it shall be accompanied by a translation into the English language and monetary value shown in a foreign currency normally shall be converted into United States currency utilizing the conversion rate in effect as of the financial statement date.

§ 25.13. Forms—incorporation by reference, summaries and omissions.

(a) Information required in Form A, B or D—F located in Appendix A may be incorporated by reference as provided in this subsection if the incorporation would not make the information provided in the form incomplete, unclear or confusing. Information required by an item in Form A, B or D—F may be incorporated by reference in answer or partial answer to another item. Information contained in a financial statement, annual report, proxy statement, statement filed with a governmental authority or another document may be incorporated by reference in answer or partial answer to an item in Form A, B or D—F if the document or paper is filed as an exhibit to the form. Excerpts of documents may be filed as exhibits if the documents are extensive. Documents currently on file with the Commissioner which were filed within the immediately preceding 3 years need not be attached as exhibits if there has been no change in the information already on file. References to information contained in exhibits or in documents already on file shall clearly identify the material and shall specifically indicate that the material is to be incorporated by reference in answer to the item.

(b) If an item requires a summary or outline of the provisions of a document, only a brief statement shall be made as to the pertinent provisions of the document. In addition to the brief statement, the summary or outline may incorporate by reference particular parts of an exhibit or document currently on file with the Commissioner which was filed within the immediately preceding 3 years and may be qualified in its entirety by that reference. When two or more documents required to be filed as exhibits are substantially identical in all material respects, except as to the parties thereto, the dates of execution or other details, a copy of only one of the documents needs be filed with a schedule identifying the omitted documents and setting forth the material details in which the omitted documents differ from the document which is filed.

§ 25.14. Forms—information unknown or unavailable and extension of time to furnish.

If it is impractical to furnish required information, document or report at the time it is required to be filed, a separate document shall be filed with the Commissioner:

(1) Identifying the information, document or report in question.

(2) Stating why the filing thereof at the time required is impractical.

(3) Requesting an extension of time for filing the information, document or report to a specified date. The request for extension shall be deemed granted unless the Commissioner within 30 days after receipt thereof denies the request.

§ 25.15. Forms—additional information and exhibits.

(a) In addition to the information expressly required to be included in Forms A—F located in Appendix A, the person filing shall provide further material information, if any, as necessary for the completion or clarity of the information expressly required in the form. The person filing may also file exhibits as desired in addition to those expressly required by the form. The exhibits shall be marked to indicate clearly the subject matters to which they refer. The Commissioner may require the person filing the form to provide additional information as may be necessary to determine compliance with the act.

(b) Changes to Forms A—F must include on the top of the first page the phrase “Change No. (insert number) to” and indicate the date of the change and not the date of the original filing.

§ 25.16. Acquisition of control—statement filings.

(a) A person required to file a statement under section 1402 of the act (40 P. S. § 991.1402) shall furnish the required information on Form A located in Appendix A as prescribed by this chapter. If the information requirements in section 1403(c)(2) of the act and the criteria in section 1403(d)(2) of the act (40 P. S. §§ 991.1403(c)(2) and 991.1403(d)(2)), regarding the competitive impact of an acquisition in this Commonwealth, apply to a Form A filing, the person shall also furnish the required information on Form E located in Appendix A as prescribed by this chapter.

(b) A person filing a request under section 1402(g) of the act for an exemption from section 1402 of the act is not required to file a Form A as prescribed by this chapter but shall provide information deemed by the Commissioner as necessary to determine that an offer, request, invitation, agreement or acquisition does either of the following:

(1) Has not been made or entered into for the purpose and will not have the effect of changing or influencing the control of a domestic insurer.

(2) Otherwise is not comprehended within the purposes of section 1402 of the act.

(c) A person required to file a preacquisition notification under section 1403(b) of the act for an acquisition not subject to a Form A filing under section 1402 of the act shall file Form E as prescribed by this chapter.

(d) Under section 1403(c)(2) of the act the Department may require material and information in addition to the information required by Form E as reasonably necessary to determine whether the proposed acquisition, if consummated, would exceed the competitive standard of section 1403(d) of the act. The additional information required may include an opinion of an economist as to the competitive impact in this Commonwealth of an acquisition that would exceed the competitive standard of section 1403(d) of the act. The opinion shall be obtained by the person filing the form and shall be accompanied by a

summary of the economist’s education and experience indicating the economist’s ability to render an informed opinion.

(e) Under section 1402(d) of the act, a person shall file with the Department and send to the insurer an amendment disclosing a material change in the information furnished on Forms A and E within 2 business days after the person learns of the change. If the acquiring person is not an individual, a material change includes changes in directors, executive officers or owners of 10% or more of the voting securities of the acquiring person. In addition, the person shall file with the Department and send to the insurer within 5 business days an amendment disclosing a change other than a material change in the information furnished on Forms A and E arising after the date on which the form was filed but before a determination is made on the filing.

(f) If the person being acquired is deemed to be a “domestic insurer” under section 1402(a)(2)(i) of the act, the name of the domestic insurer on the first page of Forms A and E shall be indicated as follows: “ABC Insurance Company, a subsidiary of XYZ Holding Company.”

(g) If a person deemed to be a “domestic insurer” under section 1402(a)(2)(i) of the act is being acquired, references to “the insurer” in Forms A and E shall refer to both the domestic subsidiary insurer and the person being acquired.

§ 25.18. Summary of registration—statement filing.

An annual registration statement filed under section 1404 of the act (40 P. S. § 991.1404) shall include the information required on Form C located in Appendix A as prescribed by this chapter.

§ 25.20. Disclaimers and termination of registration.

(a) A disclaimer of affiliation under section 1404(k) of the act (40 P. S. § 991.1404(k)) or a request for termination of registration under section 1404(g) of the act claiming that a person does not, or will not upon the taking of some proposed action, control another person, referred to as the “subject,” within this subsection, must contain the following information:

(1) The number of authorized, issued and outstanding voting securities of the subject.

(2) With respect to the person whose control is denied and the affiliates of that person, the number and percentage of shares of the subject’s votes that shareholders would be entitled to cast in the election of directors which are held of record or known to be beneficially owned, and the number of the shares concerning which there is a right to acquire, directly or indirectly.

(3) The material relationships and bases for affiliation between the subject and the person whose control is denied and the affiliates of that person.

(4) A statement explaining why the person should not be considered to control the subject along with supporting information.

(b) A request for termination of registration shall be deemed to have been granted unless the Department, within 30 days after receipt of the request, notifies the registrant otherwise.

§ 25.21. Transactions subject to prior notice—notice filing.

(a) An insurer required to give notice of a proposed transaction under section 1405(a)(2) of the act (40 P. S.

§ 991.1405(a)(2)) shall furnish the required information on Form D located in Appendix A as prescribed by this chapter.

(b) The insurer shall file an amendment to Form B reporting changes in the information furnished on Form D, including a change in the effective date of the transaction, within 15 days after the end of a month in which the transaction is effectuated.

(c) An insurer may not enter into a proposed transaction if a material change occurs in the information furnished on Form D unless the insurer has filed an amended Form D with the Department at least 30 days prior to entering into the transaction, or a shorter period the Department may permit, and the Department has not disapproved the amended transaction within that time period.

(d) New or amended management agreements, service contracts, tax allocation agreements, guarantees and cost-sharing arrangements (including leases), involving a domestic insurer and a person in its insurance holding company system must:

(1) Be filed for prior approval under section 1405(a)(2)(v) of the act.

(2) At a minimum and as applicable:

(i) Identify the person providing services and the nature of the services.

(ii) Set forth the methods to allocate costs.

(iii) Require timely settlement, not less frequently than on a quarterly basis, and compliance with the NAIC Accounting Practices and Procedures Manual.

(iv) Prohibit advancement of funds by the insurer to the affiliate except to pay for services defined in the agreement.

(v) State that the insurer shall maintain oversight for functions provided to the insurer by the affiliate and that the insurer shall monitor services annually for quality assurance.

(vi) Define books and records of the insurer to include the books and records developed or maintained under or related to the agreement.

(vii) Specify that the books and records of the insurer are the exclusive property of the insurer, held for the benefit of the insurer and are subject to the control of the insurer.

(viii) Include standards for termination of the agreement with and without cause.

(ix) Include provisions for indemnification of the insurer in the event of gross negligence or willful misconduct on the part of the affiliated providing the services.

(x) Specify that, if the insurer is placed in receivership or seized by the Commissioner under Article V of The Insurance Department Act of 1921 (40 P.S. §§ 221.1—221.63):

(A) The rights of the insurer under the agreement extend to the receiver or Commissioner.

(B) The books and records shall immediately be made available to the receiver or Commissioner immediately upon the receiver or the Commissioner's request.

(xi) Specify that the affiliate does not have an automatic right to terminate the agreement if the insurer is placed in receivership under Article V of The Insurance Department Act of 1921.

(xii) Specify that the affiliate will continue to maintain systems, programs or other infrastructure notwithstanding a seizure by the Commissioner under Article V of The Insurance Department Act of 1921 and shall make them available to the receiver for as long as the affiliate continues to receive timely payment for services rendered.

(e) For purposes of subsection (d), "amended" does not include:

(1) The continuation of an agreement or contract with no specified term or that is automatically renewed if provisions are not altered.

(2) The addition of an affiliate if the filing evidencing the notification of the addition is made with a domiciliary regulator in another state.

§ 25.21a. Enterprise risk report.

The ultimate controlling person of an insurer required to file an enterprise risk report under section 1404(k.1) of the act (40 P.S. § 991.1404(k.1)) shall furnish the required information on Form F as set forth in Appendix A. If the Commissioner approves a merger or acquisition of control, a revised enterprise risk report shall be filed within 30 days after the end of the month in which the acquisition of control occurs unless otherwise ordered by the Commissioner.

§ 25.22. All dividends and other distributions.

(a) Under section 1404(e) of the act (40 P.S. § 991.1404(e)) a registered insurer is required to report to the Department all dividends and other distributions to shareholders within 5 business days following the declaration thereof and at least 10 days, commencing from the date of receipt by the Department, prior to payment thereof. The report shall include the information set forth in section 1404(e) of the act and subsection (c)(1)—(6) except that the information set forth in subsection (c)(6) is not required for dividends other than dividends reported under section 1405(b) of the act (40 P.S. § 991.1405(b)) and dividends and other distributions filed under section 337.8 of the act (40 P.S. § 459.8).

(b) Under section 337.8 of the act a domestic insurance company, association or exchange may pay dividends and other distributions to shareholders only out of unassigned funds as defined in section 337.8(e) of the act or upon approval of the Commissioner. Information filed with the Commissioner under section 337.8 of the act shall include the information set forth in subsection (c)(1)—(6).

(c) Requests for approval of extraordinary dividends or another extraordinary distribution to shareholders under section 1405(b) of the act shall include the following:

(1) The amount of the proposed dividend or other distribution.

(2) The date established for payment of the dividend or other distribution.

(3) A statement as to whether the dividend or other distribution is to be in cash or other property and, if in property, a description thereof, its cost and its fair market value together with an explanation of the basis for valuation.

(4) A copy of the calculations determining that the proposed dividend or other distribution is or is not extraordinary. The work paper shall include the following information with respect to the domestic insurer:

(i) The amounts, dates and form of payment of all dividends and other distributions made within the previous 12 consecutive months ending on the date fixed for

payment of the proposed dividend and commencing on the day after the same day of the same month in the last preceding year.

(ii) Surplus, total capital and surplus, as of the 31st day of December next preceding.

(iii) The net income for the 12-month period ending the 31st of December next preceding.

(5) A statement demonstrating the transaction's compliance with section 1405(d) of the act by describing the effect of the proposed dividend or other distribution upon the insurer's surplus and the reasonableness of surplus in relation to the insurer's outstanding liabilities and the adequacy of surplus relative to the insurer's financial needs.

(6) A balance sheet and statement of income for the period intervening from the last annual statement filed with the Commissioner and the end of the month preceding the month in which the request for dividend or other distribution approval is submitted.

(d) Reports of dividends and other distributions under this section shall include on the top of the first page the phrase: "Notice of Dividend or Other Distribution" and the name of the insurer.

(e) The insurer shall report changes in information furnished under subsection (c) within 15 days after the end of a month in which the dividend or other distribution is paid. If the dividend or other distribution is required to be reported on Form B located in Appendix A, the insurer shall report the changes as an amendment to Form B. If the dividend or other distribution is not subject to a Form B filing, the report of changes shall state on the top of the first page the phrase: "Change No. (insert number) to," and shall include the date of the change, date of declaration, amount paid, payment date, form of payment and the nature of and reason for the change.

(f) An insurer may not pay a dividend or other distribution under sections 337.8 or 1405(b) of the act if a material change occurs in the information reported under this section unless the insurer has filed an amended report with the Department at least 30 days prior to paying the dividend or other distribution, or a shorter period the Department may permit, and the Department has not disapproved the amended report within that time period.

APPENDIX A

FORM A

STATEMENT REGARDING THE ACQUISITION OF CONTROL OF OR MERGER WITH A DOMESTIC INSURER

(Name of Domestic Insurer)

BY: (Name of Acquiring Person (Applicant))

Filed with the Insurance Department of the Commonwealth of Pennsylvania

Dated:

Name, title, address and telephone number of individual to whom notices and correspondence concerning this form should be addressed:

Item 1. Insurer and Method of Acquisition

State the name, NAIC code number and address of the domestic insurer to which this application relates and a brief description of how control is to be acquired.

Item 2. Identity and Background of the Applicant

A. State the name and address of the applicant seeking to acquire control over the insurer.

B. If the applicant is not an individual, state the nature of its business operations for the past five (5) years or for such lesser period as the person and any predecessors thereof shall have been in existence. Briefly describe the business intended to be done by the applicant and the applicant's subsidiaries.

C. Furnish a chart or listing clearly presenting the identities and the interrelationships among the applicant and all affiliates of the applicant. Indicate in the chart or listing the percentage of voting securities of each person which is owned or controlled by the applicant or by any other person. If control of any person is maintained other than by the ownership or control of voting securities, indicate the basis of control. As to each person specified in the chart or listing indicate the type of organization (e.g. corporation, trust, partnership) and the state or other jurisdiction of domicile. If court proceedings involving a reorganization or liquidation are pending with respect to any such person, indicate which person, and set forth the title of the court, nature of proceedings and the date when commenced.

Item 3. Identity and Background of Individuals Associated with the Applicant

Furnish a third-party background check upon request and biographical affidavit for (1) the applicant if the applicant is an individual or (2) all persons who are directors, executive officers or owners of 10% or more of the voting securities of the applicant if the applicant is not an individual. Biographical affidavits filed with the Department within the immediately preceding 3 years need not be included if there has been no change in the information already on file.

Biographical affidavits shall be signed in the original and shall include the following:

A. Name and business address.

B. Present principal business activity, occupation or employment including position and office held and the name, principal business and address of any corporation or other organization in which employment is carried on.

C. Material occupations, positions, offices or employment during the last five (5) years, giving the starting and ending date of each and the name, principal business and address of any business corporation or other organization in which each occupation, position, office or employment was carried on. If any occupation, position, office or employment required licensing by or registration with any Federal, state or municipal governmental agency, indicate that fact, the current status of the licensing or registration, and an explanation of any surrender, revocation, suspension or disciplinary proceedings in connection therewith.

D. Whether or not the person has ever been convicted in a criminal proceeding (excluding minor traffic violations) during the last ten (10) years and, if so, give the date, nature of conviction, name and location of court, and penalty imposed or other disposition of the case.

The Department will accept copies of original, signed biographical affidavits filed with the chief insurance regulatory official of another jurisdiction if the following conditions are met:

(1) The identity of the chief insurance regulatory official holding the original affidavit and the date of the original filing are provided in this statement.

(2) The original affidavit was filed within the immediately preceding three years.

(3) There has been no change in the information required in the affidavit.

Item 4. Nature, Source and Amount of Consideration

A. Describe the nature, source and amount of funds or other considerations used or to be used in effecting the merger or other acquisition of control. If any part of the same is represented or is to be represented by funds or other consideration borrowed or otherwise obtained for the purpose of acquiring, holding or trading securities, furnish a description of the transaction, the names of the parties thereto, the relationship, if any, between the borrower, and the lender, the amounts borrowed or to be borrowed, and copies of all agreements, promissory notes and security arrangements relating thereto.

B. Explain the criteria used in determining the nature and amount of the consideration.

C. If the source of the consideration is a loan made in the lender's ordinary course of business and if the applicant wishes the identity of the lender to remain confidential, the applicant must specifically request that the identity be kept confidential.

Item 5. Future Plans of Insurer

Describe any plans or proposals which the applicant may have to declare an extraordinary dividend, to liquidate the insurer, to sell its assets to or merge it with any person or persons or to make any other material change in its business operations or corporate structure or management.

Item 6. Voting Securities to be Acquired

State the number of shares of the insurer's voting securities which the applicant, its affiliates and any person listed in Item 3 plan to acquire, and the terms of the offer, request, invitation, agreement or acquisition, and a statement as to the method by which the fairness of the proposal was arrived at.

Item 7. Ownership of Voting Securities

State the amount of each class of any voting security of the insurer which is beneficially owned or concerning which there is a right to acquire beneficial ownership by the applicant, its affiliates or any person listed in Item 3.

Item 8. Contracts, Arrangements, or Understandings with Respect to Voting Securities of the Insurer

Give a full description of any contracts, arrangements or understandings with respect to any voting security of the insurer in which the applicant, its affiliates or any person listed in Item 3 is involved, including, but not limited to, transfer of any of the securities, joint ventures, loan or option arrangements, puts or calls, guarantees of loans, guarantees against loss or guarantees of profits, division of losses or profits, or the giving or withholding of proxies. The description shall identify the person with whom such contracts, arrangements or understandings have been entered into.

Item 9. Recent Purchases of Voting Securities

Describe any purchases of any voting securities of the insurer by the applicant, its affiliates or any person listed in Item 3 during the twelve (12) calendar months preceding the filing of this statement.

Include in the description the dates of purchase, the name of the purchasers, and the consideration paid or agreed to be paid therefor.

State whether any shares so purchased are hypothecated.

Item 10. Recent Recommendations to Purchase

Describe any recommendations to purchase any voting security of the insurer made by the applicant, its affiliates or any person listed in Item 3, or by anyone based upon interviews or at the suggestion of the applicant, its affiliates or any person listed in Item 3 during the twelve (12) calendar months preceding the filing of this statement.

Item 11. Agreements with Broker-Dealers

Describe the terms of any agreement, contract or understanding made with any broker-dealer as to solicitation of voting securities of the insurer for tender and the amount of any fees, commissions or other compensation to be paid to broker-dealers with regard thereto.

Item 12. Financial Statements and Exhibits

A. Financial statements and exhibits, and three-year financial projection of the insurer(s) shall be attached to this statement as an appendix, but list under this item the financial statements and exhibits so attached.

B. The financial statements shall include the annual financial statements of the persons identified in Item 2(c) for the preceding five (5) fiscal years (or for such lesser period as the applicant and its affiliates and any predecessors thereof shall have been in existence), and similar information covering the period from the end of the person's last fiscal year, if that information is available. Statements may be prepared on either an individual basis, or, unless the Commissioner otherwise requires, on a consolidated basis if consolidated statements are prepared in the usual course of business.

The annual financial statements of the applicant shall be accompanied by the certificate of an independent public accountant to the effect that the statements present fairly the financial position of the applicant and the results of its operations for the year then ended, in conformity with generally accepted accounting principles or with requirements of insurance or other accounting principles or permitted under law. If the applicant is an insurer which is actively engaged in the business of insurance, the financial statements need not be certified, provided they are based on the Annual Statement of that person filed with the insurance department of the person's domiciliary state and are in accordance with the requirements of insurance or other accounting principles prescribed or permitted under the law and regulations of that state.

C. If the acquiring person is an individual, the Department may require the filing of Federal income tax returns in lieu of audited financial statements. Any returns filed shall be given confidential treatment and shall not be subject to subpoena and shall not be made public by the Department or any other person.

D. File as exhibits copies of all tender offers for, requests or invitations for, tenders of, exchange offers for, and agreements to acquire or exchange any voting securities of the insurer and (if distributed) of additional soliciting material relating thereto, any proposed employment, consultation, advisory or management contracts concerning the insurer, annual reports to the stockholders of the insurer and the applicant for the last two fiscal years, and any additional documents or papers required by this chapter.

Item 13. Agreement Requirements for Enterprise Risk Management

Applicant agrees to provide, to the best of its knowledge and belief, the information required by Form F within thirty (30) days after the end of the month in which the acquisition of control occurs and annually thereafter as long as control exists or upon request as necessary for the Commissioner to evaluate enterprise risk of the insurer unless otherwise ordered by the Commissioner.

Item 14. Signature and Certification

Signature and certification required as follows:

SIGNATURE

Pursuant to the requirements of Section 1402 of the act _____ has caused this application to be duly signed on its behalf in the City of _____ and State of _____ on the _____ day of _____, _____.

(SEAL)

Name of Applicant

BY (Name) (Title)

Attest:

(Signature of Officer)

(Title)

CERTIFICATION

The undersigned deposes and says that (s)he has duly executed the attached application dated _____, _____, for and on behalf of _____;

(Name of Applicant)

that (s)he is the _____ of such company

(Title of Officer)

and that (s)he is authorized to execute and file such instrument. Deponent further says that (s)he is familiar with such instrument and the contents thereof, and that the facts therein set forth are true to the best of his/her knowledge, information and belief.

(Signature)

(Type or print name beneath)

FORM B

INSURANCE HOLDING COMPANY SYSTEM ANNUAL REGISTRATION STATEMENT

Filed with the Insurance Department of the Commonwealth of Pennsylvania by (Name of Registrant) on behalf of the following insurance companies:

Name Address

NAIC Code Number State of Domicile

Date: _____, _____

Name, title, address and telephone number of individual to whom notices and correspondence concerning this statement should be addressed:

Item 1. Identity and Control of Registrant

Furnish the exact name of each insurer registering or being registered (hereinafter called "the Registrant"), the home office address and principal executive offices of each; the date on which each Registrant became part of the insurance holding company system; and the method(s) by which control of each Registrant was acquired and is maintained.

Item 2. Organizational Chart

Furnish a chart or listing clearly presenting the identities of and interrelationships among all affiliated persons within the insurance holding company system. The chart or listing should show the percentage of each class of voting securities of each affiliate which is owned, directly or indirectly, by another affiliate.

If control of any person within the system is maintained other than by the ownership or control of voting securities, indicate the basis of such control. As to each person specified in the chart or listing indicate the type of organization (e.g., corporation, trust, partnership) and the state or other jurisdiction of domicile.

Item 3. Ultimate Controlling Person

As to an ultimate controlling person in the insurance holding company system furnish the following information:

- A. Name.
- B. Home office address.
- C. Principal executive office address.
- D. The organizational structure of the person, i.e., corporation, partnership, individual, trust, etc.
- E. The principal business of the person.

F. The name and address of any person who holds or owns 10% or more of any class of voting security, the class of the security, the number of shares held of record or known to be beneficially owned, and the percentage of class so held or owned.

G. If court proceedings involving a reorganization or liquidation are pending, indicate the title and location of the court, the nature of proceedings and the date when commenced.

Item 4. Biographical Information

If the ultimate controlling person is a corporation, an organization, a limited liability company, or other legal entity, furnish the following information for the directors and executive officers of an ultimate controlling person in the form of biographical affidavits signed in the original: the individual's name and address, his or her principal occupation and all offices and positions held during the past five years, and any conviction of crimes other than minor traffic violations during the past five years. If the ultimate controlling person is an individual, furnish the following information in the form of a biographical affidavit signed in the original: the individual's name and address, his or her principal occupation and all offices and positions held during the past five years, and any conviction of crimes other than minor traffic violations. Biographical affidavits filed with the Department within the immediately preceding three years need not be included if there has been no change in the information already on file. The Department will accept copies of original, signed biographical affidavits filed with the chief insurance regulatory official of another jurisdiction if the following conditions are met:

- (1) The identity of the chief insurance regulatory official holding the original affidavit and the date of the original filing are provided in this statement.
- (2) The original affidavit was filed within the immediately preceding 3 years.
- (3) There has been no change in the information required in the affidavit.

Item 5. Transactions and Agreements

Briefly describe the following agreements in force, and transactions currently outstanding or which have occurred during the last calendar year, including extraordinary dividends and other material transactions reported under §§ 25.21 and 25.22 of this chapter, between the Registrant and its affiliates:

A. Loans, other investments, or purchases, sales or exchanges of securities of the affiliates by the Registrant or of the Registrant by its affiliates;

B. Purchases, sales or exchanges of assets;

C. Transactions not in the ordinary course of business, including contributions of assets to Registrant;

D. Guarantees or undertakings for the benefit of an affiliate which result in an actual contingent exposure of the Registrant's assets to liability, other than insurance contracts entered into in the ordinary course of the Registrant's business;

E. All management agreements, service contracts and all cost-sharing arrangements;

F. Reinsurance agreements;

G. Dividends and other distributions to shareholders;

H. Tax allocation agreements; and

I. Any pledge of the Registrant's stock and/or of the stock of any subsidiary or controlling affiliate, for a loan made to any member of the insurance holding company system.

Sales, purchases, exchanges, loans or extensions of credit, investments or guarantees involving one-half of 1% or less of the Registrant's admitted assets as of the 31st day of December next preceding shall not be deemed material and need not be disclosed.

The description shall be in a manner as to permit the proper evaluation thereof by the Commissioner, and shall include at least the following: the effective date, nature and purpose of the transaction, the nature and amounts of any payments or transfers of assets between the parties, the identity of all parties to the transaction, and relationship of the affiliated parties to the Registrant.

Item 6. Litigation or Administrative Proceedings

A brief description of any litigation or administrative proceedings of the following types, either then pending or concluded within the preceding fiscal year, to which an ultimate controlling person or any of its directors or executive officers was a party or of which the property of an ultimate controlling person or any of its directors or executive officers is or was the subject; give the names of the parties and the court or agency in which the litigation or proceeding is or was pending:

A. Criminal prosecutions or administrative proceedings by any government agency or authority which may be relevant to the trustworthiness of any party thereto; and

B. Proceedings which may have a material effect upon the solvency or capital structure of an ultimate controlling person including, but not necessarily limited to, bankruptcy, receivership or other corporate reorganizations.

Item 7. Statement Regarding Plan or Series of Transactions

The insurer shall furnish a statement that transactions entered into since the filing of the prior year's annual registration statement are not part of a plan or series of

like transactions, the purpose of which is to avoid statutory threshold amounts and the review that might otherwise occur.

Item 8. Financial Statements and Exhibits

A. Financial statements and exhibits should be attached to this statement as an appendix, but list under this item the financial statements and exhibits so attached.

B. If the ultimate controlling person is a corporation, an organization, a limited liability company, or other legal entity, the financial statements shall include the annual financial statements of any ultimate controlling person in the insurance holding company system as of the end of the person's latest fiscal year. Financial statements are required for an ultimate controlling person who is an individual as well as for a corporation or other type of business organization.

If a holding company system includes more than one ultimate controlling person, annual financial statements are required for each ultimate controlling person unless the Commissioner, in the Commissioner's discretion, finds that annual financial statements for one or more of the ultimate controlling persons are not necessary to carry out the act.

If at the time of the initial registration, the annual financial statements for the latest fiscal year are not available, annual statements for the previous fiscal year may be filed and similar financial information shall be filed for any subsequent period to the extent that information is available. Financial statements may be prepared on either an individual basis, or unless the Commissioner otherwise requires, on a consolidated basis if the consolidated statements are prepared in the usual course of business.

Other than with respect to the foregoing, such financial statement shall be filed in a standard form and format adopted by the NAIC unless an alternative form is accepted by the Commissioner. Documentation and financial statements filed with the Securities and Exchange Commission or audited GAAP financial statements shall be deemed to be an appropriate form and format.

Unless the Commissioner otherwise permits, the annual financial statements shall be accompanied by the certificate of an independent public accountant to the effect that the statements present fairly the financial position of an ultimate controlling person and the results of its operations for the year then ended, in conformity with generally accepted accounting principles or with requirements of insurance or other accounting principles prescribed or permitted under law. If an ultimate controlling person is an insurer which is actively engaged in the business of insurance, the annual financial statements need not be certified, provided they are based on the Annual Statement filed in the insurer's domiciliary jurisdiction and are in accordance with requirements of insurance or other accounting principles prescribed or permitted under the law and regulations of that jurisdiction. Any ultimate controlling person who is an individual may file personal financial statements that are reviewed rather than audited by an independent public accountant. The review shall be conducted in accordance with standards for review of personal financial statements published in the *Personal Financial Statements Guide* by the American Institute of Certified Public Accountants. Personal financial statements shall be accompanied by the independent public accountant's Standard Review Report stating that the accountant is not aware of any material

modifications that should be made to the financial statements in order for the statements to be in conformity with generally accepted accounting principles.

C. Exhibits shall include copies of the latest annual reports to shareholders of an ultimate controlling person and proxy material used by an ultimate controlling person; and any additional documents or papers required by this chapter.

Item 9. Form C Required

A Form C, Summary of Registration Statement, must be prepared and filed with this Form B.

Item 10. Corporate Governance and Internal Controls

The insurer shall furnish a statement that the insurer's board of directors oversees corporate governance and internal controls and that the insurer's officers or senior management have approved, implemented and will continue to maintain and monitor corporate governance and internal control procedures.

Item 11. Signature and Certification

SIGNATURE

Pursuant to the requirements of Section 1404 of the act, the Registrant has caused this annual registration statement to be duly signed on its behalf in the City of _____ and State of _____ on the _____ day of _____, _____.

(SEAL)

Name of Registrant

BY (Name) (Title)

Attest:

(Signature of Officer)

(Title)

CERTIFICATION

The undersigned deposes and says that (s)he has duly executed the attached annual registration statement dated _____, _____, for and on behalf of _____; that (s)he is the

(Name of Company)

_____ of such company and that (s)he is authorized to execute and file such instrument. Deponent further says that (s)he is familiar with such instrument and the contents thereof, and that the facts therein set forth are true to the best of his/her knowledge, information and belief.

(Signature)

(Type or print name beneath)

FORM D

PRIOR NOTICE OF A TRANSACTION

Filed with the Insurance Department of the Commonwealth of Pennsylvania by (Name of Registrant) on behalf of the following insurance companies:

Name Address

NAIC Code Number State of Domicile

Date: _____, _____

Name, title, address and telephone number of individual to whom notices and correspondence concerning this statement should be addressed:

Item 1. Identity of Parties to Transaction

Furnish the following information for each of the parties to the transaction:

A. Name.

B. Home office address.

C. Principal executive office address.

D. The organizational structure, i.e. corporation, partnership, individual, trust, etc.

E. A description of the nature of the parties' business operations.

F. Relationship, if any, of other parties to the transaction to the insurer filing the notice, including any ownership or debtor/creditor interest by any other parties to the transaction in the insurer seeking approval, or by the insurer filing the notice in the affiliated parties.

G. If the transaction is with a non-affiliate, the name(s) of the affiliate(s) which will receive, in whole or in substantial part, the proceeds of the transaction.

Item 2. Description of the Transaction

Furnish the following information for each transaction for which notice is being given:

A. A statement as to whether notice is being given under Section 1405(a)(2)(i), (ii), (iii), or (iv) or (v) of the act.

B. A description of the nature and purpose of the transaction, including the anticipated immediate and long-term effect of the transaction on the financial condition of the insurer.

C. A statement of how the transaction meets the fair and reasonable standard of section 1405(a)(1)(i) of the Act (40 P. S. § 991.1405(a)(1)(i)).

D. The proposed effective date of the transaction.

E. A copy of the management agreement, service contracts, tax allocation agreement, guarantee or cost-sharing arrangement.

Item 3. Sales, Purchases, Exchanges, Loans, Extensions of Credit, Guarantees, Investments, Pledges of Assets or Contributions to Surplus equal to or exceeding 3% of the insurer's admitted assets or 25% of surplus as regards policyholders reported pursuant to 40 P. S. § 991.1405(a)(2)(i).

Furnish a brief description of the amount and source of funds, securities, property or other consideration for the sale, purchase, exchange, loan, extension of credit, guarantee, investment, or pledge of assets, including assets to be received by the domestic insurer as a contribution to its surplus; whether any provision exists for purchase by the insurer filing notice, by any party to the transaction, or by any affiliate of the insurer filing notice; a description of the terms of any securities being received, if any; and a description of any other agreements relating to the transaction such as contracts or agreements for services, consulting agreements and the like. If the transaction involves other than cash, furnish a description of the consideration, its cost and its fair market value, together with an explanation and supporting documentation of the basis for valuation.

If the transaction involves a loan, extension of credit or a guarantee, furnish a description of the maximum amount which the insurer will be obligated to make available under the loan, extension of credit or guarantee, the date on which the credit or guarantee will terminate, and any provisions for the accrual of or deferral of interest.

If the transaction involves an investment, guarantee or other arrangement, state the time period during which the investment, guarantee or other arrangement will remain in effect, together with any provisions for extensions or renewals of the investments, guarantees or arrangements. Furnish a brief statement as to the effect of the transaction upon the insurer's surplus and the insurer's accounting treatment.

No notice need be given under this item if the maximum amount which can at any time be outstanding or for which the insurer can be legally obligated under the loan, extension of credit or guarantee is less than 3% of the insurer's admitted assets or 25% of its surplus as of the 31st day of December next preceding. Please see item 6 for the reporting of matters below these thresholds.

Item 4. Loans or Extensions of Credit to a Non-Affiliate

If the transaction involves a loan or extension of credit to any person who is not an affiliate, furnish a brief description of the agreement or understanding whereby the proceeds of the proposed transaction, in whole or in substantial part, are to be used to make loans or extensions of credit to, to purchase the assets of, or to make investments in, any affiliate of the insurer making the loans or extensions of credit, and specify in what manner the proceeds are to be used to loan to, extend credit to, purchase assets of or make investments in any affiliate. Describe the amount and source of funds, securities, property or other consideration for the loan or extension of credit and, if the transaction is one involving consideration other than cash, a description of its cost and its fair market value together with an explanation of and supporting documentation for the basis of valuation. Furnish a brief statement as to the effect of the transaction upon the insurer's surplus.

No notice need be given if the loan or extension of credit is one which equals less than 3% of the insurer's admitted assets or 25% of its surplus as of the 31st day of December next preceding.

Item 5. Reinsurance

If the transaction is a reinsurance agreement or modification thereto, as described by Section 1405(a)(2)(iii) of the act or a reinsurance pooling agreement or modification thereto as described by Section 1405(a)(2)(iii)(C) of the act, furnish a description of the known and/or estimated amount of liability to be ceded and/or assumed in each calendar year, the period of time during which the agreement will be in effect, and a statement whether an agreement or understanding exists between the insurer and non-affiliate to the effect that any portion of the assets constituting the consideration for the agreement will be transferred to one or more of the insurer's affiliates. Furnish a brief description of the consideration involved in the transaction, and a brief statement as to the effect of the transaction upon the insurer's surplus.

Notice shall be given for all reinsurance pooling agreements including modifications thereto.

No notice need be given for reinsurance agreements or modifications thereto if the reinsurance premium or the projected reinsurance premium or change in the insurer's liabilities in any of the next three years, in connection with the reinsurance agreement or modification thereto is less than 5% of the insurer's surplus as regards policyholders, as of the 31st day of December next preceding.

Item 6. Management Agreements, Service Contracts, Tax Allocation Agreements, Guarantees and Cost-Sharing Arrangements reported pursuant to 40 P.S. § 991.1405(a)(2)(v).

A. For management agreements and service contracts, furnish:

(1) A brief description of the managerial responsibilities, or services to be performed.

(2) A brief description of the agreement, including a statement of its duration, together with brief descriptions of the basis for compensation and the terms under which payment or compensation is to be made.

B. For cost-sharing arrangements, furnish:

(1) A brief description of the purpose of the agreement.

(2) A description of the period of time during which the agreement is to be in effect.

(3) A brief description of each party's expenses or costs covered by the agreement.

(4) A brief description of the accounting basis to be used in calculating each party's costs under the agreement.

(5) A brief statement as to the effect of the transaction upon the insurer's policyholder surplus.

(6) A statement regarding the cost allocation methods that specifies whether proposed charges are based on "cost or market." If market based, rationale for using market instead of cost, including justification for the company's determination that amounts are fair and reasonable.

(7) A statement regarding compliance with the NAIC Accounting Practices and Procedure Manual regarding expense allocation.

C. For tax allocation agreements and guarantees, furnish:

(1) A brief description of the purpose of the agreement.

(2) A description of the period of time during which the agreement is to be in effect.

(3) A brief statement as to the effect of the transaction upon the insurer's policyholder surplus.

(4) A statement regarding compliance with the NAIC Accounting Practices and Procedure Manual regarding expense allocation.

Item 7. Signature and Certification

Signature and certification required as follows:

SIGNATURE

Pursuant to the requirements of Section 1405 of the act, _____ has caused this notice to be duly signed on its behalf in the City of _____ and State of _____ on the _____ day of _____, _____.

(SEAL)

Name of Applicant

By (Name) (Title)

Attest:

(Signature of Officer)

(Title)

CERTIFICATION

The undersigned deposes and says that (s)he has duly executed the attached notice dated _____, _____, for and on behalf of _____; that (s)he is

(Name of Applicant)

the _____ of such company and that (s)he

(Title of Officer)

is authorized to execute and file such instrument. Depo- nent further says that (s)he is familiar with such instru- ment and the contents thereof, and that the facts therein set forth are true to the best of his/her knowledge, information and belief.

(Signature)

(Type or print name beneath)

FORM E

PRE-ACQUISITION NOTIFICATION STATEMENT OF THE POTENTIAL COMPETITIVE IMPACT OF A PROPOSED MERGER OR ACQUISITION

(Name of Insurer)

BY: (Name of Acquiring Persons)

Filed with the Insurance Department of the Common- wealth of Pennsylvania

Date:

Name, title, address and telephone number of person completing this statement:

Item 1. Name and Address

State the names and addresses of acquiring persons.

Item 2. Name and Addresses of Affiliated Persons

State the names and addresses of the persons affiliated with those listed in Item 1. Describe their affiliations.

Item 3. Nature and Purpose of Proposed Merger or Acquisition

State the nature and purpose of the proposed merger or acquisition.

Item 4. Nature of Business

State the nature of the business performed by each of the persons identified in response to Item 1 and Item 2.

Item 5. Market and Market Share

State specifically what market and market share the persons identified in Item 1 and Item 2 currently enjoy in this Commonwealth in each insurance market which, under section 1403(b)(2)(v) of the act (40 P. S. § 1403(b)(2)(v)), causes the proposed merger or acquisition not to be exempted from Article XIV of the act. Provide historical market and market share data for each person identified in Item 1 and Item 2 for the past 5 years, or for the number of years the person and any predecessors thereof have been transacting business if less than 5 years, and identify the source of the data. Provide a determination as to whether the proposed acquisition or merger, if consummated would violate the competitive standards as stated in Section 1403 of the Act (40 P. S. § 991.1403(d)(1)). If the proposed acquisition or merger would violate competitive standards, provide justification of why the acquisition or merger would not substantially lessen competition or create a monopoly in the Commonwealth.

For purposes of this item, market means direct written insurance premium in this Commonwealth for a line of business as contained in the annual statement required to be filed by insurers licensed to do business in this Commonwealth.

Item 6. Signature and Certification

Signature and certification required as follows:

SIGNATURE

Pursuant to the requirements of Section 1402 of the act _____ has caused this application to be duly signed on its behalf in the City of _____ and State of _____ on the _____ day of _____, _____.

(SEAL)

Name of Applicant

BY (Name) (Title)

Attest:

(Signature of Officer)

(Title)

CERTIFICATION

The undersigned deposes and says that (s)he has duly executed the attached application dated _____, _____, for and on behalf of _____; that (s)he is

(Name of Applicant)

the _____ of such company and that (s)he

(Title of Officer)

is authorized to execute and file such instrument. Depo- nent further says that (s)he is familiar with such instru- ment and the contents thereof, and that the facts therein set forth are true to the best of his/her knowledge, information and belief.

(Signature)

(Type or print name beneath)

FORM F

ENTERPRISE RISK REPORT

Filed with the Insurance Department of _____

By

Name of Registrant/Applicant

On Behalf of/Related to Following Insurance Companies

Name Address

Date: _____, 20 _____

Name, Title, Address and telephone number of Indi- vidual to Whom Notices and Correspondence Concerning This Statement Should Be Addressed:

Item 1. Enterprise Risk

The Registrant/Applicant, to the best of its knowledge and belief, shall provide information regarding the following areas that could produce enterprise risk as defined in section 1401 of the act (40 P. S. § 991.1401) provided such information is not disclosed in the Insurance Holding Company System Annual Registration Statement filed on behalf of itself or another insurer for which it is the ultimate controlling person:

A. Any material developments regarding strategy, internal audit findings, compliance or risk management affecting the insurance holding company system.

B. Acquisition or disposal of insurance entities and reallocating of existing financial or insurance entities within the insurance holding company system.

C. Any changes of shareholders of the insurance holding company system exceeding ten percent (10%) or more of voting securities.

D. Developments in various investigations, regulatory activities or litigation that may have a significant bearing or impact on the insurance holding company system.

E. Business plan of the insurance holding company system and summarized strategies for next 12 months.

F. Identification of material concerns of the insurance holding company system raised by a supervisory college, if any, in last year.

G. Identification of insurance holding company system capital resources and material distribution patterns.

H. Identification of any negative movement, or discussions with rating agencies which may have caused, or may cause, potential negative movement in the credit ratings and individual insurer financial strength ratings assessment of the insurance holding company system (including both the rating score and outlook).

I. Information on corporate or parental guarantees throughout the holding company and the expected source of liquidity should such guarantees be called upon.

J. Identification of any material activity or development of the insurance holding company system that, in the opinion of senior management, could adversely affect the insurance holding company system.

The Registrant/Applicant may attach the appropriate form most recently filed with the U.S. Securities and Exchange Commission, provided the Registrant/Applicant includes specific references to those areas listed in Item 1 for which the form provides responsive information. If the Registrant/Applicant is not domiciled in the U.S., it may attach its most recent public audited financial statement filed in its country of domicile, provided the Registrant/Applicant includes specific references to those areas listed in Item 1 for which the financial statement provides responsive information.

Item 2: Obligation to Report

If the Registrant/Applicant has not disclosed any information pursuant to Item 1, the Registrant/Applicant shall include a statement affirming that, to the best of its knowledge and belief, it has not identified enterprise risk subject to disclosure pursuant to Item 1.

Item 3: Signature and Certification

SIGNATURE AND CERTIFICATION

Signature and certification required as follows:

SIGNATURE

Pursuant to the requirements of Section 1404 of the act, the Registrant has caused this enterprise risk report to be duly signed on its behalf in the City of _____ and State of _____ on the _____ day of _____, ____ .

(SEAL)

Name of Registrant

By (Name) (Title)

Attest:

(Signature of Officer)

(Title)

CERTIFICATION

The undersigned deposes and says that (s)he has duly executed the attached enterprise risk report dated _____, _____, for and on behalf of (Name of Company); that (s)he is the (Title of Officer) of such company and that (s)he is authorized to execute and file such instrument. Deponent further says that (s)he is familiar with such instrument and the contents thereof, and that the facts therein set forth are true to the best of his/her knowledge, information and belief.

(Signature)

(Type or print name beneath)

[Pa.B. Doc. No. 14-1035. Filed for public inspection May 16, 2014, 9:00 a.m.]

Title 49—PROFESSIONAL AND VOCATIONAL STANDARDS

STATE BOARD OF SOCIAL WORKERS, MARRIAGE AND FAMILY THERAPISTS AND PROFESSIONAL COUNSELORS

[49 PA. CODE CH. 47]

Biennial Renewal Fees

The State Board of Social Workers, Marriage and Family Therapists and Professional Counselors (Board) amends § 47.4 (relating to licensure fees) to read as set forth in Annex A. The final-form rulemaking increases the biennial license renewal fees for licensed social workers, licensed clinical social workers, licensed marriage and family therapists, and licensed professional counselors from \$75 to \$95. Although the final-form rulemaking will be effective upon publication in the *Pennsylvania Bulletin*, it is expected that the increased fees will be implemented for the March 1, 2015, renewal.

Statutory Authority

Section 18(c) of the Social Workers, Marriage and Family Therapists and Professional Counselors Act (act) (63 P. S. § 1918(c)) requires the Board to increase fees by regulation to meet or exceed projected expenditures if the revenues raised by fees, fines and civil penalties are not sufficient to meet expenditures over a 2-year period.

Background and Need for Amendment

Under section 18(c) of the act, the Board is required by law to support its operations from the revenue it generates from fees, fines and civil penalties. In addition, the act provides that the Board shall increase fees if the revenue raised by fees, fines and civil penalties is not sufficient to meet expenditures over a 2-year period. The Board raises the majority of its revenue through biennial renewal fees. A small percentage of its revenue comes from application fees and civil penalties. At the February 2, 2012, Board meeting, representatives from the Department of State's (Department) Bureau of Finance and Operations (BFO) presented a summary of the Board's revenue and expenses for Fiscal Year (FY) 2009-2010 and FY 2010-2011, and projected revenue and expenses through FY 2014-2015.

At the time, the BFO projected that, without an increase to the biennial renewal fees, the Board would incur significant deficits throughout the foreseeable future. Therefore, the Board determined that it was necessary to raise fees to meet or exceed projected expenditures, in compliance with section 18(c) of the act. As a result, the Board voted at its March 13, 2012, meeting to increase the biennial renewal fees to \$115.

Summary of Comments

The Board published the proposed rulemaking at 43 Pa.B. 1281 (March 9, 2013) with a 30-day public comment period. During the public comment period, the Board received comments from the Pennsylvania Society for Clinical Social Work (PSCSW), the National Association of Social Workers—Pennsylvania Chapter (NASW-PA) and 16 individual licensed social workers/licensed clinical social workers. On April 24, 2013, the Board received comments from the House Professional Licensure Committee (HPLC). On May 8, 2013, the Independent Regulatory Review Commission (IRRC) submitted comments to the Board.

PSCSW submitted comments on behalf of its 720 members requesting that there not be a raise in the biennial renewal fee. PSCSW pointed out that with social services losing funding and Medicare and managed care companies lowering the rate of reimbursement, now is not the time to raise licensure fees. NASW-PA likewise suggested that higher licensure fees will dissuade scores of social workers from obtaining a license and discourage current licensees from renewing, thus negatively impacting the Board's revenue stream. NASW-PA encouraged the Board to consider pursuing legislative action similar to House Bill 2274 of the 2011-2012 session that would have provided professional licensure boards additional means of collecting fines, penalties and fees from licensees who violate the act, rules or regulations, rather than placing the entire burden on licensees. NASW-PA also asked for more information regarding the Board's expenses and an explanation of why the 2008 increase, which was projected to be sufficient through 2016, failed to meet expectations.

Each of the 16 individual licensees that commented asked the Board to consider no increase or a more modest increase in the biennial renewal fee. Nate Prentice, LCSW, pointed out that insurance reimbursement has been stagnant for years and social workers are struggling to make ends meet as the industry goes to "fee for service" with no benefits and no job security. He suggested that the Board's efforts are better directed at dealing with insurance regulation and reimbursements in this Commonwealth, noting that if social workers can get

a living wage, maybe they would be better able to afford a fee increase. Amy Waugh, LSW, stated that she values licensure and appreciates the need to generate revenue to fund regulation and control. She further suggested that implementing bachelor level licensure would generate more revenue for the Board. Finally, she asked what research the Board conducted to "inform the costs of renewal and best allocate the resources generated by such fees."

Kathryn De Frain, LSW, suggested that given the current economic situation, with increased costs for food, clothing and other essentials, many licensees who are not required to maintain licensure will reconsider renewing their licenses. She was joined in this sentiment by Adrienne Gallagher, LCSW, and Barbara Davis, LSW. Erica Hesselton, LSW, Marybeth Kennedy, LCSW, and others pointed out that more and more these increased costs of license renewal, as well as those associated with completion of continuing education credits, are paid by the licensees, not their employers. Sinnika Davis, LSW, agreed that the costs of completing 30 hours of continuing education are also rising and that social workers need a break. Kim Beamon, LCSW, also noted that social work salaries are traditionally low and it becomes cost prohibitive to maintain the license, pay for required continuing education, repay student loans and other costs associated with the profession. Elodie Witkowski, LCSW, noted that the increase is especially difficult for individuals with multiple licenses and certifications. Linda Sharp, LCSW, suggested that the amount of the proposed fee is "outrageous" when compared to the fees for other professions such as nurses and medical doctors, given the disparity in the pay. She also fears that the high cost of maintaining a license may dissuade organizations from requiring licensure as a condition of employment, especially in the area of children and youth services, which could result in a decrease in the quality of services rendered.

Amy Nothelfer, LSW, and Barbara Hemmendinger, LCSW, likewise opposed the proposed increase as a hardship. Nina Aniskevich, LSW, joined the other commentators and asked the Board to explore other options rather than raising these costs to licensees. Deborah Wiley, LCSW, asked why the fee is being raised and at a significant rate. Maryjane Lesnick Mertz, LCSW, suggested that the Board consider a smaller fee for social workers who see fewer clients.

The HPLC requested additional information pertaining to the major cost centers of the Board and explaining significant increases in its expenditures. IRRC shared the concerns of the commentators and the HPLC and asked for further explanation of why this increase is needed, the nature of increased expenditures and whether the Board considered lowering expenses.

Board Response

In response, the Board first notes that it has been well over a year since the BFO first met with the Board suggesting that a fee increase was necessary. Therefore, after considering all of the comments, the Board asked the BFO to provide an updated analysis of the Board's fiscal situation based on current data. The BFO provided updated information to the Board which was discussed at the Board's regularly scheduled meeting on June 11, 2013. Two changes in the Board's current financial condition were noted at that meeting. First, the number of active licensees has increased by nearly 1,000 since the proposed increase a year ago. Second, the Board has been able to reduce expenditures below the projections of a year ago so that the projected deficits have been reduced,

although not eliminated. For example, when the Board approved the increase in March 2012, the BFO projected a negative fund balance at the end of FY 2011-2012 of approximately \$209,350. However, the actual balance at the end of FY 2011-2012 came in at \$67,197.40. Although the situation still necessitates a fee increase, the situation is not as bleak as it appeared a year ago.

As previously noted, NASW-PA encouraged the Board to consider pursuing legislative action similar to House Bill 2274 of the 2011-2012 session that would have provided professional licensure boards additional means of collecting fines, penalties and fees from licensees who violate the act, rules or regulations, rather than placing the entire burden on licensees. In response, the Board notes that although House Bill 2274 did not pass last session, House Bill 261 of the 2013-2014 session, which would provide similar authority, is expected to pass. However, the Board notes that the amount of revenue produced through civil penalties fluctuates dramatically and in recent years represents only about 3% of total revenue. Civil penalties are not intended to generate revenue, rather they are imposed as a deterrent. At this point in time, the Board has a total of \$73,700 in unpaid civil penalties, which is approximately 5% of current biennial expenditures. Even if the Board were to collect all unpaid civil penalties, it would not eliminate the deficit between revenue and expenditures, nor would it be a solution on an on-going basis.

With regard to the 2008 increase falling short of expectations, the Board notes that at the time it was proposed in 2007, the BFO anticipated that the \$30 increase would enable the Board to meet its estimated expenditures for at least 9 years. See 37 Pa.B. 5264 (September 29, 2007). However, expenditures have increased considerably above what was projected at that time. For example, in 2007 projected biennial expenditures for the 2009-2011 biennium were expected to be \$1.226 million. Actual expenditures for that period came in at \$1,421,643.08. In 2007, projected expenditures for the 2011-2013 biennium were estimated at \$1.339 million. Actual expenditures for the current biennium are now expected to total at least \$1,431,326.85. Because the increased fee was set at a level capable of producing approximately \$1.3 million in biennial revenue, the deficit situation has not been entirely resolved with the prior increase and the act requires the Board to increase its fees so that biennial revenue is capable of covering projected expenditures over a 2-year period. Thus, the Board is faced with the difficult decision to increase fees again at this time beginning in 2015.

NASW-PA, the HPLC and IRRC asked for more information regarding what is driving the increase in expenditures. The major expense categories where increases have occurred in recent years are Board administration, legal office, hearing expenses, enforcement and investigation, professional compliance and professional health monitoring. Specifically, the Board's administrative costs tend to fluctuate depending on whether a given year is a "renewal year." During renewal years, additional staff is required to process license renewals for the over 17,000 licensees. To accurately assess the costs relating to Board administration, it is necessary to look at expenditures on a biennial basis (consisting of a renewal year, followed by a nonrenewal year). Board administrative costs for FYs 2006-2007 and 2007-2008 totaled \$481,610.30. For FYs 2008-2009 and 2009-2010, administrative costs were \$532,456.32, a 10.5% increase over the prior biennium. For FYs 2010-2011 and 2011-2012, administrative costs were \$545,979.26, an increase of 2.5% over the prior

biennium. This information indicates that administrative costs are still rising, but at a lower rate.

Legal office costs include the costs of the Board's legal counsel, as well as the cost of prosecuting, adjudicating and defending disciplinary matters before the Board. Legal office costs increased from \$152,697.29 in FY 2006-2007 to a high of \$212,646.07 in FY 2009-2010, and have since moderated to \$166,461.88 in FY 2011-2012. At the time of the last fee increase, legal office costs doubled in only 5 years (from \$75,326.65 in FY 2002-2003 to \$152,697.29 in FY 2006-2007). These costs fluctuate dramatically and are difficult to estimate because they are related to the number of complaints filed and the number of those complaints that merit prosecution. Hearing expenses are also dependent upon the number of prosecutions. Although these costs had moderated in recent years (averaging about \$7,000 a year), during the first 9 months of FY 2012-2013, the Board incurred about \$15,286.75 in hearing expenses, twice the average annual expenditures. Enforcement and investigation has also seen a dramatic increase in expenses from \$79,297.80 in FY 2006-2007 to \$156,257.15 in FY 2011-2012. Likewise, the professional compliance office expenses have nearly tripled over the same period from \$12,932.89 in FY 2006-2007 to \$37,579.45 in FY 2011-2012.

The costs associated with enforcement and investigation, professional compliance office, legal office and hearings are dependent upon the number of complaints filed, the number of those complaints that merit investigation and the number of investigations that result in prosecutions. It also depends greatly on the number of matters that are resolved through consent agreements and those that require hearings to be conducted. The presence of the Board and the Department on the Internet has resulted in increased public awareness of the complaint process and has made it easier to file a complaint against a licensee. Each complaint is reviewed or investigated to determine if a violation of the act or regulations has occurred. The legal office must then prosecute those matters where a violation is alleged. The Board incurs hearing expenses for each matter actually prosecuted, and the Board incurs additional legal costs defending any appeals. In FY 2009-2010, the Board imposed a total of 20 sanctions in disciplinary proceedings. In FY 2010-2011, the total number of sanctions imposed was 47. Ultimately, the number of complaints and disciplinary actions drive the bulk of the Board's costs, and the Board does not have control over the number of complaints filed against its licensees or the number of disciplinary actions brought by the Commonwealth. The Board has held the line on costs that it can control, such as Board member expenses and administrative costs.

It was suggested that licensees could withstand a fee increase if they were able to earn a living wage and that the Board's efforts should be directed at insurance regulation and reimbursements in this Commonwealth. Unfortunately, the Board's statutory authority does not extend to insurance or rates of reimbursement for social services. It was also suggested that "bachelor level licensing" would produce additional revenue for the Board. The Board is aware that NASW-PA has been pursuing legislation that would include licensing individuals at the bachelor's degree level, which would significantly increase the licensee population of the Board, thus producing additional revenue. The Board is also aware, through its experience since the addition of licensed clinical social workers, marriage and family therapists, and professional counselors, that additional licensees also lead to increasing expenses. The Board is monitoring Senate Bill 807 of the

2013-2014 session which would license bachelor level social workers because it would impact the Board's budget. At this time, it does not appear to be a solution that would solve the current deficit situation.

NASW-PA and other commentators suggested that a dramatic increase in the biennial renewal fee could cause many licensees who are not required to maintain licensure to let their licenses lapse without renewing, thus causing a loss of revenue to the Board. It is for that reason that the Board has tried to balance a more modest fee increase with ongoing efforts to hold the line on expenses. It was also suggested that the biennial renewal fee is out of line with other professional licensure fees. The Board surveyed the renewal fees for social workers, marriage and family therapists, and professional counselors from surrounding states and found fees ranging from \$60 to \$225. Comparing licensure fees across the professions, especially in relation to the relative salaries of those professions, is not instructive because the Board is not tasked with setting fees in relation to other professions, but rather is required by law to set its fees at a level necessary to cover its projected expenses in regulating licensed social workers, clinical social workers, marriage and family therapists, and professional counselors.

As a result of the updated financial information, and in response to the comments from the commentators, the Board determined that, although an increase is still necessary to comply with the act, a more modest \$20 increase is in order at this time. Therefore, the final-form rulemaking has been amended to increase the fee from \$75 to \$95. This fee is capable of producing sufficient biennial revenue to cover projected biennial expenses, eliminate the deficit and place the Board back on firm financial ground.

Description of the Final-Form Rulemaking

The final form rulemaking amends § 47.4 to increase the biennial renewal fee for all classes of license (licensed social workers, licensed clinical social workers, licensed marriage and family therapists, and licensed professional counselors) from \$75 to \$95.

Fiscal Impact

The final-form rulemaking will increase the biennial renewal fees for licensees of the Board. There are currently approximately 17,680 licensees that will be required to pay more to renew their licenses when they expire in 2015 and thereafter. Small businesses that employ licensees of the Board may be impacted if they choose to pay the biennial renewal fees on behalf of employees. The final-form rulemaking should not have other fiscal impact on the private sector, the general public or political subdivisions of this Commonwealth.

Paperwork Requirements

The final-form rulemaking will require the Board to alter some of its forms to reflect the new fees. However, the final-form rulemaking will not create additional paperwork for the regulated community or for the private sector.

Sunset Date

The act requires the Board to monitor its revenue and costs on a fiscal year and biennial basis. Therefore, a sunset date has not been assigned.

Regulatory Review

Under section 5(a) of the Regulatory Review Act (71 P. S. § 745.5(a)), on February 21, 2013, the Board submitted a copy of the notice of proposed rulemaking, published

at 43 Pa.B. 1281, to IRRC and the Chairpersons of the HPLC and the Senate Consumer Protection and Professional Licensure Committee (SCP/PLC) for review and comment.

Under section 5(c) of the Regulatory Review Act, IRRC, the HPLC and the SCP/PLC were provided with copies of the comments received during the public comment period, as well as other documents when requested. In preparing the final-form rulemaking, the Board has considered all comments from IRRC, the HPLC, the SCP/PLC and the public.

Under section 5.1(j.2) of the Regulatory Review Act (71 P. S. § 745.5a(j.2)), on April 9, 2014, the final-form rulemaking was deemed approved by the HPLC and the SCP/PLC. Under section 5.1(e) of the Regulatory Review Act, IRRC met on April 10, 2014, and approved the final-form rulemaking.

Contact Person

Further information may be obtained by contacting Megan Castor, Counsel, State Board of Social Workers, Marriage and Family Therapists and Professional Counselors, P.O. Box 2649, Harrisburg, PA 17105-2649.

Findings

The Board finds that:

(1) Public notice of proposed rulemaking was given under sections 201 and 202 of the act of July 31, 1968 (P. L. 769, No. 240) (45 P. S. §§ 1201 and 1202) and the regulations promulgated thereunder, 1 Pa. Code §§ 7.1 and 7.2.

(2) A public comment period was provided as required by law and the comments were considered.

(3) The amendment to the final-form rulemaking does not enlarge the purpose of the proposed rulemaking published at 43 Pa.B. 1281.

(4) This final-form rulemaking is necessary and appropriate for administering and enforcing the authorizing act identified in this preamble.

Order

The Board, acting under the authorizing statute, orders that:

(a) The regulations of the Board, 49 Pa. Code Chapter 47, are amended by amending § 47.4 to read as set forth in Annex A.

(b) The Board shall submit this order and Annex A to the Office of General Counsel and the Office of Attorney General as required by law.

(c) The Board shall certify this order and Annex A and deposit them with the Legislative Reference Bureau as required by law.

(d) This order shall take effect upon publication in the *Pennsylvania Bulletin*.

LAURA L. HINDS, MSW, LSW,
Chairperson

(Editor's Note: For the text of the order of the Independent Regulatory Review Commission relating to this document, see 44 Pa.B. 2592 (April 26, 2014).)

Fiscal Note: Fiscal Note 16A-6920 remains valid for the final adoption of the subject regulation.

Annex A

TITLE 49. PROFESSIONAL AND VOCATIONAL STANDARDS

PART I. DEPARTMENT OF STATE

Subpart A. PROFESSIONAL AND OCCUPATIONAL AFFAIRS

CHAPTER 47. STATE BOARD OF SOCIAL WORKERS, MARRIAGE AND FAMILY THERAPISTS AND PROFESSIONAL COUNSELORS

GENERAL PROVISIONS

§ 47.4. Licensure fees.

(a) The fee schedule for licensure as a licensed social worker, provisional license, licensed clinical social worker, licensed marriage and family therapist or licensed professional counselor shall be as follows:

(1) Application fee for licensure and original license issuance as a licensed social worker. \$25

(2) Biennial renewal for a licensed social worker, clinical social worker, marriage and family therapist or professional counselor \$95

(3) Application fee for provisional license and provisional license issuance. \$25

(4) Verification of licensure. \$15

(5) Certification of license, scores or hours \$25

(6) Application fee for licensure and original license issuance as a clinical social worker, marriage and family therapist or professional counselor \$45

(b) Applicants who were issued licenses prior to June 24, 1989, and who have not paid the appropriate fee in subsection (a) are required to remit the fee within 30 days of receipt of notice from the Board to maintain active licensure status. Failure to remit the required fee within that time will result in the license being placed on inactive status. A licensee holding oneself out as a "licensed social worker" while the license is on an inactive status may be subject to disciplinary proceedings before the Board.

[Pa.B. Doc. No. 14-1036. Filed for public inspection May 16, 2014, 9:00 a.m.]

PROPOSED RULEMAKING

PENNSYLVANIA PUBLIC UTILITY COMMISSION

[52 PA. CODE CH. 5]

[L-2014-2406251]

Electronic Access to Pre-Served Testimony

The Pennsylvania Public Utility Commission (Commission), on March 20, 2014, adopted a proposed rulemaking order proposing regulations regarding procedures to be followed for the electronic submission of testimony.

Executive Summary

On November 8, 2012, the Commission issued a Secretarial Letter proposing that parties serving pre-served testimony be required to either electronically file (eFile) with or provide to the Secretary's Bureau a compact disc (CD) containing all testimony furnished to the court reporter during an adjudicatory proceeding. On January 10, 2013, the Commission issued an Implementation Order regarding Electronic Access to Pre-Served Testimony at Docket No. M-2012-2331973 which specifically provided that parties serving pre-served testimony in proceedings pending before the Commission pursuant to 52 Pa. Code § 5.412(f) shall be required, within thirty days after the final hearing in an adjudicatory proceeding, to either eFile with or provide to the Secretary's Bureau a CD containing all testimony furnished to the court reporter during the proceeding. The requirement to electronically submit pre-served testimony was implemented for a one-year pilot period beginning January 10, 2013 and ending January 10, 2014.

On December 23, 2013, the Commission issued a Secretarial Letter extending the initial one-year pilot period for the electronic submission of pre-served testimony for an additional year, ending January 10, 2015. Having become satisfied with our procedures regarding the electronic submission of pre-served testimony, the Commission initiates this rulemaking to propose regulations regarding the procedures to be followed for the electronic submission of testimony. Implementing these proposed regulations will allow Commission staff, as well as parties of record in an adjudicatory proceeding, to have electronic access to parties' pre-served testimony through the Commission's case and document management system.

Public Meeting held
March 20, 2014

Commissioners Present: Robert F. Powelson, Chairperson; John F. Coleman, Jr., Vice Chairperson; James H. Cawley; Pamela A. Witmer; Gladys M. Brown

Electronic Access to Pre-Served Testimony;
Doc. No. L-2014-2406251

Proposed Rulemaking Order

By the Commission:

The Pennsylvania Public Utility Commission (Commission) proposes to implement new regulations to require parties serving pre-served testimony to, within thirty days after the final hearing in an adjudicatory proceeding, either electronically file (eFile) with or provide to the Commission's Secretary's Bureau a compact disc (CD) or other technology as prescribed by the Commission con-

taining all testimony furnished to the court reporter during the proceeding. Implementing these proposed regulations will allow Commission staff, as well as parties of record in an adjudicatory proceeding, to have electronic access to parties' public pre-served testimony through the Commission's case and document management system. The proposed regulations contained in Annex A will set forth the specific procedures to be followed for the electronic submission of pre-served testimony.

Background

The Commission's regulations prescribe the method by which pre-served testimony is to be handled during an adjudicatory proceeding as follows:

§ 5.412. Written Testimony.

(f) *Service.* Written testimony shall be served upon the presiding officer and parties in the proceeding in accordance with the schedule established by this chapter. At the same time the testimony is served, a certificate of service for the testimony shall be filed with the Secretary.

52 Pa. Code § 5.412(f). Pursuant to this regulation, pre-served testimony is served on the parties and the presiding officer involved in an adjudicatory proceeding, but is not filed with the Commission at the time of service. *Id.* At the time of service, parties merely file a certificate of service for the pre-served testimony with the Secretary's Bureau. *Id.* The Commission then receives only paper copies of admitted testimony from the court reporter following the close of the record in adjudicatory proceedings. Due to the voluminous nature of the testimony provided to the Commission and the fact that it is usually bound or stapled, the Commission is unable to efficiently scan testimony documents into the Commission's database.

On November 8, 2012, the Commission issued a Secretarial Letter (November 8th Secretarial Letter) proposing that parties serving pre-served testimony in proceedings pending before the Commission pursuant to 52 Pa. Code § 5.412(f) be required, within five (5) days after the final hearing in an adjudicatory proceeding, to either eFile with or provide to the Secretary's Bureau a CD containing all testimony furnished to the court reporter during the proceeding. The November 8th Secretarial Letter also proposed that parties would not be required to serve other parties in the proceeding with electronically submitted testimony again when it is eFiled or a CD is provided to the Secretary's Bureau because the parties would have already previously received a copy of such testimony during the initial filing made pursuant to 52 Pa. Code § 5.412(f). The November 8th Secretarial Letter specifically noted that this proposed practice would provide Commission staff with electronic access to parties' testimony through the Commission's case and document management system.

The November 8th Secretarial Letter also solicited comments from interested parties and stakeholders. Comments to the November 8th Secretarial Letter were filed by the Pennsylvania Department of Transportation; the Office of Consumer Advocate; PECO Energy Company; Eckert Seamans Cherin & Mellott, LLC; and, jointly, Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company.

On January 10, 2013, the Commission issued an Implementation Order regarding Electronic Access to Pre-

Served Testimony at Docket No. M-2012-2331973 (January 10th Implementation Order) which addressed the comments provided in response to the November 8th Secretarial Letter. The January 10th Implementation Order provided that parties serving pre-served testimony in proceedings pending before the Commission pursuant to 52 Pa. Code § 5.412(f) shall be required, within thirty days after the final hearing in an adjudicatory proceeding (unless such period is otherwise modified by the presiding officer), to either eFile with or provide to the Secretary's Bureau a CD containing all testimony furnished to the court reporter during the proceeding. This requirement to electronically submit pre-served testimony was implemented for a one-year pilot period beginning January 10, 2013 and ending January 10, 2014.

On December 23, 2013, the Commission issued a Secretarial Letter extending the initial one-year pilot period for the electronic submission of pre-served testimony for an additional year, ending January 10, 2015. In that Secretarial Letter, the Commission provided that if the electronic submission of pre-served testimony continues to function well, the Commission will initiate a proposed rulemaking to propose regulations regarding the procedures to be followed for such electronic submission of testimony. Having become satisfied with our procedures regarding the electronic submission of pre-served testimony, the Commission initiates this rulemaking.

Discussion

Consistent with the January 10th Implementation Order, the Commission proposes that parties serving pre-served testimony in proceedings pending before the Commission pursuant to 52 Pa. Code § 5.412(f) be required, within thirty days after the final hearing in an adjudicatory proceeding (unless such period is otherwise modified by the presiding officer), to either eFile with or provide to the Commission's Secretary's Bureau a CD containing all testimony furnished to the court reporter during the proceeding. By this rulemaking, the Commission proposes to implement new regulations to outline the details of such electronic submission requirement for pre-served testimony as follows:

1. Submission of Testimony Modified During an Adjudicatory Proceeding

The purpose of the electronic submission of testimony is to provide Commission staff and parties of record with electronic versions of the testimony that the Commission currently only receives in paper form from the court reporter after the final hearing in an adjudicatory proceeding. With that purpose in mind, the testimony electronically submitted to the Commission should be an exact copy of the testimony that was submitted to the court reporter during the hearing(s) in an adjudicatory proceeding.

The Commission is aware that the presiding officers maintain different practices regarding the submission of testimony containing words and/or provisions that have been modified or stricken at hearing. As such, the testimony required to be electronically submitted to the Commission should match exactly the copy of the testimony that the presiding officer has required to be submitted to the court reporter during the hearing. For example, if a presiding officer requires parties to make hand-marked modifications to testimony to reflect that which was stricken during the hearing before submitting such testimony to the court reporter, the parties should electronically submit to the Commission a copy of the

testimony reflecting such modifications.¹ Similarly, if a presiding officer does not require parties to make modifications to testimony even though portions of the testimony are stricken during the hearing before submitting the testimony to the court reporter, the parties should electronically submit to the Commission a clean copy of the testimony.² Testimony that is not admitted during the hearing should not be electronically submitted to the Commission.

In addition to the testimony that is electronically submitted to the Commission either by eFiling or by the submission of a CD, the Commission proposes to continue to require parties to submit two paper copies of testimony to the court reporter at hearing. Parties will not, however, be required to serve other parties in the proceeding with the electronically submitted testimony again when it is eFiled or a CD is provided to the Secretary's Bureau because parties in the proceeding would have already previously received a copy of such testimony during the initial filing made pursuant to 52 Pa. Code § 5.412(f). Also, we note that parties of record will be able to view the electronic submissions.³

Additionally, parties are not required to file or provide the relevant transcript pages that correspond with the corrections, if any, made to the electronically submitted testimony. Similarly, parties are not required to file or provide an "errata sheet" showing any corrections, if any, that have been made to the testimony during the hearing. We note that parties may, however, file with the Commission and/or provide such transcript pages and/or errata sheets to other parties in the proceeding on a voluntary basis.

2. Form of Testimony Documents for Electronic Submission

The requirement for electronic submission, either by eFiling or the submission of a CD or other technology as prescribed by the Commission, is limited to pre-served testimony documents.⁴ Any and all exhibits that are physically attached to pre-served testimony documents may be electronically submitted to the Commission on a voluntary basis. Exhibits not electronically submitted to the Commission with the pre-served testimony document(s) must be submitted to the court reporter during the hearing in physical/paper form.

Pre-served testimony must be electronically submitted, either by eFiling or submitting a CD to the Secretary's Bureau, in Portable Document Format (PDF). Currently, documents may only be filed on the Commission's eFiling system in PDF format.⁵ The Commission will similarly require all testimony electronically submitted on CD to the Secretary's Bureau to be in PDF format.⁶

Consistent with the Commission's current eFiling procedures, parties must upload one eFiled document at a

¹ Prior to electronic submission of testimony documents, we request that parties revise testimony to reflect that which was stricken at hearing by either making hand-marked strikethroughs or electronic strikethroughs on the testimony. Parties should not, however, completely electronically delete testimony that has been stricken at hearing. This practice will allow the stricken text of the electronically submitted testimony documents to remain on the same page as it appears on the testimony documents submitted to the court reporter.

² Commission staff is aware of the need to consult the transcript for purposes of determining which testimony has been admitted into the official record.

³ Although parties of record will be able to view electronic submissions of public testimony, parties will not have electronic access to confidential or proprietary testimony.

⁴ The electronic submission requirement does not apply to discovery requests or responses. Additionally, the electronic submission requirement does not apply to "pre-filed" testimony (for example: direct testimony filed pursuant to 52 Pa. Code § 53.53(c) (relating to initial direct testimony filed by a utility as part of a rate case)).

⁵ The Commission has created a qualified document labeled "testimony" for the purpose of eFiling pre-served testimony.

⁶ We note that all PDF documents can be converted electronically to become searchable documents.

time. As such, each piece of pre-served testimony should be separately eFiled on the Commission's website. In contrast, parties electronically submitting pre-served testimony on a CD to the Secretary's Bureau may load all testimony documents onto one CD (pending file size limitations).⁷ For consistency, all pre-served testimony, whether eFiled or submitted by CD, should be labeled as follows: "___ St. No. ___ Direct Testimony of _____," "___ St. No. ___-R Rebuttal Testimony of _____" and/or "___ St. No. ___-SR Surrebuttal Testimony of _____" (if permitted to be filed).

3. *Time of Electronic Submission*

Parties serving pre-served testimony shall either eFile with or provide to the Secretary's Bureau a CD containing all testimony furnished to the court reporter within thirty days after the final hearing in an adjudicatory proceeding, unless such time period is otherwise modified by the presiding officer. Allowing thirty days after the final hearing to electronically submit pre-served testimony to the Commission alleviates any concern that transcripts of the proceeding may not necessarily be available immediately following a final hearing. Additionally, requiring parties to electronically submit their testimony within thirty days after the final hearing provides parties sufficient time to consult the transcript and accordingly make any necessary modifications to testimony, if required by the presiding officer, before electronically submitting such testimony to the Commission.⁸ This thirty-day electronic submission deadline also does not impact the Commission's internal need for electronic access to this testimony by advisory staff.

Further, the Commission proposes that the electronic submission time period may be modified by the presiding officer. This modification procedure will allow presiding officers to appropriately accommodate for situations which would require a modified time period for obtaining electronic access to testimony (including but not limited to access to testimony during expedited proceedings).

4. *Electronic Submission of Confidential or Proprietary Testimony*

The Commission recognizes the need to limit electronic access to confidential and proprietary testimony to the appropriate internal advisory staff within the Commission. As the Commission does not currently have the capability to limit internal access to eFiled documents, the Commission will require parties to submit confidential or proprietary testimony on a separate CD or other technology prescribed by the Commission to the Secretary's Bureau. Such CD should be clearly labeled "CONFIDENTIAL" or "PROPRIETARY."

As previously mentioned, the purpose of the electronic submission is to provide Commission staff and parties of record with electronic versions of the public testimony documents that the Commission currently receives in paper form from the court reporter after the final hearing in an adjudicatory proceeding. Accordingly, whatever measures are currently being taken by parties prior to

⁷ Due to file size restrictions, parties may be required to submit multiple CD's containing testimony documents. Additionally, pursuant to 52 Pa. Code § 1.32(b)(3) and the Commission's Secretarial Letter regarding the Size of Qualified Documents and Paper Copy Requirements issued on August 16, 2012, testimony documents exceeding 10 megabytes in size may not be eFiled and must be electronically submitted to the Commission on a CD.

⁸ This practice contemplates a situation in which the presiding officer requires a party to make hand-marked changes to testimony prior to submitting such testimony to the court reporter. In the event the party does not have an additional copy of such testimony, to be used for electronic submission purposes, on which to make hand-marked changes, the party will need to consult the transcript to make hand-marked changes to testimony (matching those changes made at hearing) prior to electronic submission.

submitting confidential testimony to the court reporter should be followed when electronically submitting testimony.

5. *Confirmation and Verification that Proper Testimony Documents have been Electronically Submitted*

As parties of record will have electronic access to publicly available pre-served testimony through the Commission's case and document management system,⁹ parties will have the capability to review the testimony electronically submitted by other parties in the proceeding to ensure that it is consistent with what was admitted into the official record.¹⁰ If a party discovers that another party has electronically submitted improper testimony documents to the Commission, that party may raise such concern with the presiding officer in the proceeding.¹¹ In addition to being able to review testimony that has been electronically submitted, parties of record are also able to receive daily action alerts and to review daily action records on the Commission's database to ensure that other parties in the proceeding have electronically submitted testimony within the required time period.¹²

In addition to confirmation and notification considerations, the Commission considered whether parties should be required to submit a verification with their electronically submitted testimony to ensure that such testimony is consistent with the testimony admitted into the official record. Because all parties of record in the proceeding will have electronic access to verify that electronically submitted testimony from other parties is consistent with that admitted into the record, we do not anticipate there will be any issues with parties submitting improper testimony documents. Accordingly, parties will not be required to submit a verification with electronically submitted testimony.

6. *Access to Electronically Submitted Testimony*

The Commission proposes that both Commission staff and all parties of record in an adjudicatory proceeding will have electronic access to public versions of pre-served testimony. The Commission's advisory staff is aware of the need to consult the transcript for purposes of determining which testimony has been admitted into the official record. Similarly, the Commission is confident that parties of record in an adjudicatory proceeding are equally aware of the need for such consultation.¹³ Therefore, the Commission does not anticipate any issues resulting from providing Commission staff or parties of record with electronic access to testimony.

As previously mentioned, any party desiring to electronically view testimony that has been electronically submitted to the Commission must obtain an eFiling account. If a party is incapable of obtaining an eFiling account with the Commission, that party would need to consult with the other parties in the proceeding to make arrangements for obtaining electronic access, whether by CD or other electronic transmission, to electronically submitted testimony.¹⁴

⁹ Parties of record wishing to view electronically submitted testimony will need to have an eFiling account with the Commission.

¹⁰ We note that under the current practice of only submitting paper copies of testimony to the court reporter at the hearing, parties do not have the opportunity to ensure that such paper copies of testimony are consistent with what was admitted into the record.

¹¹ Even if a party were to improperly electronically submit testimony that was not admitted into the record, both Commission staff and parties of record are aware of the need to consult with the transcript for purposes of determining which testimony was actually admitted into the official record.

¹² In order to receive such alerts, parties must have an eFiling account with the Commission.

¹³ Parties of record are able to obtain copies of the official transcript in all adjudicatory proceedings.

¹⁴ Electronically submitted testimony will be an exact copy of the testimony submitted to the court reporter. Accordingly, all parties in the proceeding would have

Although the Commission is confident that Commission staff and parties of record in an adjudicatory proceeding are aware of the need to consult the transcript for purposes of determining which testimony was admitted into the official record, we are not certain that the public is similarly aware of the need for such consultation. As a result of this concern, the Commission has determined not to extend electronic access to testimony to the public at this time.

Regulatory Review

Under section 5(a) of the Regulatory Review Act (71 P. S. § 745.5(a)), on May 1, 2014, the Commission submitted a copy of this proposed rulemaking and a copy of a Regulatory Analysis Form to the Independent Regulatory Review Commission (IRRC) and to the Chairpersons of the House Consumer Affairs Committee and the Senate Consumer Protection and Professional Licensure Committee. A copy of this material is available to the public upon request.

Under section 5(g) of the Regulatory Review Act, IRRC may convey any comments, recommendations or objections to the proposed rulemaking within 30 days of the close of the public comment period. The comments, recommendations or objections must specify the regulatory review criteria which have not been met. The Regulatory Review Act specifies detailed procedures for review, prior to final publication of the rulemaking, by the Commission, the General Assembly and the Governor of comments, recommendations or objections raised.

Conclusion

Requiring parties, within thirty days after the final hearing in an adjudicatory proceeding (unless such time period is otherwise modified by the presiding officer), to either eFile with or provide to the Secretary's Bureau a CD containing all testimony furnished to the court reporter during an adjudicatory proceeding will accommodate the need to provide Commission staff and parties of record electronic access to pre-served testimony through the Commission's case and document management system. By this Proposed Rulemaking Order, the Commission proposes to implement the foregoing regulations to set forth the specific procedures to be followed for such electronic submission of testimony. The Commission, therefore, formally commences its rulemaking process to implement proposed regulations consistent with Annex A to this Proposed Rulemaking Order.

Accordingly, under sections 332, 333 and 501 of the Public Utility Code (66 Pa.C.S. §§ 332, 333 and 501) and sections 201 and 202 of the act of July 31, 1968 (P. L. 769, No. 240) (45 P. S. §§ 1201 and 1202), and the regulations promulgated thereunder at 1 Pa. Code §§ 7.1, 7.2 and 7.5; section 204(b) of the Commonwealth Attorneys Act (71 P. S. § 732.204(b)); section 745.5 of the Regulatory Review Act (71 P. S. § 745.5); and section 612 of The Administrative Code of 1929 (71 P. S. § 232), and the regulations promulgated thereunder at 4 Pa. Code §§ 7.231—7.234, we are considering adopting the proposed regulations as set forth in Annex A; *Therefore,*

It Is Ordered That:

1. A proposed rulemaking be opened to consider the regulations set forth in Annex A.
2. The Secretary shall submit this Proposed Rulemaking Order and Annex A to the Office of Attorney

been previously served with such testimony and would have access to consult the transcript to determine which testimony was admitted into the official record.

General for review as to form and legality and to the Governor's Budget Office for review of fiscal impact.

3. The Secretary shall submit this Proposed Rulemaking Order and Annex A for review and comments to the Independent Regulatory Review Commission and the Legislative Standing Committees.

4. The Secretary shall certify this Proposed Rulemaking Order and Annex A and deposit them with the Legislative Reference Bureau to be published in the *Pennsylvania Bulletin*.

5. An original of any written comments referencing the docket number of the proposed regulations be submitted within 30 days of publication in the *Pennsylvania Bulletin* to the Pennsylvania Public Utility Commission, Attn: Secretary, P.O. Box 3265, Harrisburg, PA 17105-3265.

6. A copy of this Proposed Rulemaking Order and Annex A shall be served on the Bureau of Investigation and Enforcement, the Office of Consumer Advocate, the Office of Small Business Advocate, and jurisdictional public utility industry and licensee trade associations.

7. The contact person for legal matters for this proposed rulemaking is Krystle J. Sacavage, Assistant Counsel, Law Bureau, (717) 787-5000. Alternate formats of this document are available to persons with disabilities and may be obtained by contacting Sherri DelBiondo, Regulatory Coordinator, Law Bureau, (717) 772-4597.

ROSEMARY CHIAVETTA,
Secretary

Fiscal Note: 57-303. No fiscal impact; (8) recommends adoption.

Annex A

TITLE 52. PUBLIC UTILITIES
PART I. PUBLIC UTILITY COMMISSION
Subpart A. GENERAL PROVISIONS
CHAPTER 5. FORMAL PROCEEDINGS
Subchapter E. EVIDENCE AND WITNESSES
WITNESSES

§ 5.412. Written testimony.

* * * * *

(f) *Service.* Written testimony shall be served upon the presiding officer and parties in the proceeding in accordance with the schedule established by this chapter. At the same time the testimony is served, a certificate of service for the testimony shall be filed with the Secretary. **All pre-served testimony furnished to the court reporter during an adjudicatory proceeding before the Commission shall be filed with the Commission as required under § 5.412a (relating to electronic submission of pre-served testimony).**

* * * * *

(*Editor's Note:* The following section is new and printed in regular type to enhance readability.)

§ 5.412a. Electronic submission of pre-served testimony.

(a) *General requirement for electronic submission.* Parties serving pre-served testimony in proceedings pending before the Commission under § 5.412(f) (relating to written testimony) are required, within 30 days after the final hearing in an adjudicatory proceeding, unless the time period is otherwise modified by the presiding officer, to electronically file with, under § 1.32(b) (relating to filing

specifications), or provide to the Secretary's Bureau a compact disc or technology prescribed by the Commission containing the testimony furnished to the court reporter during the proceeding.

(b) *Form of electronic submission.* Electronically submitted testimony must be limited to pre-served testimony documents and be in Portable Document Format. Exhibits attached to pre-served testimony documents may be electronically submitted to the Commission in accordance with subsection (a). Exhibits not electronically submitted with pre-served testimony shall be submitted in paper form to the court reporter at hearing.

(1) *Electronic submission.* Each piece of pre-served testimony filed through the Commission's electronic filing system shall be uploaded separately. Each piece of pre-served testimony submitted to the Secretary's Bureau on a compact disc or other technology as prescribed by the Commission may be uploaded onto one compact disc, pending file size limitations.

(2) *Electronic submission of testimony modified at hearing.* Pre-served testimony submitted to the Commission must match exactly the version of testimony the presiding officer has required to be submitted to the court reporter at hearing. When a presiding officer requires a party to make hand-marked modifications to testimony during the hearing before submitting the testimony to the court reporter, the pre-served testimony electronically submitted to the Commission shall be marked to reflect the modifications. When a presiding officer does not require a party to make modifications to testimony at hearing before submitting the testimony to the court reporter, the pre-served testimony electronically submitted to the Commission may not be marked. Testimony not admitted into the record during a hearing may not be electronically submitted to the Commission.

(3) *Labeling of electronically submitted testimony.* Pre-served testimony electronically submitted to the Commission must be labeled as follows:

(i) "___ St. No. ___ Direct Testimony of ____."

(ii) "___ St. No. ___-R Rebuttal Testimony of ____."

(iii) "___ St. No. ___-SR Surrebuttal Testimony of ____."

(c) *Submission of paper copies of pre-served testimony to the court reporter.* Two paper copies of pre-served testimony shall be provided to the court reporter at hearing.

(d) *Electronic submission of confidential or proprietary testimony.* Electronically submitted testimony confidential or proprietary in nature shall be submitted to the Secretary's Bureau on a compact disc or other technology as prescribed by the Commission. The compact disc must be labeled "CONFIDENTIAL" or "PROPRIETARY." Confidential or proprietary testimony may not be filed through the Commission's electronic filing system. Electronically submitted testimony confidential or proprietary in nature must match exactly the version of the confidential or proprietary testimony submitted to the court reporter at hearing.

(e) *Electronic submission of improper testimony.* If a party in an adjudicatory proceeding discovers that improper testimony documents have been electronically submitted to the Commission, the party may raise the improper submission with the presiding officer assigned to the adjudicatory proceeding. The presiding officer or the Commission will make a determination regarding the submission of improper testimony.

[Pa.B. Doc. No. 14-1037. Filed for public inspection May 16, 2014, 9:00 a.m.]

NOTICES

DEPARTMENT OF BANKING AND SECURITIES

Actions on Applications

The Department of Banking and Securities (Department), under the authority contained in the act of November 30, 1965 (P. L. 847, No. 356), known as the Banking Code of 1965; the act of December 14, 1967 (P. L. 746, No. 345), known as the Savings Association Code of 1967; the act of May 15, 1933 (P. L. 565, No. 111), known as the Department of Banking and Securities Code; and the act of December 19, 1990 (P. L. 834, No. 198), known as the Credit Union Code, has taken the following action on applications received for the week ending May 6, 2014.

Under section 503.E of the Department of Banking and Securities Code (71 P. S. § 733-503.E), any person wishing to comment on the following applications, with the exception of branch applications, may file their comments in writing with the Department of Banking and Securities, Corporate Applications Division, 17 North Second Street, Suite 1300, Harrisburg, PA 17101-2290. Comments must be received no later than 30 days from the date notice regarding receipt of the application is published in the *Pennsylvania Bulletin*. The nonconfidential portions of the applications are on file at the Department and are available for public inspection, by appointment only, during regular business hours. To schedule an appointment, contact the Corporate Applications Division at (717) 783-2253. Photocopies of the nonconfidential portions of the applications may be requested consistent with the Department's Right-to-Know Law Records Request policy.

BANKING INSTITUTIONS

Branch Applications

De Novo Branches

| <i>Date</i> | <i>Name and Location of Applicant</i> | <i>Location of Branch</i> | <i>Action</i> |
|-------------|---|--|---------------|
| 4-26-2014 | Beneficial Mutual Savings Bank Philadelphia Philadelphia County | 901 Limekiln Pike Maple Glen Montgomery County | Open |

Branch Discontinuances

| <i>Date</i> | <i>Name and Location of Applicant</i> | <i>Location of Branch</i> | <i>Action</i> |
|-------------|---|--|---------------|
| 4-25-2014 | Beneficial Mutual Savings Bank Philadelphia Philadelphia County | 509 Springhouse Village Center Springhouse Montgomery County | Closed |

Branch Relocations

| <i>Date</i> | <i>Name and Location of Applicant</i> | <i>Location of Branch</i> | <i>Action</i> |
|-------------|---|--|---------------|
| 4-29-2014 | Citizens Bank of Pennsylvania Philadelphia Philadelphia County | <i>To:</i> 141 East Swedesford Road Exton Chester County <i>From:</i> 111 West Lincoln Highway Exton Chester County | Filed |
| 4-26-2014 | Beneficial Mutual Savings Bank Philadelphia Philadelphia County | <i>To:</i> 2021 Sproul Road Broomall Delaware County <i>From:</i> 1991 Sproul Road, Suite 22 Broomall Delaware County | Effective |

Branch Consolidations

| <i>Date</i> | <i>Name and Location of Applicant</i> | <i>Location of Branch</i> | <i>Action</i> |
|-------------|---|---|---------------|
| 4-17-2014 | AmeriServ Financial Bank Johnstown Cambria County | <i>Into:</i> 216 Franklin Street Johnstown Cambria County <i>From:</i> 163 Fairfield Avenue Johnstown Cambria County | Effective |

SAVINGS INSTITUTIONS

Conversions

| <i>Date</i> | <i>Name and Location of Applicant</i> | <i>Action</i> |
|-------------|---|---------------|
| 5-6-2014 | <i>From:</i> Slovenian Savings and Loan Association Strabane Washington County <i>To:</i> Slovenian Saving and Loan Association Strabane Washington County | Effective |

Conversion from a Pennsylvania State-chartered mutual savings and loan association to a Pennsylvania State-chartered mutual savings bank.

CREDIT UNIONS

Consolidations, Mergers and Absorptions

| <i>Date</i> | <i>Name and Location of Applicant</i> | <i>Action</i> |
|-------------|---|---------------|
| 4-30-2014 | PPL Gold Credit Union Allentown Lehigh County Merger of Keystone First Federal Credit Union, Hazleton, with and into PPL Gold Credit Union, Allentown. | Effective |

Branch Applications

De Novo Branches

| <i>Date</i> | <i>Name and Location of Applicant</i> | <i>Location of Branch</i> | <i>Action</i> |
|-------------|---|---|---------------|
| 4-28-2014 | TruMark Financial Credit Union Trevose Bucks County | 200 West Ridge Pike Plymouth Township Montgomery County | Opened |

The Department's web site at www.dobs.state.pa.us includes public notices for more recently filed applications.

GLENN E. MOYER,
Secretary

[Pa.B. Doc. No. 14-1038. Filed for public inspection May 16, 2014, 9:00 a.m.]

Maximum Lawful Rate of Interest for Residential Mortgages for the Month of June 2014

The Department of Banking and Securities (Department), under the authority contained in section 301 of the act of January 30, 1974 (P. L. 13, No. 6) (41 P. S. § 301), determines that the maximum lawful rate of interest for residential mortgages for the month of June, 2014, is 5 3/4%.

The interest rate limitations under the State's usury statute were preempted to a great extent by Federal law, the Depository Institutions Deregulation and Monetary Control Act of 1980 (Pub. L. No. 96-221). Further preemption was instituted with the signing of Pub. L. No. 96-399, which overrode State interest rate limitations on any individual who finances the sale or exchange of residential real property which the individual owns and which the individual occupies or has occupied as his principal residence.

Each month the Department is required by State law to compute and announce the ceiling rate on residential mortgages in this Commonwealth. This maximum rate is determined by adding 2.50 percentage points to the yield rate on long-term government bonds as published by the Federal Reserve Board and/or the United States Treasury. The latest yield rate on long-term government securities is 3.17 to which was added 2.50 percentage points for a

total of 5.67 that by law is rounded off to the nearest quarter at 5 3/4%.

GLENN E. MOYER,
Secretary

[Pa.B. Doc. No. 14-1039. Filed for public inspection May 16, 2014, 9:00 a.m.]

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

Execution of Oil and Gas Lease for Publicly-Owned Streambeds

Effective December 2, 2013, an Oil and Gas Lease for Publicly-Owned Streambeds, Contract No. M-2102030-04, was executed by and between the Commonwealth, acting through the Department of Conservation and Natural Resources (Department) (lessor), and EQT Production Company (lessee), with its principal place of business located at 625 Liberty Avenue, Pittsburgh, PA 15222.

The lease is for Streambed Tract 2030 and includes one parcel encompassing a total of 2.55 acres of submerged lands located in Morgan Township, Greene County. The

lease was recorded at the Greene County Courthouse on February 27, 2014, instrument no. 201400001077. The lease allows for the development of oil and natural gas below and between the ordinary low water marks of the Tenmile Creek solely by means of directional, including horizontal, drilling on a nondevelopment basis that will not disturb the river or its bed. Contract No. M-2102030-04 may be viewed online at <http://contracts.patreasury.gov/View.aspx?ContractID=263770>.

Questions regarding this lease should be directed to the Department's Bureau of Forestry, Minerals Division at (717) 772-0270.

ELLEN M. FERRETTI,
Secretary

[Pa.B. Doc. No. 14-1040. Filed for public inspection May 16, 2014, 9:00 a.m.]

Request for Bids

The Department of Conservation and Natural Resources is soliciting bids for the following projects. Bid documents can be obtained from the Administrative Services Section, Bureau of Facility Design and Construction at (717) 787-5055:

FDC-429-1810.1—General Construction, Rehabilitation of Swimming Pool Complex, Lackawanna State Park, Benton Township, Lackawanna County. Work included under this contract consists of demolition of existing pool, existing men and women bathhouses, concession and ticket booth buildings and all surrounding concrete paving and construction of new pool with new filtration system, a new sprayground including filtration system

and play features, new men and women bathhouses, new concession building, new life guard building and new ticket booth building.

FDC-429-1810.2—HVAC Construction, Rehabilitation of Swimming Pool Complex, Lackawanna State Park, Benton Township, Lackawanna County. Work included under this contract consists of HVAC equipment for a new ticket booth, new women and men bathhouses and new concession building.

FDC-429-1810.3—Plumbing Construction, Rehabilitation of Swimming Pool Complex, Lackawanna State Park, Benton Township, Lackawanna County. Work included under this contract consists of plumbing work for a new ticket booth, new women and men bathhouses, a new concession building and pool hydrants.

FDC-429-1810.4—Electrical Construction, Rehabilitation of Swimming Pool Complex, Lackawanna State Park, Benton Township, Lackawanna County. Work included under this contract consists of electrical work related to demolition of electrical aspects of the existing pool complex and all electrical works for a new filtration system for a new sprayground, new main pool, new ticket booth, new women and men bathhouses and new concession building. It also includes the installation of three pairs of telecom cable to the concession and life guard buildings from new demarcation points at the existing filtration building.

Bid documents will be available on or after May 20, 2014. The bid opening will be held on June 17, 2014.

ELLEN FERRETTI,
Secretary

[Pa.B. Doc. No. 14-1041. Filed for public inspection May 16, 2014, 9:00 a.m.]

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Applications, Actions and Special Notices

APPLICATIONS

**THE CLEAN STREAMS LAW AND THE FEDERAL CLEAN WATER ACT
APPLICATIONS FOR NATIONAL POLLUTION DISCHARGE ELIMINATION
SYSTEM (NPDES) PERMITS AND WATER QUALITY MANAGEMENT (WQM)
PERMITS**

This notice provides information about persons who have applied for a new, amended or renewed NPDES or WQM permit, a permit waiver for certain stormwater discharges or submitted a Notice of Intent (NOI) for coverage under a General Permit. The applications concern, but are not limited to, discharges regarding industrial, animal or sewage waste, discharges to groundwater, discharges associated with municipal separate storm sewer systems (MS4), stormwater associated with construction activities or concentrated animal feeding operations (CAFO). This notice is provided in accordance with 25 Pa. Code Chapters 91 and 92a and 40 CFR Part 122, implementing The Clean Streams Law (35 P. S. §§ 691.1—691.1001) and the Federal Clean Water Act (33 U.S.C.A. §§ 1251—1376).

| <i>Location</i> | <i>Permit Authority</i> | <i>Application Type or Category</i> |
|-----------------|-------------------------|--|
| Section I | NPDES | Renewals |
| Section II | NPDES | New or Amendment |
| Section III | WQM | Industrial, Sewage or Animal Waste; Discharge into Groundwater |
| Section IV | NPDES | MS4 Individual Permit |
| Section V | NPDES | MS4 Permit Waiver |
| Section VI | NPDES | Individual Permit Stormwater Construction |
| Section VII | NPDES | NOI for Coverage under NPDES General Permits |

For NPDES renewal applications in Section I, the Department of Environmental Protection (Department) has made a tentative determination to reissue these permits for 5 years subject to effluent limitations and monitoring and reporting requirements in their current permits, with appropriate and necessary updated requirements to reflect new and changed regulations and other requirements.

For applications for new NPDES permits and renewal applications with major changes in Section II, as well as applications for MS4 Individual Permits and Individual Stormwater Construction Permits in Sections IV and VI, the Department, based upon preliminary reviews, has made tentative determinations of proposed effluent limitations and other terms and conditions for the permit applications. In accordance with 25 Pa. Code § 92a.32(d), the proposed discharge of stormwater associated with construction activities will be managed in accordance with the requirements of 25 Pa. Code Chapter 102. These determinations are published as proposed actions for comments prior to taking final actions.

Unless indicated otherwise, the United States Environmental Protection Agency (EPA) Region III Administrator has waived the right to review or object to proposed NPDES permit actions under the waiver provision in 40 CFR 123.24(d).

Persons wishing to comment on NPDES applications are invited to submit statements to the contact office noted before the application within 30 days from the date of this public notice. Persons wishing to comment on WQM permit applications are invited to submit statements to the office noted before the application within 15 days from the date of this public notice. Comments received within the respective comment periods will be considered in the final determinations regarding the applications. A comment submittal should include the name, address and telephone number of the writer and a concise statement to inform the Department of the exact basis of a comment and the relevant facts upon which it is based.

The Department will also accept requests for public hearings on applications. A public hearing may be held if the responsible office considers the public response significant. If a hearing is scheduled, a notice of the hearing will be published in the *Pennsylvania Bulletin* and a newspaper of general circulation within the relevant geographical area. The Department will postpone its final determination until after a public hearing is held.

Persons with a disability who require an auxiliary aid, service, including TDD users, or other accommodations to seek additional information should contact the Department through the Pennsylvania AT&T Relay Service at (800) 654-5984.

I. NPDES Renewal Applications

Northeast Region: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915. Phone: 570-826-2511.

| <i>NPDES No. (Type)</i> | <i>Facility Name & Address</i> | <i>County & Municipality</i> | <i>Stream Name (Watershed No.)</i> | <i>EPA Waived Y/N?</i> |
|-----------------------------|---|--------------------------------------|--|----------------------------|
| PA0060879 (Sewage) | Country Club Estates Condominium Association 324 Country Club Road Lehighton, PA 18235 | Carbon County Mahoning Township | Unnamed Tributary to Mahoning Creek (2-B) | Y |

Southcentral Region: Clean Water Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone: 717-705-4707.

| <i>NPDES No. (Type)</i> | <i>Facility Name & Address</i> | <i>County & Municipality</i> | <i>Stream Name (Watershed #)</i> | <i>EPA Waived Y/N?</i> |
|-----------------------------|---|--|--------------------------------------|----------------------------|
| PA0034754— SEW | Frank T. Perano GSP Management Company (Alex Acres MHP) PO Box 677 Morgantown, PA 19543 | Dauphin County / Halifax Township | Gurdy Run / 6C | Y |
| PA0084085— SEW | John D. Walter Country View Estates Mobile Home Park PO Box 175 Newville, PA 17241 | Cumberland County Upper Frankford Township | UNT of Bloser Creek / 7-B | Y |

Northwest Region: Clean Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481

| <i>NPDES No. (Type)</i> | <i>Facility Name & Address</i> | <i>County & Municipality</i> | <i>Stream Name (Watershed#)</i> | <i>EPA Waived Y/N?</i> |
|---------------------------------|--|--------------------------------------|-------------------------------------|----------------------------|
| PA0222844 (Industrial Waste) | Ellwood Industrial Facilities Oxygen Generation Plant 700 Moravia Street New Castle, PA 16101 | Lawrence County New Castle City | Shenango River (20-A) | Y |

II. Applications for New or Expanded Facility Permits, Renewal of Major Permits and EPA Non-Waived Permit Applications

Southeast Region: Clean Water Program Manager, 2 East Main Street, Norristown, PA 19401. Telephone 484-250-5970

PA0055689, SIC Code 4952, **Clemens Andrew S & Clemens Elaine R**, 485 Camp Rock Hill Road, Quakertown, PA 18951. Facility Name: Clelmen SRSTP. This existing facility is located in Richland Township, **Bucks County**.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated sewage.

The receiving stream(s), Butler Creek, is located in State Water Plan watershed 2D and is classified for High Quality Waters—Trout Stocking and Mi, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.00005 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|-----------------------------|------------------------|----------------|-------------------------|-----------------------------|-------------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Minimum</i> | <i>Instant. Minimum</i> | <i>Average Monthly</i> | <i>Instant. Maximum</i> | |
| Flow (GPD) | Report | XXX | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Total Residual Chlorine | XXX | XXX | Report | Report | XXX | Report |
| CBOD ₅ | | | | | | |
| May 1 - Oct 31 | XXX | XXX | XXX | 10 | XXX | 20 |
| Nov 1 - Apr 30 | XXX | XXX | XXX | 20 | XXX | 40 |
| Total Suspended Solids | XXX | XXX | XXX | 10 | XXX | 20 |
| Fecal Coliform (CFU/100 ml) | XXX | XXX | XXX | 200#/100 ml Geo Mean | XXX | XXX |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | XXX | XXX | XXX | 3 | XXX | 6 |
| Nov 1 - Apr 30 | XXX | XXX | XXX | 9 | XXX | 18 |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 484-250-5910.

The EPA Waiver is in effect.

PA0039004, Sewage, SIC Code 4952, **Upper Gwynedd—Towamencin Municipal Authority**, 2225 Kriebel Road, Lansdale, PA 19446. Facility Name: Upper Gwynedd-Towamencin STP. This existing facility is located in Towamencin Township, **Montgomery County**.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated sewage from Upper Gwynedd—Towamencin STP.

The receiving stream(s), Towamencin Creek, is located in State Water Plan watershed 3-E and is classified for Trout Stocking, Trout Stocking and Migratory Fishes, aquatic life, water supply and recreation. The nearest public water supply intake is for Aqua PA—Perkiomen Creek Intake

The proposed effluent limits for Outfalls 001, 002, and 003 are based on a design flow of 6.5 MGD.

PA0058564, Sewage, SIC Code 4952, 7032, **Girl Scouts Of Freedom Valley**, P O Box 814, Valley Forge, PA 19482. Facility Name: Camp Tohikane STP. This existing facility is located in Haycock Township, **Bucks County**.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.

The receiving stream(s), Tohickon Creek, is located in State Water Plan watershed 2-D and is classified for Trout Stocking and Migratory Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.015 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|-----------------------------|------------------------|----------------------|-------------------------|-----------------------------|-------------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Minimum</i> | <i>Average Monthly</i> | <i>Instant. Maximum</i> | |
| Flow (GPD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 5.0 | XXX | XXX | XXX |
| Total Residual Chlorine | XXX | XXX | XXX | 0.5 | XXX | 0.9 |
| CBOD ₅ | XXX | XXX | XXX | 10 | XXX | 20 |
| Total Suspended Solids | XXX | XXX | XXX | 10 | XXX | 20 |
| Total Dissolved Solids | XXX | XXX | XXX | Report Daily Max | XXX | XXX |
| Fecal Coliform (CFU/100 ml) | | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 50 Geo Mean | XXX | 1,000 |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 50 Geo Mean | XXX | 1,000 |
| Nitrate-Nitrite as N | XXX | XXX | XXX | 10 | XXX | 20 |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | XXX | XXX | XXX | 1.5 | XXX | 3.0 |
| Nov 1 - Apr 30 | XXX | XXX | XXX | 3.0 | XXX | 6.0 |
| Total Phosphorus | XXX | XXX | XXX | 0.5 | XXX | 1.0 |

In addition, the permit contains the following major special conditions:

- Designation of Responsible Operator
- Remedial Measures
- No Stormwater
- Change in Ownership
- TRC Minimization
- Sludge Disposal
- Special Protection Waters

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 484-250-5910.

The EPA Waiver is in effect.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|----------------------------------|------------------------|----------------------|-----------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | Inst Min 6.0 | XXX | XXX | XXX |
| Total Residual Chlorine | XXX | XXX | XXX | 0.014 | XXX | 0.047 |
| CBO _{D5} | | | | | | |
| Influent | Report | XXX | XXX | Report | XXX | XXX |
| May 1 - Oct 31 | 540 | 815 | XXX | 10 | 15 | 20 |
| Nov 1 - Apr 30 | 1,085 | Wkly Avg 1,625 | XXX | 20 | Wkly Avg 30 | 40 |
| BOD ₅ | | Wkly Avg | | | Wkly Avg | |
| Influent | Report | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | | | | | | |
| Influent | Report | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | 1,625 | 2,440 | XXX | 30 | 45 | 60 |
| | | Wkly Avg | | | Wkly Avg | |
| Total Dissolved Solids (Interim) | XXX | XXX | XXX | Report | Report | XXX |
| (Final) | Report | Report | XXX | 1,000 | 2,000 | 2500 |
| Osmotic Pressure (mOs/kg) | XXX | XXX | XXX | Report | XXX | XXX |
| Fecal Coliform (CFU/100 ml) | XXX | XXX | XXX | 200 | XXX | 1,000 |
| UV Transmittance (%) | XXX | XXX | Report | Geo Mean XXX | XXX | XXX |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | 54 | XXX | XXX | 1.0 | XXX | 2.0 |
| Nov 1 - Apr 30 | 108 | XXX | XXX | 2.0 | XXX | 4.0 |
| Total Phosphorus | | | | | | |
| Apr 1 - Oct 31 | 51 | XXX | XXX | 1.0 | XXX | 2.0 |
| Nov 1 - Mar 31 | 102 | XXX | XXX | 2.0 | XXX | 4.0 |
| Total Aluminum | Report | Report | XXX | Report | Report | XXX |
| Total Copper | 1.14 | 1.73 | XXX | 0.021 | 0.032 | 0.042 |
| Total Iron | 84.5 | 132 | XXX | 1.56 | 2.44 | 3.12 |
| Sulfate | Report | Report | XXX | Report | Report | XXX |
| Chloride | Report | Report | XXX | Report | Report | XXX |
| Bromide | Report | Report | XXX | Report | Report | XXX |
| Chronic Toxicity | | | | | | |
| Ceriodaphnia Survival (TUc) | XXX | XXX | XXX | Report | XXX | XXX |
| Ceriodaphnia Reproduction (TUc) | XXX | XXX | XXX | Daily Max Report | XXX | XXX |
| Pimephales Survival (TUc) | XXX | XXX | XXX | Daily Max Report | XXX | XXX |
| Pimephales Growth (TUc) | XXX | XXX | XXX | Daily Max Report | XXX | XXX |

The proposed effluent limits for Outfalls 004, 005, 006 and 007 are based on a stormwater event.

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | Instant. Maximum |
|-----------------------------|-----------------|-------|---------|----------------------|-------|------------------|
| | Average Monthly | Daily | Minimum | Average Monthly | Daily | |
| pH (S.U.) | XXX | XXX | XXX | Report | XXX | Report |
| CBOD ₅ | XXX | XXX | XXX | Report | XXX | Report |
| Chemical Oxygen Demand | XXX | XXX | XXX | Report | XXX | Report |
| Total Suspended Solids | XXX | XXX | XXX | Report | XXX | Report |
| Oil and Grease | XXX | XXX | XXX | Report | XXX | Report |
| Fecal Coliform (CFU/100 ml) | XXX | XXX | XXX | Report | XXX | Report |
| Total Kjeldahl Nitrogen | XXX | XXX | XXX | Report | XXX | Report |
| Total Phosphorus | XXX | XXX | XXX | Report | XXX | Report |
| Dissolved Iron | XXX | XXX | XXX | Report | XXX | Report |

In addition, the permit contains the following major special conditions:

- No Stormwater in Sewers
- Obtain Necessary Property Rights
- Proper Sludge Disposal
- Chlorine Minimization
- Small Stream Discharge
- Notification of Responsible Owner
- O&M Plan
- High Flow Management Plan
- Definition Osmotic Pressure
- Total Dissolved Solids Limits
- Fecal Limits
- TRC Limits Below Detection Limits
- Stormwater Requirements
- Site Specific Copper Criteria

The copper limits contained in this permit are based on site-specific copper criteria recommended in a Biotic Ligand Model (BLM) study by Tichler/Kocurek (August 2011). The BLM method for developing site-specific copper criteria is recommended by the federal EPA's in their updated aquatic life criteria for copper. The BLM study recommended site-specific total copper criteria of 30.6 ug/l (CMC) and 19 mg/l (CCC). Copper limits were developed based on the recommended criteria using the Department's PENTOXSD model. Based on a design stream flow (Q₇₋₁₀) of 0.43-cfs, the site-specific water-quality based effluent limit (WQBEL) for total copper was calculated as 21 mg/l (average monthly) and 32 mg/l (daily maximum).

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 484-250-5910.

The EPA Waiver is not in effect.

Northeast Region: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915. Phone: 570-826-2511.

PA0060097, Sewage, SIC Code 4952, **PA American Water Co.**, 100 North Pennsylvania Avenue, Wilkes-Barre, PA 18701. Facility Name: Pocono Country Place. This existing facility is located in Coolbaugh Township, **Monroe County**.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.

The receiving stream(s), Dresser Run, is located in State Water Plan watershed 2-A and is classified for High Quality Waters—Cold Water Fishes and, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 1.25 MGD.

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | Instant. Maximum |
|------------------------|-----------------|---------------|---------|----------------------|---------------|------------------|
| | Average Monthly | Daily Maximum | Minimum | Average Monthly | Daily Maximum | |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 7.0 | XXX | XXX | XXX |
| CBOD ₅ | 104 | XXX | XXX | 10.0 | 15.0 | 20.0 |
| Total Suspended Solids | 208 | XXX | XXX | 20.0 | 30.0 | 40.0 |

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | |
|-----------------------------|-----------------|---------------|---------|----------------------|---------------|------------------|
| | Average Monthly | Daily Maximum | Minimum | Average Monthly | Daily Maximum | Instant. Maximum |
| Fecal Coliform (CFU/100 ml) | | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 | XXX | 1,000 |
| Oct 1 - Apr 30 | XXX | XXX | XXX | Geo Mean 2,000 | XXX | 10,000 |
| Nitrate-Nitrite as N | 114 | XXX | XXX | 11.0 | XXX | 22.0 |
| Total Nitrogen | Report | XXX | XXX | Report | XXX | XXX |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | 24 | XXX | XXX | 2.3 | XXX | 4.6 |
| Nov 1 - Apr 30 | 72 | XXX | XXX | 7.0 | XXX | 14.0 |
| Total Kjeldahl Nitrogen | Report | XXX | XXX | Report | XXX | XXX |
| Total Phosphorus | 10.4 | XXX | XXX | 1.0 | XXX | 2.0 |
| Total Aluminum | Report | XXX | XXX | Report | XXX | XXX |
| Total Copper (Interim) | Report | XXX | XXX | XXX | Report | XXX |
| Total Copper (Final) | Report | XXX | XXX | XXX | 0.010 | XXX |
| Total Iron | XXX | XXX | XXX | Report | XXX | XXX |
| Total Manganese | XXX | XXX | XXX | Report | XXX | XXX |
| Total Zinc | 0.9 | XXX | XXX | 0.088 | XXX | XXX |

The proposed effluent limits for Stormwater Outfalls 002 & 003 are based on a design flow of 0.000000 MGD (stormwater only).

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | |
|-------------------------|-----------------|---------------|---------|----------------------|---------------|------------------|
| | Average Monthly | Daily Maximum | Minimum | Average Monthly | Daily Maximum | Instant. Maximum |
| pH | XXX | XXX | Report | XXX | XXX | Report |
| Total Suspended Solids | XXX | XXX | XXX | XXX | Report | XXX |
| Total Kjeldahl Nitrogen | XXX | XXX | XXX | XXX | Report | XXX |
| Total Iron | XXX | XXX | XXX | XXX | Report | XXX |

In addition, the permit contains the following major special conditions:

- Standard Sewage Conditions (stormwater prohibition for sewerage system; necessary property rights; residuals management; Planning), emergency disinfection, discharge/stream changes, schedule for compliance (copper), Whole Effluent Testing conditions, and Stormwater conditions.

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 570-826-5472.

The EPA Waiver is not in effect.

PAS322203, Storm Water, SIC Code 2297, **Monadnock Non-Wovens LLC**, 5110 Park Court, Mount Pocono, PA 18344. Facility Name: Monadnock Non-Wovens LLC. This proposed facility is located in Coolbaugh Township, **Monroe County**.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated Storm Water.

The receiving stream(s), Red Run (Pocono Summit Lake), is located in State Water Plan watershed 02A and is classified for High Quality Waters—Cold Water Fishes and, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 & 002* are based on a design flow of 0.000000 MGD.

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | |
|-------------------------|-----------------|---------------|---------|----------------------|---------------|------------------|
| | Average Monthly | Daily Maximum | Minimum | Average Monthly | Daily Maximum | Instant. Maximum |
| pH (S.U.) | XXX | XXX | Report | XXX | XXX | Report |
| Total Suspended Solids | XXX | XXX | XXX | XXX | Report | XXX |
| Total Kjeldahl Nitrogen | XXX | XXX | XXX | XXX | Report | XXX |
| Total Iron | XXX | XXX | XXX | XXX | Report | XXX |

*Outfall 002 will only require sampling in event of industrial materials or industrial activities in that drainage area.

In addition, the permit contains the following major special conditions:

- Necessary property rights; and standard stormwater conditions. You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 570-826-5472.

The EPA Waiver is in effect.

Southcentral Region: Clean Water Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone: 717-705-4707.

PA0080349, Sewage, SIC Code 6515, **Chesapeake Estates of Thomasville (Martin W. Clarence & Cleve D. Sherrill)**, 585 Martin Road, Gettysburg, PA 17325. Facility Name: Chesapeake Estates of Thomasville. This proposed facility is located in Jackson Township, **York County**.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated Sewage.

The receiving stream(s), Little Conewago Creek, is located in State Water Plan watershed 7-F and is classified for Trout Stocking and Migratory Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.058 MGD.

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | |
|-----------------------------|-----------------|-----------------------|---------|-------------------------------|---------------|------------------|
| | Average Monthly | Daily Maximum | Minimum | Average Monthly | Daily Maximum | Instant. Maximum |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 5.0 | XXX | XXX | XXX |
| Total Residual Chlorine | XXX | XXX | XXX | 0.22 | XXX | 0.77 |
| CBOD ₅ | XXX | XXX | XXX | 25 | XXX | 50 |
| Total Suspended Solids | XXX | XXX | XXX | 30 | XXX | 60 |
| Fecal Coliform (CFU/100 ml) | | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 | XXX | 1,000 |
| Oct 1 - Apr 30 | XXX | XXX | XXX | Geo Mean 2,000 Geo Mean | XXX | 10,000 |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | XXX | XXX | XXX | 3.0 | XXX | 6.0 |
| Nov 1 - Apr 30 | XXX | XXX | XXX | 9.0 | XXX | 18 |
| Total Phosphorus | XXX | XXX | XXX | 2.0 | XXX | 4.0 |
| Total Phosphorus (lbs/year) | XXX | Report | XXX | Report | XXX | XXX |
| Total Nitrogen (lbs/year) | XXX | Annual Avg. Report | XXX | Annual Avg. Report | XXX | XXX |
| | | Annual Avg. | | Annual Avg. | | |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is in effect.

PA0262072, Industrial Waste, SIC Code 2033, **Knouse Foods Cooperative, Inc.**, 800 Peach Glen—Idaville Road, Peach Glen, PA 17375. Facility Name: Knouse Food Peach Glen Fruit Processing Facility. This proposed facility is located in Tyrone & Huntington Townships, **Adams County**.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated Industrial Waste.

The receiving stream, Unnamed Tributary to Bermudian Creek, is located in State Water Plan watershed 7-F and is classified for Warm Water Fishes and Migratory Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.400 MGD.

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | |
|------------------------|-----------------|---------------|-----------------|----------------------|------------------|------------------|
| | Average Monthly | Daily Maximum | Average Monthly | Daily Maximum | Instant. Maximum | Instant. Maximum |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 Min | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 5.0 Min | XXX | XXX | XXX |
| Color (Pt-Co Units) | | | | | | |
| (Interim) | XXX | XXX | Report | Report | XXX | XXX (|
| (Final) | XXX | XXX | Report | 91 | XXX | XXX |
| BOD ₅ | 18.1 | 36.2 | 10 | 20 | XXX | 25 |
| Total Suspended Solids | 18.1 | 36.2 | 10 | 20 | XXX | 25 |
| Total Dissolved Solids | 3620 | 7239 | 2000 | 4000 | XXX | XXX |
| Oil and Grease | 27.1 | XXX | 15 | XXX | XXX | 30 |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | 3.6 | 7.2 | 2.0 | 4.0 | XXX | 5.0 |
| Nov 1 - Apr 30 | 10.9 | 21.7 | 6.0 | 12.0 | XXX | 15.0 |
| Total Nitrogen | 21.7 | 43.4 | 12 | 24 | XXX | 2.5 |
| Total Phosphorus | | | | | | |
| (Interim) | 1.8 | 3.6 | 1.0 | 2.0 | XXX | 2.5 |
| (Final) | 0.9 | 1.8 | 0.5 | 1.0 | XXX | 1.25 |

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Average Monthly</i> | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|-------------------|----------------------------|--------------------------|----------------------------|-----------------------------|--------------------------|-----------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | | <i>Daily Maximum</i> | <i>Daily Maximum</i> | |
| Total Aluminum | 1.053 | 1.643 | 0.582 | 0.908 | XXX | 1.455 |
| Total Copper | Report | Report | Report | Report | XXX | Report |
| Dissolved Iron | 0.657 | 1.024 | 0.363 | 0.566 | XXX | 0.908 |
| Total Iron | 3.285 | 5.125 | 1.815 | 2.832 | XXX | 4.538 |
| Total Lead | Report | Report | Report | Report | XXX | Report |
| Total Manganese | Report | Report | Report | Report | XXX | Report |
| Total Zinc | 0.168 | 0.262 | 0.0929 | 0.1450 | XXX | 0.2322 |

The proposed effluent limits for Outfall 002 are based on a design flow of 0.005 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Average Monthly</i> | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|-----------------------------|----------------------------|--------------------------|----------------------------|-----------------------------|---------------------------|-----------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | | <i>Geometric Mean</i> | <i>Geometric Mean</i> | |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 Min | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 5.0 Min | XXX | XXX | XXX |
| CBOD ₅ | XXX | XXX | 25 | XXX | XXX | 50 |
| Total Suspended Solids | XXX | XXX | 30 | XXX | XXX | 60 |
| Fecal Coliform (CFU/100 ml) | | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 | XXX | 1000 |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2000 | XXX | 10000 |
| UV Transmittance (%) | XXX | XXX | Report Min | Report Avg Mo | XXX | XXX |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | XXX | XXX | 25.0 | XXX | XXX | 50.0 |
| Nov 1 - Apr 30 | XXX | XXX | Report | XXX | XXX | Report |

The proposed effluent limits for Outfall 004 are based on a design flow of 0.0 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Minimum</i> | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|------------------------|----------------------------|--------------------------|----------------|-----------------------------|--------------------------|-----------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | | <i>Daily Maximum</i> | <i>Daily Maximum</i> | |
| pH (S.U.) | | | | | | |
| Other Stormwater | XXX | XXX | XXX | Report | XXX | XXX |
| Dissolved Oxygen | | | | | | |
| Other Stormwater | XXX | XXX | XXX | Report | XXX | XXX |
| CBOD ₅ | | | | | | |
| Other Stormwater | XXX | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | | | | | | |
| Other Stormwater | XXX | XXX | XXX | Report | XXX | XXX |

The proposed effluent limits for Outfall 007 are based on a design flow of 0.0 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Minimum</i> | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|------------------------|----------------------------|--------------------------|----------------|-----------------------------|--------------------------|-----------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | | <i>Daily Maximum</i> | <i>Daily Maximum</i> | |
| pH (S.U.) | | | | | | |
| Other Stormwater | XXX | XXX | XXX | Report | XXX | XXX |
| Dissolved Oxygen | | | | | | |
| Other Stormwater | XXX | XXX | XXX | Report | XXX | XXX |
| CBOD ₅ | | | | | | |
| Other Stormwater | XXX | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | | | | | | |
| Other Stormwater | XXX | XXX | XXX | Report | XXX | XXX |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfall 001.

| <i>Parameters</i> | <i>Mass (lbs)</i> | | <i>Minimum</i> | <i>Concentration (mg/l)</i> | |
|----------------------|-------------------|---------------|----------------|-----------------------------|----------------|
| | <i>Monthly</i> | <i>Annual</i> | | <i>Monthly Average</i> | <i>Maximum</i> |
| Ammonia—N | Report | Report | XXX | Report | XXX |
| Kjeldahl—N | Report | XXX | XXX | Report | XXX |
| Nitrate-Nitrite as N | Report | XXX | XXX | Report | XXX |
| Total Nitrogen | Report | Report | XXX | Report | XXX |
| Total Phosphorus | Report | Report | XXX | Report | XXX |
| Net Total Nitrogen | Report | 0 | XXX | XXX | XXX |
| Net Total Phosphorus | Report | 0 | XXX | XXX | XXX |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfall 002.

| <i>Parameters</i> | <i>Mass (lbs)</i> | | <i>Minimum</i> | <i>Concentration (mg/l)</i> | |
|----------------------|-------------------|---------------|----------------|-----------------------------|----------------|
| | <i>Monthly</i> | <i>Annual</i> | | <i>Monthly Average</i> | <i>Maximum</i> |
| Ammonia—N | Report | Report | XXX | Report | XXX |
| Kjeldahl—N | Report | XXX | XXX | Report | XXX |
| Nitrate-Nitrite as N | Report | XXX | XXX | Report | XXX |
| Total Nitrogen | Report | Report | XXX | Report | XXX |
| Total Phosphorus | Report | Report | XXX | Report | XXX |
| Net Total Nitrogen | Report | 0 | XXX | XXX | XXX |
| Net Total Phosphorus | Report | 0 | XXX | XXX | XXX |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is in effect.

PA0009326, Industrial Waste, SIC Code 2033, 2037, **Motts LLP**, 45 Aspers North Road, Aspers, PA 17304. Facility Name: Motts LLP. This existing facility is located in Menallen Township, **Adams County**.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Industrial Waste.

The receiving stream(s), Opossum Creek, is located in State Water Plan watershed 7-F and is classified for Trout Stocking, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 1.04 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | | <i>Concentration (mg/l)</i> | | |
|------------------------|------------------------|----------------------|----------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 6.0 | XXX | XXX | XXX |
| CBOD ₅ | | | | | | |
| May 1 - Oct 31 | 104 | 208 | XXX | 12 | 24 | 30 |
| Nov 1 - Apr 30 | 217 | 434 | XXX | 25 | 50 | 62.5 |
| Total Suspended Solids | 260 | 520 | XXX | 30 | 60 | 75 |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | 13 | 26 | XXX | 1.5 | 3.0 | 3.75 |
| Nov 1 - Apr 30 | 22 | 43 | XXX | 2.5 | 5.0 | 6.25 |
| Total Phosphorus | XXX | XXX | XXX | 2.0 | 4.0 | 5.0 |
| Total Dissolved Solids | Report | Report | XXX | Report | Report | XXX |
| Sulfate | Report | Report | XXX | Report | Report | XXX |
| Chloride | Report | Report | XXX | Report | Report | XXX |
| Bromide | Report | Report | XXX | Report | Report | XXX |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfall 001.

| <i>Parameters</i> | <i>Mass (lbs)</i> | | <i>Minimum</i> | <i>Concentration (mg/l)</i> | |
|----------------------|-------------------|---------------|----------------|-----------------------------|----------------|
| | <i>Monthly</i> | <i>Annual</i> | | <i>Monthly Average</i> | <i>Maximum</i> |
| Ammonia—N | Report | Report | XXX | Report | XXX |
| Kjeldahl—N | Report | XXX | XXX | Report | XXX |
| Nitrate-Nitrite as N | Report | XXX | XXX | Report | XXX |
| Total Nitrogen | Report | Report | XXX | Report | XXX |
| Total Phosphorus | Report | Report | XXX | Report | XXX |
| Net Total Nitrogen | Report | 18645 | XXX | XXX | XXX |
| Net Total Phosphorus | Report | 729 | XXX | XXX | XXX |

* This permit contains conditions which authorize the permittee to apply nutrient reduction credits to meet the Net Total Nitrogen and the Net Total Phosphorus effluent mass limits, under the Department's Chapter 96 regulations. The condition includes the requirement to report the application of these credits in Supplemental Discharge Monitoring Reports (DMRs) submitted to the Department. In addition, the permit contains the following major special conditions:

- Chesapeake Bay Requirements
- Chemical Additives

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is not in effect.

PA0248088 A-1, Sewage, SIC Code 4952, **Pennsylvania American Water Company**, 800 West Hersheypark Drive, Hershey, PA 17033. Facility Name: Cashtown-Mcknightstown STP. This existing facility is located in Franklin Township, **Adams County**.

Description of Existing Activity: The application is for an amendment of an NPDES permit for an existing discharge of treated Sewage.

The receiving stream, Unnamed Tributary to Marsh Creek, is located in State Water Plan watershed 13-D and is classified for Cold Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.200 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|-----------------------------|------------------------|----------------------|----------------|-----------------------------|-----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Weekly Average</i> | |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 5.0 | XXX | XXX | XXX |
| Total Residual Chlorine | XXX | XXX | XXX | 0.051 | XXX | 0.166 |
| CBOD ₅ | 41.7 | 66.7 | XXX | 25 | 40 | 50 |
| | | Wkly Avg | | | | |
| BOD ₅ | | | | | | |
| Raw Sewage Influent | Report | Report | XXX | Report | XXX | XXX |
| Total Suspended Solids | | | | | | |
| Raw Sewage Influent | Report | Report | XXX | Report | XXX | XXX |
| Total Suspended Solids | 50.0 | 75.1 | XXX | 30 | 45 | 60 |
| | | Wkly Avg | | | | |
| Fecal Coliform (CFU/100 ml) | | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 Geo Mean | XXX | 1,000 |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2000 Geo Mean | XXX | 10,000 |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | 4.2 | XXX | XXX | 2.5 | XXX | 5.0 |
| Nov 1 - Apr 30 | 12.5 | XXX | XXX | 7.5 | XXX | 15 |
| Total Phosphorus | Report | XXX | XXX | Report | XXX | XXX |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfall 001.

| <i>Parameters</i> | <i>Mass (lbs)</i> | | <i>Minimum</i> | <i>Concentration (mg/l)</i> | |
|----------------------|-------------------|---------------|----------------|-----------------------------|----------------|
| | <i>Monthly</i> | <i>Annual</i> | | <i>Monthly Average</i> | <i>Maximum</i> |
| Ammonia—N | Report | Report | XXX | Report | XXX |
| Kjeldahl—N | Report | XXX | XXX | Report | XXX |
| Nitrate-Nitrite as N | Report | XXX | XXX | Report | XXX |
| Total Nitrogen | Report | Report | XXX | Report | XXX |
| Total Phosphorus | Report | Report | XXX | Report | XXX |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is in effect.

PA0021644, Sewage, SIC Code 4952, **Dover Borough**, 46 Butter Road, Dover, PA 17315. Facility Name: Dover Borough Wastewater Treatment Plant. This existing facility is located in Dover Borough, **York County**.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.

The receiving stream, Fox Run, is located in State Water Plan watershed 7-F and is classified for Trout Stocking and Migratory Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.5 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | | <i>Concentration (mg/l)</i> | | <i>Instant. Maximum</i> |
|-------------------|------------------------|-----------------------|----------------|-----------------------------|-----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Weekly Average</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Weekly Average</i> | |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| | | Daily Max | | | | |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 5.0 | XXX | XXX | XXX |
| CBOD ₅ | | | | | | |
| May 1 - Oct 31 | 96 | 142 | XXX | 23 | 34 | 46 |
| Nov 1 - Apr 30 | 104 | 154 | XXX | 25 | 37 | 50 |

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | Instant. Maximum |
|------------------------------------|-----------------|---------------------|---------|----------------------|----------------|------------------|
| | Average Monthly | Weekly Average | Minimum | Average Monthly | Weekly Average | |
| BOD ₅ | | | | | | |
| Raw Sewage Influent | Report | Report Daily Max | XXX | Report | XXX | XXX |
| Total Suspended Solids | | | | | | |
| Raw Sewage Influent | Report | Report Daily Max | XXX | Report | XXX | XXX |
| Total Suspended Solids | 125 | 188 | XXX | 30 | 45 | 60 |
| Fecal Coliform (CFU/100 ml) | | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 Geo Mean | XXX | 1000 |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2000 Geo Mean | XXX | 10000 |
| UV Intensity (mW/cm ²) | XXX | XXX | Report | Report | XXX | XXX |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | 6.3 | XXX | XXX | 1.5 | XXX | 3.0 |
| Nov 1 - Apr 30 | 18.8 | XXX | XXX | 4.5 | XXX | 9.0 |
| Total Phosphorus | 8.3 | XXX | XXX | 2.0 | XXX | 4.0 |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfall 001.

| Parameters | Mass (lbs) | | Minimum | Concentration (mg/l) | |
|----------------------|------------|--------|---------|----------------------|---------|
| | Monthly | Annual | | Monthly Average | Maximum |
| Ammonia—N | Report | Report | XXX | Report | XXX |
| Kjeldahl—N | Report | XXX | XXX | Report | XXX |
| Nitrate-Nitrite as N | Report | XXX | XXX | Report | XXX |
| Total Nitrogen | Report | Report | XXX | Report | XXX |
| Total Phosphorus | Report | Report | XXX | Report | XXX |
| Net Total Nitrogen | Report | 7306 | XXX | XXX | XXX |
| Net Total Phosphorus | Report | 974 | XXX | XXX | XXX |

* This permit contains conditions which authorize the permittee to apply nutrient reduction credits to meet the Net Total Nitrogen and the Net Total Phosphorus effluent mass limits, under the Department's Chapter 96 regulations. The condition includes the requirement to report the application of these credits in Supplemental Discharge Monitoring Reports (DMRs) submitted to the Department.

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is not in effect.

PA0033774, Sewage, SIC Code 6515, **York Regent Acres LP**, 4775 N Sherman Street, Mt Wolf, PA 17347. Facility Name: Regent Acres MHP. This existing facility is located in Newberry Township, **York County**.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.

The receiving stream(s), UNT of Fishing Creek, is located in State Water Plan watershed 7-E and is classified for Trout Stocking, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.03 MGD.

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | Instant. Maximum |
|-----------------------------|-----------------|---------------|---------|----------------------|---------------|------------------|
| | Average Monthly | Daily Maximum | Minimum | Average Monthly | Daily Maximum | |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 5.0 | XXX | XXX | XXX |
| Total Residual Chlorine | XXX | XXX | XXX | 0.037 | XXX | 0.12 |
| CBOD ₅ | XXX | XXX | XXX | 15.0 | XXX | 30.0 |
| Total Suspended Solids | XXX | XXX | XXX | 30.0 | XXX | 60.0 |
| Fecal Coliform (CFU/100 ml) | | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 Geo Mean | XXX | 1,000 |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2,000 Geo Mean | XXX | 10,000 |
| Ammonia-Nitrogen | | | | | | |
| May 1 - Oct 31 | XXX | XXX | XXX | 1.5 | XXX | 3.0 |
| Nov 1 - Apr 30 | XXX | XXX | XXX | 4.5 | XXX | 9.0 |
| Total Phosphorus | XXX | XXX | XXX | 2.0 | XXX | 4.0 |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is in effect.

PA0008281, SIC Code 4911, **PPL Brunner Island LLC**, 2 N. 9th Street, Allentown, PA 18101-1139. Facility Name: PPL Brunner Island Power Station. This existing facility is located in East Manchester Township, **York County**.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated industrial effluents and non-contact cooling water.

The receiving streams, Susquehanna River, Conewago Creek and Hartman Run, are located in State Water Plan watershed 7-F, 7-G and 7-H and are classified for Warm Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 (non-contact cooling water) are based on a design flow of 795 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Concentration (mg/l)</i> | | |
|---------------------------------|------------------------|----------------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| Flow (MGD) | Report | Report | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 Min | XXX | 9.0 |
| Total Residual Oxidants | XXX | XXX | 0.2 | XXX | 0.2 |
| Temperature (°F) | | | | | |
| Intake | XXX | XXX | Report | Report | XXX |
| Temperature (°F) | XXX | XXX | Report | Report | 110 |
| Hourly Temperature Change (°F) | | | | | |
| Instream Monitoring | XXX | XXX | XXX | XXX | 2.0 |
| Heat Rejection Rate (MBTUs/day) | | | | | |
| Dec 1 - Feb 28 | XXX | 167,040 | XXX | XXX | XXX |
| Mar 1 - Apr 30, Nov 1-30 | XXX | 91,870 | XXX | XXX | XXX |
| May 1-31, Oct 1-31 | XXX | 83,520 | XXX | XXX | XXX |
| Jun 1 - Sep 30 | XXX | 75,170 | XXX | XXX | XXX |
| Trihalomethanes | XXX | XXX | Report | Report | XXX |

The proposed effluent limits for Outfall 002 (coal pile runoff and low volume wastes) are based on a design flow of 2.0 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Concentration (mg/l)</i> | | |
|------------------------|------------------------|----------------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| Flow (MGD) | Report | Report | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 Min | XXX | 9.0 |
| Oil and Grease | XXX | XXX | 15 | 20 | 30 |
| Total Suspended Solids | XXX | XXX | 30 | 50 | 50 |
| Total Aluminum | XXX | XXX | XXX | Report | XXX |
| Total Arsenic | XXX | XXX | XXX | Report | XXX |
| Total Boron | XXX | XXX | XXX | Report | XXX |
| Total Cadmium | XXX | XXX | XXX | Report | XXX |
| Total Chromium | XXX | XXX | XXX | Report | XXX |
| Total Copper | XXX | XXX | XXX | Report | XXX |
| Total Iron | XXX | XXX | XXX | Report | XXX |
| Total Lead | XXX | XXX | XXX | Report | XXX |
| Total Manganese | XXX | XXX | XXX | Report | XXX |
| Total Mercury | XXX | XXX | XXX | Report | XXX |
| Total Molybdenum | XXX | XXX | XXX | Report | XXX |
| Total Nickel | XXX | XXX | XXX | Report | XXX |
| Total Selenium | XXX | XXX | XXX | Report | XXX |
| Total Zinc | XXX | XXX | XXX | Report | XXX |

The proposed effluent limits for Outfall 003 (sewage effluent) are based on a design flow of 0.032 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Concentration (mg/l)</i> | | |
|-----------------------------|------------------------|----------------------|-----------------------------|------------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Instant. Maximum</i> |
| Flow (MGD) | Report | Report | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | 5.0 | XXX | XXX |
| Total Residual Chlorine | XXX | XXX | XXX | 0.5 | 1.0 |
| BOD ₅ | XXX | XXX | XXX | 25 | 50 |
| Total Suspended Solids | XXX | XXX | XXX | 30 | 60 |
| Fecal Coliform (CFU/100 ml) | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 | 1,000 |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2,000 | 10,000 |

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Minimum</i> | <i>Concentration (mg/l)</i> | |
|-------------------|------------------------|----------------------|----------------|-----------------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | | <i>Average Monthly</i> | <i>Instant. Maximum</i> |
| Ammonia-Nitrogen | XXX | XXX | XXX | Report | XXX |
| Total Phosphorus | XXX | XXX | XXX | 2.0 | XXX |

The proposed effluent limits for Outfall 004 (bottom ash transport water and low volume wastes) are based on a design flow of 4.8 MGD. These limits will remain in effect until closure of the Ash Basin No. 6.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Average Monthly</i> | <i>Concentration (mg/l)</i> | |
|------------------------|------------------------|----------------------|------------------------|-----------------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| Flow (MGD) | Report | Report | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 Min | XXX | 9.0 |
| Total Suspended Solids | XXX | XXX | 30 | 50 | 50 |
| Oil and Grease | XXX | XXX | 15 | 20 | 30 |
| Total Aluminum | XXX | XXX | XXX | Report | XXX |
| Total Arsenic | XXX | XXX | XXX | Report | XXX |
| Total Boron | XXX | XXX | XXX | Report | XXX |
| Total Cadmium | XXX | XXX | XXX | Report | XXX |
| Total Chromium | XXX | XXX | XXX | Report | XXX |
| Total Copper | XXX | XXX | XXX | Report | XXX |
| Total Iron | XXX | XXX | XXX | Report | XXX |
| Total Lead | XXX | XXX | XXX | Report | XXX |
| Total Manganese | XXX | XXX | XXX | Report | XXX |
| Total Mercury | XXX | XXX | XXX | Report | XXX |
| Total Molybdenum | XXX | XXX | XXX | Report | XXX |
| Total Nickel | XXX | XXX | XXX | Report | XXX |
| Total Selenium | XXX | XXX | XXX | Report | XXX |
| Total Zinc | XXX | XXX | XXX | Report | XXX |

The proposed effluent limits for Outfall 005 (bottom ash transport water, low volume wastes and landfill leachate) are based on a design flow of 5.5 MGD.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Average Monthly</i> | <i>Concentration (mg/l)</i> | |
|------------------------|------------------------|----------------------|------------------------|-----------------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| Flow (MGD) | Report | Report | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 Min | XXX | 9.0 |
| Oil and Grease | 688 | 917 | 15 | 20 | 30 |
| Total Suspended Solids | 1,376 | 2,294 | 30 | 50 | 50 |
| Total Aluminum | 13.3 | 26.6 | 0.29 | 0.58 | 0.73 |
| Total Arsenic | 0.275 | 0.55 | 0.006 | 0.012 | 0.015 |
| Total Boron | 9.2 | 18.4 | 0.2 | 0.4 | 0.5 |
| Total Cadmium | 0.0092 | 0.0184 | 0.0002 | 0.0004 | 0.0005 |
| Total Chromium | 0.092 | 0.184 | 0.002 | 0.004 | 0.005 |
| Total Copper | 0.183 | 0.367 | 0.004 | 0.008 | 0.010 |
| Total Iron | 12.4 | 24.8 | 0.27 | 0.54 | 0.68 |
| Total Lead | 0.046 | 0.092 | 0.001 | 0.002 | 0.0025 |
| Total Manganese | XXX | XXX | XXX | Report | XXX |
| Total Mercury | 0.00021 | 0.00042 | 0.0000046 | 0.0000092 | 0.0000115 |
| Total Molybdenum | 0.46 | 0.92 | 0.01 | 0.02 | 0.025 |
| Total Nickel | 0.46 | 0.92 | 0.01 | 0.02 | 0.025 |
| Total Selenium | 0.092 | 0.184 | 0.002 | 0.004 | 0.005 |
| Total Zinc | 0.69 | 1.38 | 0.015 | 0.030 | 0.038 |

The proposed effluent limits for Internal Monitoring Point (IMP) 501 (metal cleaning waste rinses) are as follows.

| <i>Parameters</i> | <i>Mass (lb/day)</i> | | <i>Average Monthly</i> | <i>Concentration (mg/l)</i> | |
|------------------------|------------------------|----------------------|------------------------|-----------------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| Flow (MGD) | Report | Report | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 Min | XXX | 9.0 |
| Total Suspended Solids | XXX | XXX | 30 | 100 | XXX |
| Oil and Grease | XXX | XXX | 15 | 20 | 30 |
| Total Copper | XXX | XXX | 1.0 | 1.0 | XXX |
| Total Iron | XXX | XXX | 1.0 | 1.0 | XXX |

The proposed effluent limits for Outfall 007 (flue gas desulfurization wastewater) are based on a design flow of 0.52 MGD.

| Parameters | Mass (lb/day) | | Concentration (mg/l) | | |
|-------------------------------|--------------------|---------------------|----------------------|---------------|------------------|
| | Average Monthly | Daily Maximum | Average Monthly | Daily Maximum | Instant. Maximum |
| Flow (MGD) | Report | Report | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 Min | XXX | 9.0 |
| Oil and Grease | 65 | 86.7 | 15 | 20 | 30 |
| Total Suspended Solids | 130 | 434 | 30 | 100 | 100 |
| Total Aluminum | 1.73 | 3.46 | 0.4 | 0.8 | 1.0 |
| Total Arsenic | 0.087 | 0.173 | 0.02 | 0.04 | 0.05 |
| Total Cadmium | 0.074 | 0.148 | 0.017 | 0.034 | 0.043 |
| Total Chromium | 0.364 | 0.728 | 0.084 | 0.168 | 0.21 |
| Total Copper | 0.065 | 0.13 | 0.015 | 0.030 | 0.038 |
| Total Mercury | 0.0082 | 0.0164 | 0.00189 | 0.00378 | 0.00473 |
| Total Molybdenum | 0.26 | 0.52 | 0.06 | 0.12 | 0.15 |
| Total Nickel | 3.4 | 6.8 | 0.78 | 1.56 | 1.95 |
| Total Selenium | 5.2 | 10.4 | 1.2 | 2.4 | 3.0 |
| Total Thallium | 0.022 | 0.044 | 0.005 | 0.01 | 0.013 |
| Total Zinc | 0.178 | 0.356 | 0.041 | 0.082 | 0.103 |
| Total Dissolved Solids | XXX | XXX | Report | Report | XXX |
| Chloride | XXX | XXX | Report | Report | XXX |
| Bromide | XXX | XXX | Report | Report | XXX |
| Sulfate | XXX | XXX | Report | Report | XXX |
| Fluoride | XXX | XXX | Report | Report | XXX |
| Total Antimony | XXX | XXX | Report | Report | XXX |
| Total Boron | XXX | XXX | Report | Report | XXX |
| Total Iron | XXX | XXX | Report | Report | XXX |
| Total Lead | XXX | XXX | Report | Report | XXX |
| Total Manganese | XXX | XXX | Report | Report | XXX |
| Ammonia-N | Report | Report | Report | XXX | XXX |
| Total Kjeldahl Nitrogen (TKN) | Total Mo Report | Total Annual XXX | Report | XXX | XXX |
| Nitrate-Nitrite as N | Total Mo Report | XXX | Report | XXX | XXX |
| Total Nitrogen | Total Mo Report | Report | Report | XXX | XXX |
| Total Nitrogen Intake | Total Mo Report | XXX | Report | XXX | XXX |
| Total Phosphorus | Total Mo Report | Report | Report | XXX | XXX |
| Total Phosphorus Intake | Total Mo Report | XXX | Report | XXX | XXX |
| Net Total Nitrogen | Total Mo Report | 0 | XXX | XXX | XXX |
| Net Total Phosphorus | Total Mo Report | 0 | XXX | XXX | XXX |

Outfalls 006, 013, 014, 015 and 026 (stormwater outfalls) will be monitored for pH, Oil and Grease, Total Aluminum, Total Arsenic, Total Boron, Total Cadmium, Total Chromium, Total Copper, Total Iron, Total Lead, Total Manganese, Total Mercury, Total Molybdenum, Total Nickel, Total Selenium, and Total Zinc.

In addition, the permit contains the following major special conditions:

- 316(a) variance with temperature and biological monitoring requirements for Outfall 001
- 316(b) requirements for cooling water intake structures
- Chesapeake Bay requirements for Outfall 007

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is not in effect.

Northcentral Region: Clean Water Program Manager, 208 West Third Street, Williamsport, PA 17701

PA0232505, Sewage, SIC Code 4952, **Brady Township Clearfield County**, 3906 Shamokin Trail, Luthersburg, PA 15848. Facility Name: Brady Township STP. This proposed facility is located in Brady Township, **Clearfield County**.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated Sewage.

The receiving stream(s), Unnamed Tributary to Luthersburg Branch, is located in State Water Plan watershed 17-C and is classified for Cold Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.04 MGD.

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | Instant. Maximum |
|-----------------------------|-----------------|---------------|---------|----------------------|-----|------------------|
| | Average Monthly | Daily Maximum | Minimum | Average Monthly | | |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Total Residual Chlorine | XXX | XXX | XXX | 0.5 | XXX | 1.6 |
| CBOD ₅ | 8.3 | XXX | XXX | 25 | XXX | 50 |
| BOD ₅ | | | | | | |
| Raw Sewage Influent | Report | Report | XXX | Report | XXX | XXX |
| Total Suspended Solids | | | | | | |
| Raw Sewage Influent | Report | Report | XXX | Report | XXX | XXX |
| Total Suspended Solids | 10 | XXX | XXX | 30 | XXX | 60 |
| Fecal Coliform (CFU/100 ml) | | | | | | |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 | XXX | 1,000 |
| | | | | Geo Mean | | |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2,000 | XXX | 10,000 |
| | | | | Geo Mean | | |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 570-327-3693.

The EPA Waiver is in effect.

Northwest Region: Clean Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481

PA0239500, Sewage, SIC Code 4952, 8811, **Spellman Richard L**, 2200 Brickyard Road, North East, PA 16428. Facility Name: Richard L Spellman SRSTP. This proposed facility is located in North East Township, **Erie County**.

Description of Proposed Activity: The application is for a new NPDES permit for an existing discharge of treated sewage.

The receiving stream is an unnamed tributary to Twelvemile Creek, located in State Water Plan watershed 15-A and classified for High Quality Waters—Cold Water Fishes and, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0005 MGD.

| Parameters | Mass (lb/day) | | | Concentration (mg/l) | | Instant. Maximum |
|-----------------------------|-----------------|-----|---------|----------------------|-----|------------------|
| | Average Monthly | | Minimum | Average Monthly | | |
| Flow (MGD) | Report | XXX | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Total Residual Chlorine | XXX | XXX | XXX | Report | XXX | XXX |
| BOD ₅ | XXX | XXX | XXX | 10 | XXX | 20 |
| Total Suspended Solids | XXX | XXX | XXX | 10 | XXX | 20 |
| Fecal Coliform (CFU/100 ml) | XXX | XXX | XXX | 200 | XXX | XXX |
| | | | | Geo Mean | | |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.

The EPA Waiver is in effect.

PA0272761, Storm Water, SIC Code 2421, **ITL Corporation**, 23925 Commerce Park Boulevard, Beachwood, OH 44122. Facility Name: Industrial Timber & Lumber Marienville Facility. This proposed facility is located in Jenks Township, **Forest County**.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of Storm Water runoff from a sawmill.

The receiving streams, an Unnamed Tributary to the Salmon Creek and an Unnamed Tributary to the Maple Creek, are located in State Water Plan watersheds 16-F and 17-B and are classified for High Quality Waters—Cold Water Fishes, aquatic life, water supply and recreation. The discharges are not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.000000 MGD.

| <i>Parameters</i> | <i>Mass (lbs/day)</i> | | | <i>Concentration (mg/l)</i> | | |
|------------------------|------------------------|----------------------|----------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Chemical Oxygen Demand | XXX | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | XXX | XXX | XXX | Report | XXX | XXX |

The proposed effluent limits for Outfall 002 are based on a design flow of 0.000000 MGD.

| <i>Parameters</i> | <i>Mass (lbs/day)</i> | | | <i>Concentration (mg/l)</i> | | |
|------------------------|------------------------|----------------------|----------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Chemical Oxygen Demand | XXX | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | XXX | XXX | XXX | Report | XXX | XXX |

The proposed effluent limits for Outfall 003 are based on a design flow of 0.000000 MGD.

| <i>Parameters</i> | <i>Mass (lbs/day)</i> | | | <i>Concentration (mg/l)</i> | | |
|------------------------|------------------------|----------------------|----------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Chemical Oxygen Demand | XXX | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | XXX | XXX | XXX | Report | XXX | XXX |

The proposed effluent limits for Outfall 004 are based on a design flow of 0.000000 MGD.

| <i>Parameters</i> | <i>Mass (lbs/day)</i> | | | <i>Concentration (mg/l)</i> | | |
|------------------------|------------------------|----------------------|----------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Chemical Oxygen Demand | XXX | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | XXX | XXX | XXX | Report | XXX | XXX |

The proposed effluent limits for Outfall 007 are based on a design flow of 0.000000 MGD.

| <i>Parameters</i> | <i>Mass (lbs/day)</i> | | | <i>Concentration (mg/l)</i> | | |
|------------------------|------------------------|----------------------|----------------|-----------------------------|----------------------|-------------------------|
| | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Minimum</i> | <i>Average Monthly</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Chemical Oxygen Demand | XXX | XXX | XXX | Report | XXX | XXX |
| Total Suspended Solids | XXX | XXX | XXX | Report | XXX | XXX |

In addition, the permit contains the following major special conditions:

- Requirement to Use eDMR System
- Requirements Applicable to Stormwater Outfalls

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.

The EPA Waiver is in effect.

III. WQM Industrial Waste and Sewerage Applications under The Clean Streams Law

IV. NPDES Applications for Stormwater Discharges from MS4

Southwest Regional Office: Regional Clean Water Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745, Telephone: 412.442.4000.

PAI136104, MS4, White Oak Borough Allegheny County, 2280 Lincoln Way, White Oak, PA 15131-2408. The application is for a renewal of an individual NPDES permit for the discharge of stormwater from a regulated municipal separate storm sewer system (MS4) to waters of the Commonwealth in White Oak Borough, **Allegheny County**. The receiving stream(s), Crooked Run, Jacks Run, Long Run and Youghioghney River, is located in State Water Plan watershed 19-A and 19-D and is classified for Trout Stocking, High Quality Waters—Trout Stocking and Warm Water Fishes, aquatic life, water supply and recreation.

The Department has made a tentative determination to issue the NPDES permit. Written comments on the application and draft permit will be accepted for 30 days following publication of this notice. The period for comment may be extended at the discretion of DEP for one additional 15-day period. You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 412-442-4000.

The EPA waiver is in not effect.

V. Applications for NPDES Waiver Stormwater Discharges from MS4

VI. NPDES Individual Permit Applications for Discharges of Stormwater Associated with Construction Activities

Southeast Region: Water Management Program Manager, 2 East Main Street, Norristown, PA 19401

| <i>NPDES Permit No.</i> | <i>Applicant Name & Address</i> | <i>County</i> | <i>Municipality</i> | <i>Receiving Water/Use</i> |
|-------------------------|---|---------------|-------------------------|--|
| PAI01 1514007 | East Whiteland Township 209 Conestoga Road Frazer, PA 19335 | Chester | East Whiteland Township | Unnamed Tributary to Valley Creek EV |
| PAI01 1514008 | Upper Uwchlan Township 140 Pottstown Pike Chester Springs, PA 19425 | Chester | Upper Uwchlan Township | Unnamed Tributary to Marsh Creek HQ—TSF—MF |

Southcentral Region: Waterways & Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110-8200, Nathan Crawford, Section Chief, 717.705.4802.

| <i>Permit #</i> | <i>Applicant Name & Address</i> | <i>County</i> | <i>Municipality</i> | <i>Receiving Water/Use</i> |
|-----------------|--|---------------|---------------------|--------------------------------|
| PAI032814001 | Chambersburg Area School District | Franklin | Chambersburg Boro | Falling Spring Branch (HQ-CWF) |
| PAI033612009(1) | Andrew Maines-Welsh Mountain Home 567 Springville Road New Holland, PA 17557 | Lancaster | Salisbury Twp | UNT Richardson Run (HQ-CWF) |

Northcentral Region: Waterways & Wetlands Program Manager, 208 West Third Street, Williamsport, PA 17701

Centre County Conservation District: 414 Holmes Avenue, Suite 4, Bellefonte, PA 16823, (814) 355-6817

| <i>NPDES Permit No.</i> | <i>Applicant Name & Address</i> | <i>County</i> | <i>Municipality</i> | <i>Receiving Water/Use</i> |
|-------------------------|---|---------------|-----------------------|----------------------------|
| PAI041403017(4) | Penn State Univ—OPP 106A Physical Plant Bldg University Park PA 16803 | Centre | State College Borough | Thompson Run HQ |

VII. List of NOIs for NPDES and/or Other General Permit Types

PAG-12 CAFOs

CAFO Notices of Intent Received

Southcentral Region: Clean Water Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Telephone: 717-705-4707.

PAG123551, CAFO, Eugene Weiler, Weiler Farm #2, 350 East Mill Avenue, Myerstown, PA 17067.

This proposed facility is located in South Londonderry Township, **Lebanon County**.

Description of Size and Scope of Proposed Operation/Activity: a 1250 AEU new poultry (broiler) and existing swine operation.

The receiving stream, UNT Little Conewago Creek, is in watershed 7-G, and classified for: TSF.

The proposed effluent limits for the operation/activity include: Except for the chronic or catastrophic rainfall events defined as over the 25-year/24-hour rain storms, the CAFO general permit is a non-discharge NPDES permit. Where applicable, compliance with 40 CFR federal effluent limitation guidelines is required. The general permit requires no other numeric effluent limitations and compliance with the Pennsylvania Nutrient Management Act and the Clean Stream Law constitutes compliance with the state narrative water quality standards.

STATE CONSERVATION COMMISSION

PROPOSED NUTRIENT MANAGEMENT PLANS RELATED TO APPLICATIONS FOR NPDES PERMITS FOR CAFOs

This notice provides information about agricultural operations that have submitted nutrient management plans (NMPs) for approval under 3 Pa.C.S. Chapter 5 and that have or anticipate submitting applications for new, amended or renewed NPDES permits, or Notices of Intent (NOIs) for coverage under a general permit, for CAFOs, under 25 Pa. Code Chapter 92a. This notice is provided in accordance with 25 Pa. Code Chapter 92a and 40 CFR Part 122, implementing The Clean Streams Law and the Federal Clean Water Act.

Based upon preliminary reviews, the State Conservation Commission (SCC) or County Conservation Districts (CCD) working under a delegation agreement with the SCC have completed an administrative review of NMPs described. These NMPs are published as proposed plans for comment prior to taking final actions. The NMPs are available for review at

the CCD office for the county where the agricultural operation is located. A list of CCD office locations is available at <http://www.nacdnet.org/about/districts/directory/pa.phtml> or can be obtained from the SCC at the office address listed or by calling (717) 787-8821.

Persons wishing to comment on an NMP are invited to submit a statement outlining their comments on the plan to the CCD, with a copy to the SCC for each NMP, within 30 days from the date of this public notice. Comments received within the respective comment periods will be considered in the final determinations regarding the NMPs. Comments should include the name, address and telephone number of the writer and a concise statement to inform the SCC of the exact basis of the comments and the relevant facts upon which they are based. Comments should be sent to the SCC, Agriculture Building, Room 310, 2301 North Cameron Street, Harrisburg, PA 17110.

Persons with a disability who require an auxiliary aid, service, including TDD users or other accommodations to seek additional information should contact the SCC through the Pennsylvania AT&T Relay Service at (800) 654-5984.

**APPLICATIONS
NUTRIENT MANAGEMENT PLAN—PUBLIC NOTICE SPREADSHEET**

| <i>Agricultural Operation Name and Address</i> | <i>County</i> | <i>Total Acres</i> | <i>Animal Equivalent Units</i> | <i>Animal Type</i> | <i>Special Protection Waters (HQ or EV or NA)</i> | <i>Renewal/ New</i> |
|--|---------------|--------------------|--------------------------------|--------------------|---|---------------------|
| Noah W. Kreider & Sons Manheim Facility 1461 Lancaster Road Manheim, PA 17545 | Lancaster | 1,700 | 14,748.05 | Dairy/Layers | NA | Renewal |
| David and Cathy Reifsneider 2596 New Bridgeville Road Felton, PA 17322 | York | 13.1 | 366.67 | Broiler | NA | Renewal |

**PUBLIC WATER SUPPLY (PWS)
PERMITS**

Under the Pennsylvania Safe Drinking Water Act (35 P. S. §§ 721.1—721.17), the following parties have applied for PWS permits to construct or substantially modify public water systems.

Persons wishing to comment on permit applications are invited to submit statements to the office listed before the application within 30 days of this public notice. Comments received within this 30-day comment period will be considered in the formulation of the final determinations regarding an application. A comment should include the name, address and telephone number of the writer and a concise statement to inform the Department of the exact basis of a comment and the relevant facts upon which it is based. A public hearing may be held after consideration of comments received during the 30-day public comment period.

Following the comment period, the Department will make a final determination regarding the proposed permit. Notice of this final determination will be published in the *Pennsylvania Bulletin* at which time this determination may be appealed to the Environmental Hearing Board.

The permit application and related documents are on file at the office listed before the application and available for public review. Arrangements for inspection and copying information should be made with the office listed before the application.

Persons with a disability that require an auxiliary aid, service or other accommodations to participate during the 30-day public comment period should contact the office listed before the application. TDD users may contact the Department through the Pennsylvania AT&T Relay Service at (800) 654-5984.

SAFE DRINKING WATER

Applications Received Under the Pennsylvania Safe Drinking Water Act

Southeast Region: Safe Drinking Water Program Manager, 2 East Main Street, Norristown, PA 19401

| | |
|---------------------------|---|
| Permit No. 1514509 | Public Water Supply |
| Applicant | Ashwood Apartments |
| City | Chester |
| Township | North Coventry |
| Responsible Official | Willaim Malenke 782 Worth Boulevard Pottstown, PA 19465 |
| Type of Facility | PWS |
| Consulting Engineer | Berks Surveying & Engineering, Inc. Bruce Rader, P.E. 311 East Main Street Fleetwood, PA 19522 |
| Application Received Date | 04/23/2014 |
| Description of Action | Permitting a community water system at an existing apartment complex. |

Northeast Region: Safe Drinking Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915

| | |
|--------------------------------|--|
| Application No. 3914502 | Public Water Supply. |
| Applicant | City of Allentown 641 S. 10th St., 3rd Floor Allentown, Pa 18103-3173 |

[Township or Borough] City of Allentown,
Lehigh County

Responsible Official Craig Messinger
City of Allentown
641 S. 10th St., 3rd Floor
Allentown, Pa 18103-3173

Type of Facility PWS

Consulting Engineer Philip M. DePoe, PE
Lehigh County Authority
1053 Spruce St.
P.O. Box 3348
Allentown, Pa 18106

Application Received Date 5/5/2014

Description of Action The applicant has proposed modifications to the booster pumps utilized at the existing 16th Ward Booster Station.

Description of Action Upgrades to the Hanover Water Treatment Plant including new flow meters, valves, rapid mixer, pumps, analyzers, a Supervisory Control and Data Acquisition (SCADA), chemical building, piping, backwash recycle system, filter rehabilitation and upgrades and improvements to electrical and security systems.

LAND RECYCLING AND ENVIRONMENTAL REMEDIATION

UNDER ACT 2, 1995 PREAMBLE 1

Acknowledgment of Notices of Intent to Remediate Submitted under the Land Recycling and Environmental Remediation Standards Act (35 P. S. §§ 6026.101—6026.907)

Southcentral Region: Safe Drinking Water Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110

Permit No. 2214501, Public Water Supply.

Applicant **United Water Pennsylvania**

Municipality Lower Paxton Township

County **Dauphin**

Responsible Official John D. Hollenbach,
Vice President
4211 East Park Circle
Harrisburg, PA 17111-0151

Type of Facility Public Water Supply

Consulting Engineer Arthur C. Saunders, P.E.
United Water Pennsylvania
4211 East Park Circle
Harrisburg, PA 17111

Application Received: 4/11/2014

Description of Action Installation of the Colonial Road Booster Station to serve the Estates of Autumn Oaks subdivision.

Permit No. 0114504, Public Water Supply.

Applicant **Hanover Municipal Water Works**

Municipality Conewago Township

County **Adams**

Responsible Official Barbara Krebs,
Borough Manager
44 Frederick Street
Hanover, PA 17331

Type of Facility Public Water Supply

Consulting Engineer Timothy J. Glessner, P.E.
Gannett Fleming, Inc.
PO Box 67100
Harrisburg, PA 17106-7100

Application Received: 4/16/2014

Sections 302—305 of the Land Recycling and Environmental Remediation Standards Act (act) (35 P. S. §§ 6026.302—6026.305) require the Department to publish in the *Pennsylvania Bulletin* an acknowledgment noting receipt of Notices of Intent to Remediate. An acknowledgment of the receipt of a Notice of Intent to Remediate is used to identify a site where a person proposes to, or has been required to, respond to a release of a regulated substance at a site. A person intending to use the background standard, Statewide health standard, the site-specific standard or intend to remediate a site as a special industrial area shall file a Notice of Intent to Remediate with the Department. A Notice of Intent to Remediate filed with the Department provides a brief description of the location of the site, a list of known or suspected contaminants at the site, the proposed remediation measures for the site and a description of the intended future use of the site. A person who demonstrates attainment of one or a combination of cleanup standards or receives approval of a special industrial area remediation identified under the act will be relieved of further liability for the remediation of the site for contamination identified in reports submitted to and approved by the Department. Furthermore, the person shall not be subject to citizen suits or other contribution actions brought by responsible persons not participating in the remediation.

Under sections 304(n)(1)(ii) and 305(c)(2) of the act, there is a 30-day public and municipal comment period for sites proposed for remediation using a site-specific standard, in whole or in part, and for sites remediated as a special industrial area. This period begins when a summary of the Notice of Intent to Remediate is published in a newspaper of general circulation in the area of the site. For the following site, proposed for remediation to a site-specific standard or as a special industrial area, the municipality, within which the site is located, may request to be involved in the development of the remediation and reuse plans for the site if the request is made within 30 days of the date specified as follows. During this comment period, the municipality may request that the person identified as the remediator of the site develop and implement a public involvement plan. Requests to be involved and comments should be directed to the remediator of the site.

For further information concerning the content of a Notice of Intent to Remediate, contact the environmental cleanup program manager in the Department regional

office listed before the notice. If information concerning this acknowledgment is required in an alternative form, contact the community relations coordinator at the appropriate regional office. TDD users may telephone the Department through the AT&T Relay Service at (800) 654-5984.

The Department has received the following Notices of Intent to Remediate:

Southcentral Region: Environmental Cleanup and Brownfields Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone 717.705.4705.

CVS Store 1654, 1700-1720 North George Street, York, PA 17404, Manchester Township, **York County**. ECS Mid-Atlantic, LLC, 56 Grumbacher Road, Suite D, York, PA 17406, on behalf of JC Bar Properties, Inc., 415 Fallowfield Road, Suite 301, Camp Hill, PA 17011, submitted a Notice of Intent to Remediate site soils contaminated with heating oil from an underground storage tank. The site will be remediated to the Residential Statewide Health standard. Future use of the site is a retail drug store. The Notice of Intent to Remediate was published in the *York Dispatch / York Daily Record* on March 17, 2014.

Southwest Region: Environmental Cleanup & Brownfield Development Program Manager, 400 Waterfront Drive, Pittsburgh, Pa 15222-4745

Lawrenceville Willow Street Site (formerly Phoenix Rolls Works and Blawnox Roll Company; Mill Equipment & Engineering Corporation), 115 41st Street, City of Pittsburgh/Willow at 40th Street, **Allegheny County**. Civil & Environmental Consultants, Inc., 333 Baldwin Road, Pittsburgh, PA 15205 on behalf of Fort Willow Developers, L.P., 921 Beaver street, Sewickley, 15143 has submitted a Notice of Intent to Remediate concerning: site soils contaminated with arsenic, lead, nickel, manganese, benzo(a)pyrene; and site groundwater contaminated with chlorinated compounds. Future use of the property is both residential and non-residential. Notice of the NIR was published in the *Tribune-Review* on April 21, 2014.

MUNICIPAL WASTE GENERAL PERMIT

Application(s) Received Under the Solid Waste Management Act (35 P. S. §§ 6018.101—6018.1003); the Municipal Waste Planning, Recycling and Waste Reduction Act (53 P. S. §§ 4000.101—4000.1904); and Municipal Waste Regulations for a General Permit to Operate Municipal Waste Processing Facilities and the Beneficial Use of Municipal Waste.

Central Office: Division of Municipal and Residual Waste, Rachel Carson State Office Building, 14th Floor, 400 Market Street, Harrisburg, PA 17106-9170.

General Permit Application Number WMGM051. Buerk Septic Service, 1039 Brusselles Street, St. Marys, PA 15857, in **Elk County**. The general permit would allow the temporary storage and gravity separation, at this location, of residential septage prior to transferring the septage offsite for further processing and land application. The application was determined to be administratively complete on April 7, 2014.

Written comments concerning the application should be directed to Scott E. Walters, Chief, Permits Section, Division of Municipal and Residual Waste, Bureau of Waste Management, P.O. Box 69170, Harrisburg, PA 17106-9170. TDD users may contact the Department through the Pennsylvania Relay service, (800) 654-5984.

Comments may also be submitted via e-mail at rapbenuseall@pa.gov. When submitting comment via e-mail, place "Comments on General Permit Number WMGM051" in the subject line. Faxed comments will not be accepted. Public comments must be submitted within 60 days of this notice and may recommend revisions to, and approval or denial of the application. For more information, contact the Division of Municipal and Residual Waste at 717-787-7381.

RESIDUAL WASTE GENERAL PERMITS

Application Received for Determination of Applicability under the Solid Waste Management Act, the Municipal Waste Planning, Recycling and Waste Reduction Act and Residual Waste Regulations for a General Permit to Operate Residual Waste Processing Facilities and the Beneficial Use of Residual Waste other than Coal Ash.

Central Office: Division of Municipal and Residual Waste, Rachel Carson State Office Building, 14th Floor, 400 Market Street, Harrisburg, PA 17105-8472.

General Permit Application No. WMGR094D001. Keystone Cement Company, Route 329, Bath, PA 18114, in **Northampton County**. General Permit Application No. WMGR094 authorizes the beneficial use of cement kiln dust as a subgrade stabilizer in road construction, and as fill material for road and embankment construction. The Department has deemed the application for renewal to be administratively complete on April 15, 2014.

Written comments concerning the renewal application should be directed to Scott E. Walters, Chief, Permits Section, Division of Municipal and Residual Waste, Bureau of Waste Management, P.O. Box 69170, Harrisburg, PA 17106-9170. TDD users may contact the Department through the Pennsylvania Relay service, (800) 654-5984. Comments may also be submitted via e-mail at rapbenuseall@pa.gov. When submitting comment via e-mail, place "Comments on General Permit Number WMGR094D001" in the subject line. Faxed comments will not be accepted. Public comments must be submitted within 60 days of this notice and may recommend revisions to, and approval or denial of the application.

OPERATE WASTE PROCESSING OR DISPOSAL AREA OR SITE

Application Received Under the Solid Waste Management Act, the Municipal Waste Planning, Recycling and Waste Reduction Act and Regulations to Operate Solid Waste Processing or Disposal Area or Site.

Southeast Region: Regional Solid Waste Manager, 2 East Main Street, Norristown, PA 19401

Permit Application No. 101390. Waste Management of Pennsylvania, Inc., 400 Progress Drive, Telford PA 18969, This application is for a 10-year permit renewal of the solid waste permit No. 101390 to continue to operate at the Indian Valley Transfer Station, a municipal waste transfer facility located in Hilltown Township, **Bucks County**. The application was received by the Southeast Regional Office on April 28, 2014.

AIR QUALITY

PLAN APPROVAL AND OPERATING PERMIT APPLICATIONS

NEW SOURCES AND MODIFICATIONS

The Department has developed an "integrated" plan approval, State Operating Permit and Title V Operating Permit program. This integrated approach is designed to make the permitting process more efficient for the Department, the regulated community and the public. This approach allows the owner or operator of a facility to complete and submit permitting documents relevant to its application one time, affords an opportunity for public input and provides for sequential issuance of the necessary permits.

The Department received applications for Plan Approvals or Operating Permits from the following facilities.

Copies of these applications, subsequently prepared draft permits, review summaries and other support materials are available for review in the regional office listed before the applications. Persons interested in reviewing the application files should contact the appropriate regional office to schedule appointments.

Persons wishing to receive a copy of a proposed Plan Approval or Operating Permit shall indicate interests to the Department regional office within 30 days of the date of this notice and shall file protests or comments on a proposed Plan Approval or Operating Permit within 30 days of the Department providing a copy of the proposed documents to persons or within 30 days of its publication in the *Pennsylvania Bulletin*, whichever comes first. Interested persons may also request that hearings be held concerning a proposed Plan Approval or Operating Permit. A comment or protest filed with the Department regional office shall include a concise statement of the objections to the issuance of the Plan Approval or Operating Permit and relevant facts which serve as the basis for the objections. If the Department schedules a hearing, a notice will be published in the *Pennsylvania Bulletin* at least 30 days prior the date of the hearing.

Persons with a disability who wish to comment and require an auxiliary aid, service or other accommodation to participate should contact the regional office listed before the application. TDD users may contact the Department through the Pennsylvania AT&T Relay Service at (800) 654-5984.

Final Plan Approvals and Operating Permits will contain terms and conditions to ensure that the source is constructed and operating in compliance with applicable requirements in 25 Pa. Code Chapters 121—143, the Federal Clean Air Act (42 U.S.C.A. §§ 7401—7671q) and regulations adopted under the Federal Clean Air Act.

PLAN APPROVALS

Plan Approval Applications Received under the Air Pollution Control Act (35 P. S. §§ 4001—4015) and 25 Pa. Code Chapter 127, Subchapter B that may have special public interest. These applications are in review and no decision on disposition has been reached.

Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

Contact: M. Gorog & B. Hatch, Environmental Engineer Managers—Telephone: 412-442-4163/5226

04-00740A: Shell Chemical Appalachia, LLC (910 Louisiana Street, Houston, TX 77002) for manufacturing of ethylene and polyethylene at their Shell Chemical Appalachia Petrochemicals Complex in Potter Township, **Beaver County**. This is a major Plan Approval application submittal.

Intent to Issue Plan Approvals and Intent to Issue or Amend Operating Permits under the Air Pollution Control Act and 25 Pa. Code Chapter 127, Subchapter B. These actions may include the administrative amendments of an associated operating permit.

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110

Contact: Thomas J. Hanlon, Facility Permitting Chief—Telephone: 717-705-4862 or William Weaver, Regional Air Quality Manager, Telephone: 717-705-4702.

06-05069V: East Penn Manufacturing Co., Inc. (P. O. Box 147, Lyon Station, PA 19536) for modifying the Industrial Facility production lines at the lead-acid battery assembly plant located in Richmond Township, **Berks County**.

In accordance with 25 Pa. Code §§ 127.44(a) and 127.45(a), the Department of Environmental Protection (DEP) has received an application and intends to issue a Plan Approval to the abovementioned company for the abovementioned project. This plan approval may be incorporated into the company's facility-wide permit via an administrative amendment at a later date. This notice is a correction to a notice for the same proposed action published in last week's *Pennsylvania Bulletin*. The expected actual air emissions of HAP for the proposed project in that notice were listed as 29.5 tpy. The notice should instead have said that the expected actual air emissions of H₂S₀₄ for the proposed project were 29.5 tpy.

Northcentral Region: Air Quality Program, 208 West Third Street, Williamsport, PA 17701

Contact: Muhammad Q. Zaman, Environmental Program Manager—Telephone: 570-327-3648

19-00007A: Transcontinental Gas Pipe Line Company, LLC. (PO Box 1396, Houston, TX 77251-1396) has submitted an application to the Pennsylvania Department of Environmental Protection for plan approval to construct one Solar Titan 250S turbine rated at 30,000 ISO horsepower controlled by an oxidation catalyst, one Solar Mars 100S turbine rated at 16,000 ISO horsepower controlled by an oxidation catalyst, one emergency generator powered by a 1175 horsepower engine, and the ancillary piping components needed to install the proposed sources at their natural gas compression facility in Jackson Township, **Columbia County**. All proposed sources are natural gas-fired. This application is subject to the Prevention of Significant Deterioration (PSD) of Air Quality regulations of 40 CFR 52.21 and the Best Available Technology (BAT) requirements of 25 Pa. Code §§ 127.1 and 127.12. The facility's greenhouse gas emissions are subject to the PSD requirements. The Department has determined that the proposed levels of the air contaminants emissions satisfy best available control technology (BACT) as well as the Department's BAT requirements.

The proposed sources are also subject to the following Standards of Performance for New Stationary Sources (NSPS): 40 CFR Part 60 Subpart KKKK—Standards of

Performance for Industrial-Commercial-Institutional Steam Generating Units and 40 CFR Part 60 Subpart JJJJ—Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. The Department has determined that this facility satisfies all applicable requirements of these subparts.

Based on these findings presented above, the Department intends to approve the application and issue a plan approval for the proposed construction and operation of the sources and air cleaning devices as indicated in the application. If the Department determines that the proposed sources are operating in compliance with all of the plan approval conditions, the conditions established in the plan approval will be incorporated into a Title V Operating Permit by means of an administrative amendment pursuant to 25 Pa. Code § 127.450 and pursuant to the operating permit requirements of 25 Pa. Code Subchapter F.

The following is a summary of the conditions that the Department proposes to place in the plan approval to be issued to ensure compliance with all applicable air quality regulatory requirements:

1. Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the annual emissions from the operation of the Titan 250S combustion turbine and associated compressor shall not exceed any of the following in any 12 consecutive month period:

- (i) 52.1 tons of nitrogen oxides, expressed as NO₂;
- (ii) 7.8 tons of carbon monoxide;
- (iii) 1.8 tons of particulate matter (filterable only);
- (iv) 6.3 tons of PM₁₀ (filterable and condensable);
- (v) 6.3 tons of PM_{2.5} (filterable and condensable);
- (vi) 3.7 tons of volatile organic compounds (including formaldehyde);
- (vii) 0.3 ton of formaldehyde; and
- (viii) 1.2 tons of sulfur oxides, expressed as SO₂.

2. (a) Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the emissions from the operation of the Titan 250S combustion turbine and associated compressor shall not exceed any of the following:

- (i) 15 ppmdv @ 15% O₂ of nitrogen oxides, expressed as NO₂;
- (ii) 2 ppmdv @ 15% O₂ of carbon monoxide;
- (iii) 0.0019 lb/MMBtu of particulate matter (filterable only);
- (iv) 0.01 lb/MMBtu of PM₁₀ (filterable and condensable);
- (v) 0.01 lb/MMBtu of PM_{2.5} (filterable and condensable);
- (vi) 3ppmdv @ 15% O₂ of volatile organic compounds; and
- (vii) 0.000288 lb/MMBtu of formaldehyde;

(b) The restriction specified in (a) of this condition applies at all times of operation except during periods of startup and shutdown.

3. Pursuant to the Best Available Control Technology requirements of 40 CFR 52.21, the Titan 250S combustion turbine shall not emit greenhouse gases (expressed as

carbon dioxide equivalents) into the outdoor atmosphere in excess of the rate of 0.78 lb CO₂e/bhp-hr on a 12-month rolling average.

4. Pursuant to the Best Available Control Technology requirements of 40 CFR 52.21, the Titan 250S combustion turbine shall not combust natural gas in excess of 1,872.65 million cubic feet in any 12 consecutive month period.

5. Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the annual emissions from the operation of the Mars 100S combustion turbine and associated compressor shall not exceed any of the following in any 12 consecutive month period:

- (i) 31.8 tons of nitrogen oxides, expressed as NO₂;
- (ii) 23.6 tons of carbon monoxide;
- (iii) 1.1 tons of particulate matter (filterable only);
- (iv) 3.8 tons of PM₁₀ (filterable and condensable);
- (v) 3.8 tons of PM_{2.5} (filterable and condensable);
- (vi) 2.2 tons of volatile organic compounds (including formaldehyde);
- (vii) 0.2 ton of formaldehyde; and
- (viii) 0.7 ton of sulfur oxides, expressed as SO₂.

6. (a) Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the emissions from the operation of the Mars 100S combustion turbine and associated compressor shall not exceed any of the following:

- (i) 15 ppmdv @ 15% O₂ of nitrogen oxides, expressed as NO₂;
- (ii) 2 ppmdv @ 15% O₂ of carbon monoxide;
- (iii) 0.0019 lb/MMBtu of particulate matter (filterable only);
- (iv) 0.01 lb/MMBtu of PM₁₀ (filterable and condensable);
- (v) 0.01 lb/MMBtu of PM_{2.5} (filterable and condensable);
- (vi) 3ppmdv @ 15% O₂ of volatile organic compounds; and
- (vii) 0.000288 lb/MMBtu of formaldehyde;

(b) The restriction specified in (a) of this condition applies at all times of operation except as provided below:

- i) Periods when the ambient temperature is below 0°F (non-SoLoNO_x operation).
- ii) During startup and shutdown operations.

7. Pursuant to the Best Available Control Technology requirements of 40 CFR 52.21, the Mars 100S combustion turbine shall not emit greenhouse gases (expressed as carbon dioxide equivalents) into the outdoor atmosphere in excess of the rate of 0.91 lb CO₂e/bhp-hr on a 12-month rolling average.

8. Pursuant to the Best Available Control Technology requirements of 40 CFR 52.21, the Mars 100S combustion turbine shall not combust natural gas in excess of 1133.65 million cubic feet in any 12 consecutive month period.

9. (a) Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall only fire pipeline-quality natural gas as fuel to operate the combustion turbines.

(b) The total sulfur content of the natural gas shall be equal to or less than 0.6 grains per 100 standard cubic feet (potential sulfur oxides emissions from the maximum total sulfur in the turbine's fuel is equal to approximately 0.0017 lb SO₂ / MMBtu of heat input).

10. (a) Within 180 days of initial start-up of each natural gas-fired combustion turbine, the permittee shall conduct EPA reference method testing programs to determine the emission rates of nitrogen oxides, carbon monoxide, volatile organic compound, formaldehyde, particulate matter, total PM₁₀ (filterable and condensable) and total PM_{2.5} (filterable and condensable) while the turbine is operating at plus or minus 10 percent of peak process load.

(b) After the performance of the initial EPA reference stack testing program, subsequent EPA reference method stack testing programs shall be conducted on the exhaust of the natural gas-fired combustion turbines on an approximate biannual basis, in order to determine the nitrogen oxides and carbon monoxide emission rates while the processes are operating at peak load. "Biannual basis" for purposes of this condition is defined to be no more than 24 months from the date of the previous test.

(c) Subsequent EPA reference method stack tests shall be conducted on the exhaust of the natural gas-fired combustion turbines on an approximate triennial basis to determine the volatile organic compounds and formaldehyde emission rates.

(d) The operating parameters associated with the turbines and oxidation catalysts being monitored shall also be monitored during the initial and subsequent EPA reference method testing programs.

11. The permittee shall determine the sulfur content of the natural gas transported throughout their transmission pipeline system and combusted in the facility's turbines by complying with the terms and conditions of an EPA-approved sulfur monitoring program that has been specifically designed for the permittee's pipeline network.

12. In addition to the required source testing, every 2,500 hours of operation and no sooner than forty-five (45) days from the previous test, the permittee shall perform periodic monitoring for NO_x and CO emissions to verify that the combustion turbines are in compliance with the BAT requirements. If a Department-approved test has been performed within 45 days prior to the scheduled periodic monitoring, this test may be used in lieu of the periodic monitoring for that time period.

13. Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall follow the manufacturers' recommended procedures during periods of startup and shutdown. The number and duration of startup and shutdown events shall be minimized to the extent feasible in accordance with good operating practices.

14. Pursuant to the Best Available Control Technology requirements of 40 CFR 52.21, the centrifugal compressor associated with Source ID P113 shall incorporate dry seals to control fugitive leaks from the source. The centrifugal compressors, along with the dry seals, shall be maintained in accordance with the manufacturer's recommended practices.

15. Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall operate and maintain the combustion turbines, air pollution control equipment, and monitoring equipment in

a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction.

16. The combustion turbines are subject to Subpart KKKK of the federal Standards of Performance for New Stationary Sources, 40 CFR 60.4300—60.4420. The permittee shall comply with all applicable requirements specified in 40 CFR 60.4300—60.4420.

17. The existing Solar Mars 90 turbine at the facility (Source ID P103 included in the facility's Title V Operating Permit 19-00007) shall be permanently shut down prior to the start-up of the Solar Mars 100S combustion turbine.

18. Beginning on the start-up date of either of the combustion turbines, whichever comes first, the permittee shall conduct monthly walk-around inspections during daylight hours and while the facility is operating. Monthly inspections are performed to detect for: (1) the presence of visible emissions; (2) the presence of visible fugitive air contaminants; (3) the presence of audible fugitive air contaminants; (4) the presence of malodors beyond the boundaries of the facility.

19. Within 180 days after the start-up of an air contamination source, and annually thereafter, the owner/operator shall develop and perform a leak detection and repair (LDAR) program that includes either the use of an optical gas imaging camera such as a FLIR camera or a gas leak detector capable of reading methane concentrations in air of 0% to 5% with an accuracy of +/- 0.2%.

20. The permittee shall operate the emergency stand-by power generating process in a manner such that the rate of emissions from the stationary reciprocating internal combustion engine (RICE) does not exceed the following limitations:

- (i) Nitrogen Oxide—2.0 grams per horsepower-hour
- (ii) Carbon Monoxide—1.3 grams per horsepower-hour
- (iii) Volatile Organic Compound—0.3 grams per horsepower-hour

21. Pursuant to the Best Available Technology requirements of 25 Pa. Code §§ 127.1 and 127.12 and the Best Available Control Technology requirements of 40 CFR 52.21, the emergency generator shall only be fired on pipeline-quality natural gas.

22. The permittee shall operate the stationary RICE associated with the emergency generator no more than 500 hours in any 12 consecutive month period.

23. The RICE associated with the emergency generator is subject to the requirements of 40 CFR Part 60 Subpart JJJJ and 40 CFR Part 63 Subpart ZZZZ. The permittee shall comply with all applicable requirements of 40 CFR 60.4230—60.4248 and 40 CFR 63.6580—63.6675.

All pertinent documents used in the evaluation of the application are available for public review during normal business hours at the Department's Northcentral Regional office, 208 West Third Street, Suite 101, Williamsport, PA 17701. Appointments for scheduling a review must be made by calling 570-327-0550.

Any person(s) wishing to provide the Department with additional information, which they believe should be considered prior to the issuance of this permit, may submit the information to the Department of Environmental Protection at the address shown in the preceding paragraph. A 30-day comment period from the date of this publication will exist for the submission of comments. Each written comment must contain the following: Name,

address and telephone number of the person submitting the comments; Identification of the proposed permit (specify Permit No. 19-00007A); Concise statements regarding the relevancy of the information or objections to issuance of the permit.

A public hearing may be held, if the Department of Environmental Protection, in its discretion, decides that such a hearing is warranted based on the information received. All persons submitting comments or requesting a hearing will be notified of the decision to hold a hearing by publication in the newspaper or by the *Pennsylvania Bulletin*, or by telephone, where the Department of Environmental Protection determines such notification is sufficient. Written comments or requests for a public hearing should be directed to Muhammad Q. Zaman, Environmental Program Manager, Department of Environmental Protection, Air Quality Program, Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701, 570-327-3648.

Persons with a disability who wish to comment and require an auxiliary aid, service, or other accommodation to participate should contact the Northcentral Regional Office at 570-327-3659. TDD users may contact the Department through the Pennsylvania AT&T Relay Service at 800-654-5984.

OPERATING PERMITS

Intent to Issue Title V Operating Permits under the Air Pollution Control Act and 25 Pa. Code Chapter 127, Subchapter G.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401

Contact: Janine Tulloch-Reid, Facilities Permitting Chief—Telephone: 484-250-5920

09-00124: Fairless Energy, LLC (50 Energy Drive, Fairless Hills, PA 19030) for renewal of a Title V Operating Permit in Falls Township, **Bucks County**. There has been no source changes at the facility since the operating permit was last amended in 2013. Sources at the facility include four (4) combined cycle natural-gas fired combustion turbines with duct burners, two (2) natural-gas pipeline heaters, four (4) mechanical draft cooling towers, an auxiliary boiler, and an emergency diesel fire pump. The diesel fire pump engine is subject to 40 C.F.R. Part 60, Subpart ZZZZ, the requirements of which will be incorporated into the operating permit. Fairless Energy, LLC is a major facility for NO_x, VOC, CO, and PM. The renewal of this operating permit does not authorize any increase in air emissions of any regulated pollutants above previously approved levels. The permit includes monitoring, recordkeeping, and reporting requirements designed to address all applicable air quality requirements.

Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790

Contact: Ray Kempa, New Source Review Chief—Telephone: 570-826-2507

35-00025: Environmental and Recycling Services, Inc. (1100 Union Street, Taylor, PA 18517) to issue a renewal Title V Operating Permit for a Landfill facility in Taylor Borough, **Lackawanna County**. The facility sources include a closed landfill, a construction and demolition waste landfill, and two (2) landfill gas management systems. These sources have the potential to emit major quantities of regulated pollutants above Title V emission thresholds. The proposed Title V Operating

Permit contains all applicable requirements including Federal and State regulations. In addition, monitoring, recordkeeping and reporting conditions regarding compliance with all applicable requirements are included.

35-00032: Cinram Manufacturing, LLC. (1400 E. Lackawanna Avenue, Olyphant, PA 18448-0999) to issue a renewal Title V Operating Permit for a CD, Tape and Record Reproducing facility in Olyphant Borough, **Lackawanna County**. The facility sources include three (3) warehouse heaters, two (2) boilers, and forty-one (41) screen cleaning stations. These sources have the potential to emit major quantities of regulated pollutants above Title V emission thresholds. The proposed Title V Operating Permit contains all applicable requirements including Federal and State regulations. In addition, monitoring, recordkeeping and reporting conditions regarding compliance with all applicable requirements are included.

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110

Contact: Thomas J. Hanlon, Facility Permitting Chief—Telephone: 717-705-4862 or William Weaver, Regional Air Quality Manager, Telephone: 717-705-4702.

06-05064: Sunoco Partners Market & Terminal, LP (525 Fritztown Road, Sinking Spring, PA 19608-1509) for operation of a bulk liquid petroleum fuel storage and loading operation at their Montello Terminal in Spring Township, **Berks County**. This is a renewal of the Title V operating permit which was issued on April 21, 2009 and amended on January 31, 2011.

In accordance with 25 Pa. Code §§ 127.424 and 127.425 the Department of Environmental Protection (DEP) has received an application and intends to issue an Air Quality Operating Permit for the abovementioned facility.

The subject facility has actual emissions in 2012 of 0.41 tpy of CO, 0.16 tpy NO_x, 16.6 tpy VOCs and 0.78 tpy HAPs. The operating permit will include emission limits and work practice standards along with monitoring, recordkeeping and reporting requirements to ensure the facility complies with the applicable air quality regulations. Among other items, the conditions include provisions derived from 40 CFR 63, Subpart R, "National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)," 40 CFR 60 Subparts K and Kb, and 40 CFR 63, Subpart DDDDD.

Copies of the application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the PA DEP Southcentral Regional Office, at 909 Elmerton Avenue, Harrisburg, PA 17110.

A person may oppose the proposed plan approval, or may provide the Department with additional information to consider in its review, or may request a public hearing, by filing a written protest with the Department at the address listed above. Each written comment must contain the name, address and telephone number of the person submitting the comments, identification of the proposed permit by the permit number listed above and a concise statement regarding the relevancy of the information or objections to the issuance of the permit.

A 30-day comment period, from the date of publication of this notice in the *Pennsylvania Bulletin*, will exist for the submission of comments or protests. A public hearing may be held, if the Department of Environmental Protection, in its discretion, decides that such a hearing is warranted based on the comments received.

Thomas Hanlon, Facilities Permitting Chief, may be contacted at 717-705-4862, or at PA DEP Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110, for additional information or for the submission of comments or protests.

67-05007: Adhesives Research Inc. (400 Seaks Run Road, Glen Rock, PA 17327) for operation of an adhesive coating facility in Springfield Township, **York County**.

In accordance with 25 Pa. Code §§ 127.424 and 127.425 the Department of Environmental Protection (DEP) has received an application and intends to issue an Air Quality Operating Permit renewal for the abovementioned facility.

The actual air emissions in 2013 were 0.3 ton of PM, 3 tons of CO, 3.6 tons of NO_x, 0.02 ton of SO_x, 13.5 tons of VOC, and 5.5 ton of HAPs. The Operating Permit will include emission limits and work practice standards along with monitoring, recordkeeping and reporting requirements to ensure the facility complies with the applicable air quality regulations.

The facility is subject to 40 CFR Part 60 Subpart RR—Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations Standard for volatile organic compounds; 40 CFR Part 60 Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; to 40 CFR Part 63 Subpart FFFF—National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing & Subpart UU—National Emission Standards for Equipment Leaks; 40 CFR Part 63 Subpart JJJJ—National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating Operating Limits if Using Add-On Control Devices and Capture System; 40 CFR Part 63 Subpart HHHHH—National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing; 40 CFR Part 63 Subpart SS—National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process; 40 CFR Part 63 Subpart ZZZZ—National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE); and 40 CFR Part 63 Subpart DDDDD—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

Copies of the application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the PA DEP Southcentral Regional Office, at 909 Elmerton Avenue, Harrisburg, PA 17110.

A person may oppose the proposed plan approval, or may provide the Department with additional information to consider in its review, or may request a public hearing, by filing a written protest with the Department at the address listed above. Each written comment must contain the name, address and telephone number of the person submitting the comments, identification of the proposed permit by the permit number listed above and a concise statement regarding the relevancy of the information or objections to the issuance of the permit.

A 30-day comment period, from the date of publication of this notice in the *Pennsylvania Bulletin*, will exist for the submission of comments or protests. A public hearing may be held, if the Department of Environmental Protection, in its discretion, decides that such a hearing is warranted based on the comments received.

Gary Helsel, Acting New Source Review Chief, may be contacted at 814-949-7935, or at PA DEP Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110, for additional information or for the submission of comments or protests.

Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

Contact: Barbara Hatch, Facilities Permitting Chief—Telephone: 412-442-4174

65-00713: Greenridge Reclamation, LLC (RD #1, Box 717, Landfill Road, Scottdale, PA 15683) for a solid waste landfill at the Greenridge Reclamation Landfill in East Huntingdon Township, **Westmoreland County**. This is a Title V Operating Permit renewal application submittal.

65-00181: Chestnut Ridge Foam / Latrobe Plant (443 Warehouse Drive P.O. Box 781, Latrobe, PA 15650-0781) for the operation of a polyurethane foam sheet plant located in Derry Township, **Westmoreland County**. In accordance with 25 Pa. Code §§ 127.424 and 127.425 the Department of Environmental Protection (DEP) has received an application and is providing public notice that it intends to issue a renewal Air Quality Operating Permit for the above mentioned facility.

The subject facility consists of one 11.7 MMBtu Natural Gas fired boiler, one 10.0 MMBtu/hr natural gas-fired boiler, 5.0 MMBtu/hr natural gas processing units, urethane foam dip coating line, foam fabrication line, lamina line, urethane line, glue tables and a polyurethane molder line. This facility is limited to 166 tons per year of VOC. In 2013, the facility reported their annual emissions as: 6.62 tons VOC, 3.04 tons NO_x, 0.58 ton CO, 0.02 ton PM/PM₁₀, and 0.01 tpy HAPs. No emission or equipment changes are being proposed by this action. The emission restriction, testing, monitoring, recordkeeping, reporting, and work practice conditions of the TVOP have been derived from all applicable requirements.

Copies of the application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the Department's Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. Appointments for scheduling a review must be made by calling 412-442-4000.

Any person may submit comments, a request for the Department to hold a public hearing, or a protest to the operating permit or a proposed condition thereof, by filing such submissions in writing with the Department at the Southwest Regional Office. A 30-day comment period from the date of this publication will exist for the submission of comments.

All requests for a public hearing, and all protests to a proposed action, shall be filed with the Department within 30 days of the date that notice of the proposed action was published under 25 Pa. Code § 127.424 (relating to public notice). A protest must include the name, address and telephone number of the person filing the protest, identification of the proposed permit issuance being opposed (Operating Permit 65-00181) and a concise statement of the objections to the permit issuance and the relevant facts upon which the objections are based.

A public hearing may be held in accordance with 25 Pa. Code § 127.429, if the Department, in its discretion, decides that such a hearing is warranted based on the information received. If a public hearing is held, all persons who have properly filed a protest under 25

Pa. Code § 127.426 may appear and give testimony. The applicant, the protestant and other participants will be notified of the decision to hold a hearing (and the time, place and purpose of such hearing) by publication in the newspaper or by the *Pennsylvania Bulletin*, or by telephone, where the Department determines such notification by telephone is sufficient.

Written comments, protests and requests for a public hearing should be directed to Sheila Shaffer, Air Quality Engineering Specialist, Department of Environmental Protection, Southwest Region, 400 Waterfront Drive, Pittsburgh, PA 15222. For additional information concerning the permit or the issuance procedure, contact Sheila Shaffer at (412) 442-5227.

30-00219: Emerald Coal Resources, L.P. (158 Portal Road, Waynesburg, PA 15370), In accordance with Pa. Code 25 §§ 127.441, 127.425 and 127.521, the Department is providing notice that they intend to issue a Title V Operating Permit to authorize the continued operation of an existing underground coal mine and preparation plant, known as the Emerald Mine and Coal Preparation Plant, located in Franklin Township, **Greene County**.

The facility contains air contamination sources, consisting of an underground coal mine, breaker, conveyers, chemical froth flotation system, roads, and storage piles. Particulate emissions from the breaker and screens are controlled by baghouses and from storage piles and roads by wetting. Maximum permitted capacity of the facility is 10 million tons per year of raw coal. This facility has the potential to emit the following type and quantity of pollutants: 336,000 tons per year of CO₂e, 7.3 tons per year of PM₁₀ and 31.8 tons per year of VOC. No equipment or emission changes are being approved by this action. The facility is limited to a maximum opacity from any processing equipment of 20 percent. The facility is subject to 40 CFR 60, Subpart Y—Standards of Performance for Coal Preparation and Processing Plants, as well as state requirements. The permit includes emission limitations, operational requirements, monitoring requirements, recordkeeping, and reporting requirements for the facility.

Copies of the application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the Department's Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. Appointments for scheduling a review must be made by calling 412-442-4000.

Any person may submit comments, requests for the Department to hold a public hearing, or protests to the operating permit or a proposed condition thereof, by filing such submissions in writing to the Department at the Southwest Regional Office. A 30-day comment period from the date of this publication will exist for the submission of comments.

All comments, requests for a public hearing, and protests to a proposed action, shall be filed with the Department within 30 days of the date that notice of the proposed action was published under 25 Pa. Code § 127.424 (relating to public notice). A protest must include the name, address and telephone number of the person filing the protest, identification of the proposed permit issuance being opposed (Operating Permit 30-00219) and a concise statement of the objections to the permit issuance and the relevant facts upon which the objections are based.

A public hearing may be held in accordance with 25 Pa. Code § 127.429, if the Department, in its discretion,

decides that such a hearing is warranted based on the information received. If a public hearing is held, all persons who have properly filed a protest under 25 Pa. Code § 127.426 may appear and give testimony. The applicant, the protestant and other participants will be notified of the decision to hold a hearing (and the time, place and purpose of such hearing) by publication in the newspaper or by the *Pennsylvania Bulletin*, or by telephone, where the Department determines such notification by telephone is sufficient.

Written comments, protests and requests for a public hearing should be directed to Martin L. Hochhauser, P.E., Air Quality Engineering Specialist, Department of Environmental Protection, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. For additional information concerning the permit or the issuance procedure, contact Martin Hochhauser at (412) 442-4057.

Intent to Issue Operating Permits under the Air Pollution Control Act and 25 Pa. Code Chapter 127, Subchapter F.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA19428

Contact: Janine Tulloch-Reid, Facilities Permitting Chief—Telephone: 484-250-5920

09-00180: White Engineering Surfaces Corp. (One Pheasant Run, Newtown, Pennsylvania 18940) for issuance of a State Only Operating Permit renewal to operate Eight (8) Metal and Ceramics Surface Coating Spray Booths with Dust Collectors and One (1) Vapor Degreaser in Newtown Township, **Bucks County**. The facility is synthetic minor for HAP, VOC and PM. This Operating Permit shall include monitoring, and recordkeeping designed to ensure this facility complies with all applicable air quality regulations.

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110

Contact: Thomas J. Hanlon, Facility Permitting Chief—Telephone: 717-705-4862 or William Weaver, Regional Air Quality Manager, Telephone: 717-705-4702.

67-05135: B-Way Packaging Corp. (599 Davies Drive, York, PA 17402) for their metal can manufacturing facility in Springettsbury Township, **York County**.

In accordance with 25 Pa. Code §§ 127.424 and 127.425 the Department of Environmental Protection (DEP) has received an application and intends to issue an Air Quality Operating Permit renewal for the abovementioned facility.

The VOC emissions from the facility in 2013 were 17 tons. The Operating Permit will include emission limits and work practice standards along with monitoring, recordkeeping and reporting requirements to ensure the facility complies with the applicable air quality regulations.

Copies of the application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the PA DEP Southcentral Regional Office, at 909 Elmerton Avenue, Harrisburg, PA 17110.

A person may oppose the proposed plan approval, or may provide the Department with additional information to consider in its review, or may request a public hearing, by filing a written protest with the Department at the address listed above. Each written comment must contain the name, address and telephone number of the person

submitting the comments, identification of the proposed permit by the permit number listed above and a concise statement regarding the relevancy of the information or objections to the issuance of the permit.

A 30-day comment period, from the date of publication of this notice in the *Pennsylvania Bulletin*, will exist for the submission of comments or protests. A public hearing may be held, if the Department of Environmental Protection, in its discretion, decides that such a hearing is warranted based on the comments received.

Gary Helsel, Acting New Source Review Chief, may be contacted at 814-949-7935, or at PA DEP Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110, for additional information or for the submission of comments or protests.

07-03018: Central PA Humane Society (1837 E. Pleasant Valley Blvd., Altoona, PA 16602) for operation of a natural gas animal crematory in Logan Township, **Blair County**.

In accordance with 25 Pa. Code §§ 127.424 and 127.425 the Department of Environmental Protection (DEP) has received an application and intends to issue an Air Quality Operating Permit renewal for the abovementioned facility.

The potential emissions of the facility are 0.3 ton of PM per year, and 2.5 tons of SO_x per year. The Operating Permit will include emission limits and work practice standards along with monitoring, recordkeeping and reporting requirements to ensure the facility complies with the applicable air quality regulations.

Copies of the application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the PA DEP Southcentral Regional Office, at 909 Elmerton Avenue, Harrisburg, PA 17110.

A person may oppose the proposed plan approval, or may provide the Department with additional information to consider in its review, or may request a public hearing, by filing a written protest with the Department at the address listed above. Each written comment must contain the name, address and telephone number of the person submitting the comments, identification of the proposed permit by the permit number listed above and a concise statement regarding the relevancy of the information or objections to the issuance of the permit.

A 30-day comment period, from the date of publication of this notice in the *Pennsylvania Bulletin*, will exist for the submission of comments or protests. A public hearing may be held, if the Department of Environmental Protection, in its discretion, decides that such a hearing is warranted based on the comments received.

Gary Helsel, Acting New Source Review Chief, may be contacted at 814-949-7935, or at PA DEP Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110, for additional information or for the submission of comments or protests.

Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

Contact: Barbara Hatch, Facilities Permitting Chief—Telephone: 412-442-4174

04-00704: Buckeye Pipeline Co. LP (Five TEK Park, 9999 Hamilton Boulevard, Breinigsville, PA 18031) for a State Only Operating Permit renewal for the operation of

a bulk distillate oil breakout station, known as the Midland Breakout Station, in Industry Borough, **Beaver County**.

The facility contains an air contamination source consisting of one distillate oil storage tank, with a storage capacity of 67,000 barrels (bbl, 1 barrel petroleum = 42 US gallons), Distillate loading is limited to 6,000,000 gallons per year. Facility emissions are 21.5 tons per year of VOC and 2.6 tons per year of all HAPs combined. The facility is limited to a maximum opacity from any processing equipment of 20 percent. The facility is subject to applicable requirements of 25 Pa. Code Chapters 121—145. The permit includes emission limitations, and operational, monitoring, testing, reporting and recordkeeping requirements for the facility.

Copies of the application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the Department's Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. Appointments for scheduling a review must be made by calling 412-442-4000.

Any person may submit comments, requests for the Department to hold a public hearing, or protests to the operating permit or a proposed condition thereof, by filing such submissions in writing to the Department at the Southwest Regional Office. A 30-day comment period from the date of this publication will exist for the submission of comments.

All comments, requests for a public hearing, and protests to a proposed action, shall be filed with the Department within 30 days of the date that notice of the proposed action was published under 25 Pa. Code § 127.424 (relating to public notice). A protest must include the name, address and telephone number of the person filing the protest, identification of the proposed permit issuance being opposed (Operating Permit 04-00704) and a concise statement of the objections to the permit issuance and the relevant facts upon which the objections are based.

A public hearing may be held in accordance with 25 Pa. Code § 127.429, if the Department, in its discretion, decides that such a hearing is warranted based on the information received. If a public hearing is held, all persons who have properly filed a protest under 25 Pa. Code § 127.426 may appear and give testimony. The applicant, the protestant and other participants will be notified of the decision to hold a hearing (and the time, place and purpose of such hearing) by publication in the newspaper or by the *Pennsylvania Bulletin*, or by telephone, where the Department determines such notification by telephone is sufficient.

Written comments, protests and requests for a public hearing should be directed to Martin L. Hochhauser, P.E., Air Quality Engineering Specialist, Department of Environmental Protection, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. For additional information concerning the permit or the issuance procedure, contact Martin Hochhauser at (412) 442-4057.

04-00067: Harsco Metals (300 Seven Fields Blvd., Seven Fields, PA 16001) issue a State Only Operating Permit (SOOP) Renewal to authorize the continued operation of an existing Steel Slag Processing Plant known as the Midland Site, located in Midland Boro, **Beaver County**.

In accordance with 25 Pa. Code §§ 127.424 and 127.425, notice is hereby given that the Pennsylvania

Department of Environmental Protection (DEP) intends to issue a State Only Operating Permit (SOOP) Renewal to authorize the continued operation of an existing Steel Slag Processing Plant known as the Midland Site, located in Midland Boro, Beaver County.

This facility has the potential to emit the less than 8 tons of particulate matter on an annual, 12-month rolling basis. No emission or equipment changes are being proposed by this action. This facility is subject to the applicable requirements of Pa. Code, Chapters 121 through 145. Proposed SOOP Renewal includes conditions relating to applicable emission restrictions, testing, monitoring, recordkeeping, reporting and work practice standards requirements.

Copies of the proposed SOOP, renewal application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the Department's Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. Appointments for scheduling a review must be made by calling 412-442-4000.

Any person may submit comments, a request for the Department to hold a public hearing, or a protest to the operating permit or a proposed condition thereof, by filing such submissions in writing with the Department at the address below. All requests for a public hearing, and all protests to a proposed action, shall be filed with the Department within 30 days of the date that notice of the proposed action was published under 25 Pa. Code § 127.424 (relating to public notice). A protest must include the name, address and telephone number of the person filing the protest, identification of the proposed permit issuance being opposed (Operating Permit 04-00067) and a concise statement of the objections to the permit issuance and the relevant facts upon which the objections are based.

A public hearing may be held in accordance with 25 Pa. Code § 127.429, if the Department, in its discretion, decides that such a hearing is warranted based on the information received. If a public hearing is held, all persons who have properly filed a protest under 25 Pa. Code § 127.426 may appear and give testimony. The applicant, the protestant and other participants will be notified of the decision to hold a hearing (and the time, place and purpose of such hearing) by publication in the newspaper or by the *Pennsylvania Bulletin*, or by telephone, where the Department determines such notification by telephone is sufficient.

Written comments, protests and requests for a public hearing should be directed to Barbara Hatch, Environmental Engineer Manager, Department of Environmental Protection, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222 or bhatch@pa.gov. For additional information concerning the permit or the issuance procedure, contact Barbara Hatch at (412) 442-5226.

04-00682: Harsco Metals (300 Seven Fields Blvd., Seven Fields, PA 16001) to issue a State Only Operating Permit (SOOP) Renewal to authorize the continued operation of an existing Steel Slag Processing Plant known as Plant No. 53-Koppel, located in Koppel Boro, **Beaver County**.

In accordance with 25 Pa. Code §§ 127.424 and 127.425, notice is hereby given that the Pennsylvania Department of Environmental Protection (DEP) intends to issue a State Only Operating Permit (SOOP) Renewal to authorize the continued operation of an existing Steel Slag Processing Plant known as Plant #53-Koppel, located in Koppel Boro, Beaver County.

This facility has the potential to emit the less than 10 tons of particulate matter on an annual, 12-month rolling basis. No emission or equipment changes are being proposed by this action. This facility is subject to the applicable requirements of 25 Pa. Code, Chapters 121 through 145. Proposed SOOP Renewal includes conditions relating to applicable emission restrictions, testing, monitoring, recordkeeping, reporting and work practice standards requirements.

Copies of the proposed SOOP, renewal application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the Department's Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. Appointments for scheduling a review must be made by calling 412-442-4000.

Any person may submit comments, a request for the Department to hold a public hearing, or a protest to the operating permit or a proposed condition thereof, by filing such submissions in writing with the Department at the address below. All requests for a public hearing, and all protests to a proposed action, shall be filed with the Department within 30 days of the date that notice of the proposed action was published under 25 Pa. Code § 127.424 (relating to public notice). A protest must include the name, address and telephone number of the person filing the protest, identification of the proposed permit issuance being opposed (Operating Permit 04-00682) and a concise statement of the objections to the permit issuance and the relevant facts upon which the objections are based.

A public hearing may be held in accordance with 25 Pa. Code § 127.429, if the Department, in its discretion, decides that such a hearing is warranted based on the information received. If a public hearing is held, all persons who have properly filed a protest under 25 Pa. Code § 127.426 may appear and give testimony. The applicant, the protestant and other participants will be notified of the decision to hold a hearing (and the time, place and purpose of such hearing) by publication in the newspaper or by the *Pennsylvania Bulletin*, or by telephone, where the Department determines such notification by telephone is sufficient.

Written comments, protests and requests for a public hearing should be directed to Barbara Hatch, Environmental Engineer Manager, Department of Environmental Protection, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222 or bhatch@pa.gov. For additional information concerning the permit or the issuance procedure, contact Barbara Hatch at (412) 442-5226.

65-00909: Harsco Metals (300 Seven Fields Blvd., Seven Fields, PA 16001) to issue a renewal renewal to authorize the continued operation of an existing Steel Slag Processing Plant known as Plant No. 56, in Derry Township, **Westmoreland County**.

In accordance with 25 Pa. Code §§ 127.424 and 127.425, notice is hereby given that the Pennsylvania Department of Environmental Protection (DEP) intends to issue a State Only Operating Permit (SOOP) Renewal to authorize the continued operation of an existing Steel Slag Processing Plant known as Plant #56, located in Derry Township, Westmoreland County.

This facility has the potential to emit the less than 8 tons of particulate matter on an annual, 12-month rolling basis. No emission or equipment changes are being proposed by this action. This facility is subject to the applicable requirements of 25 Pa. Code, Chapters 121

through 145. Proposed SOOP Renewal includes conditions relating to applicable emission restrictions, testing, monitoring, recordkeeping, reporting and work practice standards requirements.

Copies of the proposed SOOP, renewal application, DEP's analysis and other documents used in the evaluation of the application are available for public review during normal business hours at the Department's Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. Appointments for scheduling a review must be made by calling 412-442-4000.

Any person may submit comments, a request for the Department to hold a public hearing, or a protest to the operating permit or a proposed condition thereof, by filing such submissions in writing with the Department at the address below. All requests for a public hearing, and all protests to a proposed action, shall be filed with the Department within 30 days of the date that notice of the proposed action was published under 25 Pa. Code § 127.424 (relating to public notice). A protest must include the name, address and telephone number of the person filing the protest, identification of the proposed permit issuance being opposed (Operating Permit 65-00909) and a concise statement of the objections to the permit issuance and the relevant facts upon which the objections are based.

A public hearing may be held in accordance with 25 Pa. Code § 127.429, if the Department, in its discretion, decides that such a hearing is warranted based on the information received. If a public hearing is held, all persons who have properly filed a protest under 25 Pa. Code § 127.426 may appear and give testimony. The applicant, the protestant and other participants will be notified of the decision to hold a hearing (and the time, place and purpose of such hearing) by publication in the newspaper or by the *Pennsylvania Bulletin*, or by telephone, where the Department determines such notification by telephone is sufficient.

Written comments, protests and requests for a public hearing should be directed to Barbara Hatch, Environmental Engineer Manager, Department of Environmental Protection, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222 or bhatch@pa.gov. For additional information concerning the permit or the issuance procedure, contact Barbara Hatch at (412) 442-5226.

*Department of Public Health, Air Management Services:
321 University Avenue, Philadelphia, PA 19104*

Contact: Edward Wiener, Chief—Telephone: 215-685-9426

S14-003: Model Finishing, Inc. (4949 Cottman Avenue, Philadelphia, PA 19135) for operation of a pharmaceutical packaging and labeling facility in the City of Philadelphia, **Philadelphia County**. The facility's air emission sources include two spray booths, one power coating line, two powder coating booth, one vapor degreaser, miscellaneous solvent cleaning, one 0.8 MMBTU/hr bake oven, one 1.6 MMBTU/hr water heater, one 0.5 MMBTU/hr drying oven, one 1.6 MMBTU/hr conveyor oven, and one 2.5 MMBTU/hr powder bake oven.

The operating permit will be issued under 25 Pa. Code, Philadelphia Code Title 3 and Air Management Regulation XIII. Permit copies and other supporting information are available for public inspection at AMS, 321 University Avenue, Philadelphia, PA 19104. For further information, contact Edward Wiener at (215) 685-9426.

Persons wishing to file protest or comments on the above operating permit must submit the protest or comments within 30 days from the date of this notice. Any

protests or comments filed with AMS must include a concise statement of the objections to the permit issuance and the relevant facts upon which the objections are based. Based upon the information received during the public comment period, AMS may modify the operating permit or schedule a public hearing. The hearing notice will be published in the *Pennsylvania Bulletin* and a local newspaper at least thirty days before the hearing.

COAL AND NONCOAL MINING ACTIVITY APPLICATIONS

Applications under the Surface Mining Conservation and Reclamation Act (52 P. S. §§ 1396.1—1396.19a); the Noncoal Surface Mining Conservation and Reclamation Act (52 P. S. §§ 3301—3326); The Clean Streams Law (35 P. S. §§ 691.1—691.1001); the Coal Refuse Disposal Control Act (52 P. S. §§ 30.51—30.66); and The Bituminous Mine Subsidence and Land Conservation Act (52 P. S. §§ 1406.1—1406.20a). Mining activity permits issued in response to such applications will also address the applicable permitting requirements of the following statutes: the Air Pollution Control Act (35 P. S. §§ 4001—4015); the Dam Safety and Encroachments Act (32 P. S. §§ 693.1—693.27); and the Solid Waste Management Act (35 P. S. §§ 6018.101—6018.1003).

The following permit applications to conduct mining activities have been received by the Department. A copy of the application is available for inspection at the district mining office indicated before each application. Notices of requests for 401 Water Quality Certifications are included in individual application notices, as noted.

Written comments or objections, or requests for an informal conference, or a public hearing, as applicable, on a mining permit application and request for Section 401 water quality certification application may be submitted by any person or any officer or head of any Federal, state or local government agency or authority to the Department at the address of the district mining office indicated before each application within 30 days of this publication, or within 30 days after the last publication of the applicant's newspaper advertisement as provided by 25 Pa. Code §§ 77.121—77.123 and 86.31—86.34.

Written comments or objections regarding a mining permit application should contain the name, address and telephone number of persons submitting comments or objections, application number and a statement of sufficient detail to inform the Department on the basis of comment or objection and relevant facts upon which it is based.

A request for an informal conference or a public hearing, as applicable, on a mining permit application, as provided by 25 Pa. Code § 77.123 or § 86.34, must contain the name, address and telephone number of the requestor; the application number; a brief summary of the issues to be raised by the requestor at the conference; and a statement whether the requestor desires to have the conference conducted in the locality of the proposed mining activities.

When an NPDES number is listed, the mining activity permit application was accompanied by an application for an individual NPDES permit. A separate notice will be provided after the draft NPDES permit is prepared.

Noncoal Applications Received

Effluent Limits—The following effluent limits will apply to NPDES permits issued in conjunction with a noncoal mining permit:

| <i>Parameter</i> | <i>Table 2 30-day Average</i> | <i>Daily Maximum</i> | <i>Instantaneous Maximum</i> |
|--------------------------------------|---------------------------------------|---------------------------------|----------------------------------|
| Suspended solids | 10 to 35 mg/l | 20 to 70 mg/l | 25 to 90 mg/l |
| Alkalinity exceeding acidity* pH* | | greater than 6.0; less than 9.0 | |

* The parameter is applicable at all times.

A settleable solids instantaneous maximum limit of 0.5 ml/l applied to surface runoff resulting from a precipitation event of less than or equal to a 10-year 24-hour event. If coal will be extracted incidental to the extraction of noncoal minerals, at a minimum, the technology-based effluent limitations identified under coal applications will apply to discharges of wastewater to streams.

Moshannon District Mining Office: 186 Enterprise Drive, Philipsburg, PA 16866, 814-342-8200

53140801 and NPDES PA0269603. Donald R. Reed (392 Ridge Road, Genesee, PA 16923). Commencement, operation and restoration of a small noncoal (sand and gravel) mining permit located in Genesee Township, **Potter County** affecting 5.0 acres. Receiving stream: West Branch Genesee River classified for the following use(s): High Quality-Cold Water Fishes. Application received: April 21, 2014.

Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901, 570-621-3118

Permit No. 58040826. Kevin W. Ralston, (698 Main Street, New Milford, PA 18834), Stage I & II bond release of a quarry operation in New Milford Township, **Susquehanna County** affecting 1.0 acre on property owned by Chery and Jack Hart. Application received: April 28, 2014.

MINING ACTIVITY NPDES DRAFT PERMITS

This notice provides information about applications for a new, amended or renewed NPDES permits associated with mining activity (coal or noncoal) permits. The applications concern industrial waste (mining) discharges to surface water and discharges of stormwater associated with mining activities. This notice is provided in accordance with 25 Pa. Code Chapters 91 and 92a and 40 CFR Part 122, implementing provisions of The Clean Streams Law (35 P.S. §§ 691.1—691.1001) and the Federal Clean Water Act (33 U.S.C.A. §§ 1251—1376).

The Department of Environmental Protection (Department) has prepared a draft NPDES permit and made a tentative determination to issue the NPDES permit in conjunction with the associated mining activity permit.

Effluent Limits for Coal Mining Activities

For coal mining activities, NPDES permits, when issued, will contain effluent limits that are the more stringent of technology-based (BAT) effluent limitations or Water Quality Based Effluent Limits (WQBEL).

The BAT limits for coal mining activities, as provided in 40 CFR Part 434 and 25 Pa. Code Chapters 87—90 are as follows:

| <i>Parameter</i> | <i>30-Day Average</i> | <i>Daily Maximum</i> | <i>Instantaneous Maximum</i> |
|----------------------------------|---------------------------|---------------------------------|----------------------------------|
| Iron (Total) | 3.0 mg/l | 6.0 mg/l | 7.0 mg/l |
| Manganese (Total) | 2.0 mg/l | 4.0 mg/l | 5.0 mg/l |
| Suspended solids | 35 mg/l | 70 mg/l | 90 mg/l |
| pH* | | greater than 6.0; less than 9.0 | |
| Alkalinity greater than acidity* | | | |

* The parameter is applicable at all times.

In addition, the Department imposes a technology-based aluminum limit of 2.0 mg/l (30 day average) to protect stream uses.

A settleable solids instantaneous maximum limit of 0.5 ml/l applies to: surface runoff (resulting from a precipitation event of less than or equal to a 10-year 24-hour event) from active mining areas; active areas disturbed by coal refuse disposal activities; mined areas backfilled and revegetated; and all other discharges and drainage (resulting from a precipitation event of greater than 1-year 24-hour to less than or equal to a 10-year 24-hour event) from coal refuse disposal piles. Similarly, modified BAT limits apply to iron, manganese and suspended solids in surface runoff, discharges and drainage resulting from these precipitation events and those of greater magnitude in accordance with 25 Pa. Code §§ 87.102, 88.92, 88.187, 88.292, 89.52 and 90.102.

Exceptions to BAT effluent limits may be applicable in accordance with 25 Pa. Code §§ 87.102, 88.92, 88.187, 88.292, 89.52 and 90.102.

Effluent Limits for Noncoal Mining Activities

The BAT limits for noncoal mining activities as provided in 40 CFR Part 436 and 25 Pa. Code Chapter 77 are as follows:

| <i>Parameter</i> | <i>30-day Average</i> | <i>Daily Maximum</i> | <i>Instantaneous Maximum</i> |
|--------------------------------------|---------------------------|---------------------------------|----------------------------------|
| Suspended solids | 35 mg/l | 70 mg/l | 90 mg/l |
| Alkalinity exceeding acidity* pH* | | greater than 6.0; less than 9.0 | |

* The parameter is applicable at all times.

Discharges from noncoal mines located in some geologic settings (for example, in the coal fields) may require additional water quality based effluent limits. If additional effluent limits are needed for an NPDES permit associated with a noncoal mining permit, then the permit description specifies the parameters.

In addition to BAT or WQBEL limits, coal and noncoal NPDES permits establish effluent limitations in the form of implemented Best Management Practices (BMPs) identified in the associated Erosion and Sedimentation Plan, the Reclamation Plan and the NPDES permit application. These BMPs restrict the rates and quantities of associated pollutants from being discharged into surface waters in this Commonwealth.

More restrictive effluent limitations, restrictions on discharge volume or restrictions on the extent of mining that may occur are incorporated into an NPDES permit when necessary for compliance with water quality standards and antidegradation requirements (in accordance with 25 Pa. Code Chapters 91—96).

The procedures for determining the final effluent limits, using a mass-balance equation or model, are found in Technical Guidance Document 362-0600-001, NPDES Program Implementation—Memorandum of Understanding (MOU) Concerning Water Quality Management, NPDES Program Implementation, and Related Matters. Other specific factors to be considered include public comments and Total Maximum Daily Load(s). Additional discharge limitations may apply in the event that unexpected discharges occur.

Discharge rates for surface mining activities are precipitation driven. Discharge rates for proposed discharges associated with underground mining are noted in the permit description.

Persons wishing to comment on an NPDES draft permit should submit a written statement to the Department at the address of the district mining office indicated before each draft permit within 30 days of this public notice. Comments received within the comment period will be considered in the final determinations regarding the NPDES permit applications. Comments must include the name, address and telephone number of the writer and a concise statement to inform the Department of the exact basis of a comment and the relevant facts upon which it is based.

The Department will also accept requests or petitions for a public hearing on NPDES permit applications, as provided in 25 Pa. Code § 92a.82(d). The request or petition for a public hearing shall be filed within 30 days of this public notice and contain the name, address, telephone number and the interest of the party filing the request, and state the reasons why a hearing is warranted. A public hearing may be held if the Department considers the public interest significant. If a hearing is scheduled, a notice of the hearing on the NPDES permit application will be published in the *Pennsylvania Bulletin* and a newspaper of general circulation within the relevant geographical area. When a public hearing is held, the Department will consider comments from the public hearing in the final determination on the NPDES permit application.

Coal NPDES Draft Permits

Cambria District Mining Office: 286 Industrial Park Road, Ebensburg, PA 15931, 814-472-1900

NPDES No. PA0119954 (Mining Permit No. 56753048), Gray Mining Company, Inc., 1134 Stoystown Road Friedens, PA 15541, renewal of an NPDES permit for discharge to surface water resulting from surface coal mining, coal refuse reprocessing, and coal refuse disposal in Quemahoning and Stonycreek Townships, **Somerset County**, affecting 296.0 acres. Receiving stream: Stonycreek River, classified for the following use: cold water fishery. This receiving stream is included in the Kiski-Conemaugh TMDL. Application received: March 26, 2014.

The outfalls listed below discharge to Stonycreek River:

| <i>Outfall Nos.</i> | <i>New Outfall (Y/N)</i> |
|------------------------------|--------------------------|
| 001 (Treatment Pond 3) | N |
| 002 (Treatment Pond 1) | N |
| 004 (Sediment Pond A) | N |
| 005 (Sediment Pond B) | N |
| 006 (Sediment Pond Existing) | N |
| 007 (Sediment Pond 4) | N |

The proposed effluent limits for the above listed outfalls are as follows:

| <i>Outfalls: 001, 002, 004, 005, 006, 007 Parameter</i> | <i>30-Day Average</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
|--|---------------------------|--------------------------|-----------------------------|
| Iron (mg/l) | 1.5 | 3.0 | 3.7 |
| Manganese (mg/l) | 1.0 | 2.0 | 2.5 |
| Aluminum (mg/l) | 0.75 | 1.5 | 1.8 |
| Total Suspended Solids (mg/l) | 35.0 | 70.0 | 90.0 |
| pH (S.U.): Must be between 6.0 and 9.0 standard units at all times | | | |
| Alkalinity must exceed acidity at all times | | | |

Alternate discharge limitations and monitoring requirements for sediment ponds during precipitation events are not applicable to this permit due to the requirements of the Kiski-Conemaugh TMDL.

Greensburg District Mining Office: Armbrust Professional Center, 8205 Route 819, Greensburg, PA 15601, 724-925-5500

NPDES No. PA117650 (Mining permit no. 30793024), Beazer East, Inc., Manor Oak One, Suite 200, 1910 Cochran Road, Pittsburgh, PA 15220, revised NPDES permit for conversion of active to passive treatment at a reclaimed bituminous surface mine in Morgan Township, **Greene County**, affecting 327.7 acres. Receiving streams: unnamed tributary to South Fork of Ten Mile Creek and South Fork of Ten Mile Creek, classified for the following use: WWF. Application received: November 22, 2013.

The treated wastewater outfall(s) listed below discharge to UNT to South Fork of Ten Mile Creek and to South Fork of Ten Mile Creek:

| <i>Outfall Nos.</i> | <i>New Outfall (Y/N)</i> | <i>TYPE</i> |
|---------------------|--------------------------|--------------------|
| 003 | N | Treatment Facility |
| TP-1 | N | Treatment Facility |
| AT | N | Treatment Facility |
| MT-1 | N | Treatment Facility |
| Pond 1 | Y | Treatment Facility |

The proposed effluent limits for the above listed outfall(s) are as follows:

| <i>Outfalls: Parameter</i> | <i>30-Day Average</i> | <i>Daily Maximum</i> | <i>Instant. Maximum</i> |
|--|---------------------------|--------------------------|-----------------------------|
| Iron (mg/l) | 3.0 | 3.0 | 3.8 |
| Manganese (mg/l) | 2.0 | 2.0 | 2.5 |
| Total Suspended Solids (mg/l) | 35 | 70 | 90 |
| pH (S.U.): Must be between 6.0 and 9.0 standard units at all times | | | |
| Alkalinity must exceed acidity at all times | | | |

FEDERAL WATER POLLUTION CONTROL ACT, SECTION 401

The following permit applications, requests for Environmental Assessment approval and requests for 401 Water Quality Certification have been received by the Department. Section 401 of the Federal Water Pollution Control Act (FWPCA) (33 U.S.C.A. § 1341) requires the Commonwealth to certify that the involved projects will not violate the sections 301—303, 306 and 307 of the FWPCA (33 U.S.C.A. §§ 1311—1313, 1316 and 1317) as well as relevant State requirements. Persons objecting to approval of a request for certification under section 401 of the FWPCA, the issuance of a Dam Permit or Water Obstruction and Encroachment Permit or the approval of an Environmental Assessment shall submit comments, suggestions or objections within 30 days of the date of this notice as well as any questions to the office noted before an application. Comments should contain the name, address and telephone number of the person commenting, identification of the certification request to which the comments or objections are addressed and a concise statement of comments, objections or suggestions including the relevant facts upon which they are based.

The Department may conduct a fact-finding hearing or an informal conference in response to comments if deemed necessary. Each individual will be notified, in writing, of the time and place of a scheduled hearing or conference concerning the certification request to which the comment, objection or suggestion relates. Maps, drawings and other data pertinent to the certification request are available for inspection between 8 a.m. and 4 p.m. on working days at the office noted before the application.

Persons with a disability who wish to attend the hearing and require an auxiliary aid, service or other accommodation to participate in the proceedings should contact the specified program. TDD users may contact the Department through the Pennsylvania AT&T Relay Service at (800) 654-5984.

Applications Received under the Dam Safety and Encroachments Act (32 P. S. §§ 693.1—693.27) and section 302 of the Flood Plain Management Act (32 P. S. § 679.302) and Requests for Certification under section 401(a) of the FWPCA.

WATER OBSTRUCTIONS AND ENCROACHMENTS

Southcentral Region: Waterways & Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110, Ed Muzic, Section Chief, 717.705.4802.

E36-927: Transcontinental Gas Pipeline Company, LLC., 2800 Post Oak Boulevard, Level 17, Houston, TX, 77056, Drumore Township, **Lancaster County**, ACOE Baltimore District

To install and maintain a 60.0-foot long, 15.0-foot wide, single-span, steel beam bridge with cast-in-place concrete abutments over Wissler Run (HQ-WWF) (Latitude 39°48'19", Longitude -76°17'37") for the purpose of safely accessing a pipeline gate station in Drumore Township, Lancaster County. No wetlands will be impacted by this project.

District Oil & Gas Operations: Eastern Oil & Gas District, 208 West Third Street, Suite 101, Williamsport, PA 17701

E5829-080: Auburn Township, **Appalachia Midstream Services, LLC**, 100 IST Center, Horseheads, NY 14845, Auburn Township, **Susquehanna County**, ACOE Baltimore District.

To construct, operate, and maintain:

1. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber bridge crossing impacting 150 lineal feet of Nick Creek (CWF, MF) (Auburn Center, PA Quadrangle; Lat. 41° 41' 26", Long. -76° 01' 15"),

2. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber mat crossing impacting 7,667 square feet (0.18 acre) of a PEM wetland (Auburn Center, PA Quadrangle; Lat. 41° 41' 13", Long. -76° 01' 59"),

3. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber bridge crossing impacting 150 lineal feet of an unnamed tributary to Dority Creek (CWF, MF) (Auburn Center, PA Quadrangle; Lat. 41° 41' 14", Long. -76° 01' 55"),

4. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber bridge crossing impacting 150 lineal feet of an unnamed tributary to Dority Creek (CWF, MF) (Auburn Center, PA Quadrangle; Lat. 41° 41' 14", Long. -76° 01' 56"),

5. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber mat crossing impacting 6,621 square feet (0.15 acre) of a PEM wetland (Auburn Center, PA Quadrangle; Lat. 41° 41' 14", Long. -76° 01' 50"),

6. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber mat crossing impacting 697 square feet (0.02 acre) of a PEM wetland (Auburn Center, PA Quadrangle; Lat. 41° 41' 04", Long. -76° 02' 09"),

7. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber bridge crossing impacting 80 lineal feet of an unnamed tributary to Dority Creek (CWF, MF) (Auburn Center, PA Quadrangle; Lat. 41° 41' 04", Long. -76° 02' 09"),

8. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber mat crossing impacting 11,805 square feet (0.27 acre) of a PEM wetland (Auburn Center, PA Quadrangle; Lat. 41° 40' 56", Long. -76° 02' 34"),

9. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber mat crossing impacting

1,612 square feet (0.04 acre) of a PEM wetland (Auburn Center, PA Quadrangle; Lat. 41° 40' 45", Long. -76° 02' 44"),

10. a temporary timber mat crossing impacting 131 square feet (0.01 acre) of a PEM wetland (Auburn Center, PA Quadrangle; Lat. 41° 40' 39", Long. -76° 02' 51"),

11. one 8 inch and one 6 inch diameter natural gas pipelines and a temporary timber mat crossing impacting 1,786 square feet (0.04 acre) of a PEM wetland (Auburn Center, PA Quadrangle; Lat. 41° 30' 38", Long. -76° 02' 55").

The Rosiemar Gathering Line will consist of an 8" and 6" steel gas gathering line from the Rosiemar Well Pad to the Appalachia Midstream 10-023 gas gathering line, all located within Auburn Township, Susquehanna County. The project will result in 530 linear feet of temporary stream impacts and 30,319 (0.70 acre) square feet of temporary wetland impacts all for the purpose of conveying Marcellus Shale natural gas to market.

Northwest Region: Oil and Gas Program Manager, 230 Chestnut Street, Meadville, PA 16335, 814-332-6860

EA43-08-001, Halcon Field Service LLC, 2984 Kirila Blvd., Hermitage, Pa 16148, Colpetzer Surface Site in Perry Township, **Mercer County**, ACOE Pittsburgh District (Jackson Center, PA Quadrangle, N: 41° 22' 16.878"; W: 80° 13' 22.64").

To reduce the overall length of a 298 feet stream enclosure to 100 feet, for the purpose of stabilizing and restoring 198 linear feet of stream bank on UNT 36280 to Little Shenango River (TSF). The remaining 100 feet of culvert will be used as permanent access to the site off of Pa State Route 19. No wetlands will be impacted by this project.

ACTIONS

THE PENNSYLVANIA CLEAN STREAMS LAW AND THE FEDERAL CLEAN WATER ACT

FINAL ACTIONS TAKEN FOR NPDES PERMITS AND WQM PERMITS

The Department has taken the following actions on previously received applications for new, amended and renewed NPDES and WQM permits, applications for permit waivers and NOIs for coverage under General Permits. This notice of final action is provided in accordance with 25 Pa. Code Chapters 91 and 92a and 40 CFR Part 122, implementing provisions of The Clean Streams Law (35 P.S. §§ 691.1—691.101) and the Federal Clean Water Act (33 U.S.C.A. §§ 1251—1376).

| <i>Location</i> | <i>Permit Authority</i> | <i>Application Type or Category</i> |
|-----------------|-------------------------|--|
| Section I | NPDES | Renewals |
| Section II | NPDES | New or Amendment |
| Section III | WQM | Industrial, Sewage or Animal Wastes; Discharges to Groundwater |
| Section IV | NPDES | MS4 Individual Permit |
| Section V | NPDES | MS4 Permit Waiver |
| Section VI | NPDES | Individual Permit Stormwater Construction |
| Section VII | NPDES | NOI for Coverage under NPDES General Permits |

Sections I—VI contain actions regarding industrial, animal or sewage wastes discharges, discharges to groundwater, and discharges associated with MS4, stormwater associated with construction activities and CAFOs. Section VII contains notices for parties who have submitted NOIs for Coverage under General NPDES Permits. The approval for coverage under these General NPDES Permits is subject to applicable effluent limitations, monitoring, reporting requirements and other conditions in each General Permit. The approval of coverage for land application of sewage sludge or residential septage under applicable general permit is subject to pollutant limitations, pathogen and vector attraction reduction requirements, operational standards, general requirements, management practices and other conditions in the respective permit. The permits and related documents, effluent limitations, permitting requirements and other information are on file and may be inspected and arrangements made for copying at the contact office noted before the action.

Persons aggrieved by an action may appeal that action to the Environmental Hearing Board (Board) under section 4 of the Environmental Hearing Board Act (35 P.S. § 7514) and 2 Pa.C.S. §§ 501—508 and 701—704 (relating to Administrative Agency Law). The appeal should be sent to the Environmental Hearing Board, Second Floor, Rachel

Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the *Pennsylvania Bulletin* unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decisional law.

For individuals who wish to challenge an action, the appeal must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.

Important legal rights are at stake, however, so individuals should contact a lawyer at once. Persons who cannot afford a lawyer may qualify for free pro bono representation. Call the Secretary to the Board at (717) 787-3483 for more information.

I. NPDES Renewal Permit Actions

Northeast Regional Office: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915. Phone: 570.826.2511.

| <i>NPDES No. (Type)</i> | <i>Facility Name & Address</i> | <i>County & Municipality</i> | <i>Stream Name (Watershed No.)</i> | <i>EPA Waived Y/N?</i> |
|-----------------------------|---|--|---|----------------------------|
| PA0063223 (Sewage) | Martha J Vetter Residence 1562 River Road Damascus, PA 18415-3003 | Wayne County Damascus Township | Delaware River (1-A) | Y |
| PAS602205 (Storm Water) | Shafer's Auto Graveyard 233 Kromer Road Wind Gap, PA 18091 | Northampton County Bushkill Township | Unnamed Tributary of Bushkill Creek (1-F) | Y |
| PAS802219 (Storm Water) | USPS Lehigh Valley Vehicle Maintenance Facility 17 South Commerce Way Lehigh Valley, PA 18002-9371 | Northampton County Bethlehem Township | Unnamed Tributary to Monocacy Creek (2-C) | Y |

Northcentral Regional Office: Clean Water Program Manager, 208 W Third Street Suite 101, Williamsport, PA 17701-6448. Phone: 570.327.0530.

| <i>NPDES No. (Type)</i> | <i>Facility Name & Address</i> | <i>County & Municipality</i> | <i>Stream Name (Watershed No.)</i> | <i>EPA Waived Y/N?</i> |
|-----------------------------|--|---|---|----------------------------|
| PA0114367 (Sewage) | Danny Deivert Single Residence STP 55 Conley Road Mifflinburg, PA 17844 | Union County, Buffalo Township | Unnamed Tributary to Rapid Run (10-C) | Y |
| PA0060232 (Sewage) | US ACOE Lawrence Recreation Area Bliss Road Lawrenceville, PA 16946-9733 | Tioga County Lawrence Township | Cowanisque River (4-A) | Y |
| PA0229181 (SFTF) | Penn's Tavern Pa Route 147, Box 6098 Sunbury, PA 17801 | Northumberland County Lower Augusta Township | Susquehanna River (6-B) | Y |

Southwest Regional Office: Regional Clean Water Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

| <i>NPDES No. (Type)</i> | <i>Facility Name & Address</i> | <i>County & Municipality</i> | <i>Stream Name (Watershed No.)</i> | <i>EPA Waived Y/N?</i> |
|-----------------------------|---|---|---|----------------------------|
| PA0039489 (Sewage) | Garrett Borough STP Berlin Street Sr 2037 Garrett, PA 15542 | Somerset County Garrett Borough | Casselman River (19-F) | Y |
| PA0033294 (Sewage) | Franklin Manor 70 Security Drive Washington, PA 15301 | Washington County South Franklin Township | Unnamed Tributary to Chartiers Creek (20-F) | Y |

Northwest Region: Clean Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481

| <i>NPDES No. (Type)</i> | <i>Facility Name & Address</i> | <i>County & Municipality</i> | <i>Stream Name (Watershed #)</i> | <i>EPA Waived Y/N?</i> |
|------------------------------------|---|--------------------------------------|--------------------------------------|----------------------------|
| PA0103829 (Industrial Waste) | Precise Plastics 7700 Middle Road, Fairview, PA 16415 | Erie County Fairview Township | Trout Run (15-A) | Y |

II. New or Expanded Facility Permits, Renewal of Major Permits and EPA Nonwaived Permit Actions

Southeast Region: Clean Water Program Manager, 2 East Main Street, Norristown, PA 19401. Telephone 484-250-5970

NPDES Permit No. PA0011851, Industrial, **Superior Tube Co. Inc.**, 3900 Germantown Pike, Collegeville, PA 19426-3112.

This proposed facility is located in Lower Providence Township, **Montgomery County**.

Description of Proposed Action/Activity: Approval for the renewal of an NPDES permit to discharge industrial Wastewater from a facility known as Superior Tube Collegeville Facility to Perkiomen Creek and Unnamed Tributary to Perkiomen Creek in Watershed 3-E.

Northeast Region: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915. Phone: 570-826-2511.

NPDES Permit No. PA0064297, Sewage, SIC Code 4952, **Borough of Portland**, 206 Division Street, Portland, PA 18351.

This existing facility is located in the Borough of Portland, **Northampton County**.

Description of Existing Action/Activity: Issuance of an NPDES Permit for an existing discharge of treated sewage.

NPDES Permit No. PA0065480, Storm Water, SIC Code 4213, **FedEx Freight Inc.**, 2200 Forward Drive Dc; 2219, Harrison, AR 72601.

This proposed facility is located in Bethlehem City, **Northampton County**.

Description of Proposed Action/Activity: Issuance of an NPDES Permit for a new discharge of treated Storm Water.

Northcentral Regional Office: Regional Clean Water Program Manager, 208 W Third Street Suite 101, Williamsport, PA 17701-6448. Phone: 570.327.0530.

NPDES Permit No. PA0232475, CAFO, SIC Code 0213, **Martin Edward H**, 14435 Old Turnpike Road, Milmont, PA 17845.

This proposed facility is located in West Buffalo Township, **Union County**.

Description of Proposed Action/Activity: Issuance of an NPDES CAFO Permit. The CAFO will be designed to maintain an animal population of approximately 683 animal equivalent units (AEUs) consisting of 4800 Finishing Hogs.

Southwest Regional Office: Regional Clean Water Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

NPDES Permit No. PA0025674, Sewage, SIC Code 4952, **Franklin Township Municipal Sanitary Authority**, 3001 Meadowbrook Road, Murrysville, PA 15668-1627.

This existing facility is located in Murrysville Borough, **Westmoreland County**.

Description of Existing Action/Activity: Issuance of an NPDES Permit for an existing discharge of treated Sewage.

NPDES Permit No. PA0254789, Storm Water, SIC Code 12 and 5052, **Ridge Energy Company, Inc.**, 265 Swamp Road, Clymer, PA 15728.

This proposed facility is located in Stonycreek Township, **Somerset County**.

Description of Proposed Action/Activity: Issuance of an NPDES Permit for a new discharge of treated Storm Water associated with coal silt drying.

III. QM Industrial Waste and Sewerage Actions under The Clean Streams Law

Southeast Region: Clean Water Program Manager, 2 East Main Street, Norristown, PA 19401, 484.250.5900

QM Permit No. 4604404, Sewage, Transfer, **Aqua Pennsylvania Wastewater Inc.**, 762 West Lancaster Avenue, Bryn Mawr, PA 19010-3402.

This proposed facility is located in Worcester Township, **Montgomery County**.

Description of Action/Activity: Permit transferred from Little Washington Wastewater Co. to Aqua PA Wastewater Inc.

QM Permit No. WQG02151407, Sewage, **Valley Township**, P. O. Box 467, 890 West Lincoln Highway, Coatesville, PA 19320.

This proposed facility is located in Valley Township, **Chester County**.

Description of Action/Activity: Construction and operation of a new duplex non-clog sewage pump station to serve 115 single family homes.

Northeast Region: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915. Phone: 570-826-2511.

QM Permit No. 5214401, Sewage, SIC Code 4952, **PA American Water Co.**, 800 West Hershey Park Drive, Hershey, PA 17033.

This proposed facility is located in Lehman Township, **Pike County**.

Description of Proposed Action/Activity: Construction of a 2-meter belt filter press and associated equipment in a new building at the wastewater treatment plant.

QM Permit No. 4014401, Sewage, SIC Code 4952, **CAN DO Inc.**, One South Church Street, Hazleton, PA 18201.

This proposed facility is located in Hazle Township, **Luzerne County**.

Description of Proposed Action/Activity: Conversion of the existing chlorination/dechlorination disinfection process to Ultraviolet (UV) disinfection at the WWTP.

Northcentral Regional Office: Regional Clean Water Program Manager, 208 W Third Street Suite 101, Williamsport, PA 17701-6448. Phone: 570.327.0530.

WQM Permit No. 02141401, Sewage, SIC Code 4952, **University Area Joint Authority**, 1576 Spring Valley Road, State College, PA 16801.

This proposed facility is located in Patton Township, **Centre County**.

Description of Proposed Action/Activity: Construction and operation of a pump station to serve THE RESERVE at GRAY'S WOODS; a 24.6 acre, 38-plot single-family development.

Southwest Regional Office: Regional Clean Water Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745. Phone: 412.442.4000.

WQM Permit No. 5614200, Industrial Waste, SIC Code 12, **Ridge Energy Co.**, 265 Swamp Road, Clymer, PA 15728.

This proposed facility is located in Stonycreek Township, **Somerset County**.

Description of Proposed Action/Activity: Construction of a wastewater treatment plant for the treatment of stormwater associated with coal silt drying.

IV. NPDES Stormwater Discharges from MS4 Permit Actions

V. NPDES Waiver Stormwater Discharges from MS4 Actions

VI. NPDES Discharges of Stormwater Associated with Construction Activities Individual Permit Actions

Southeast Region: Water Management Program Manager, 2 East Main Street, Norristown, PA 19401

| <i>NPDES Permit No.</i> | <i>Applicant Name & Address</i> | <i>County</i> | <i>Municipality</i> | <i>Receiving Water/Use</i> |
|-------------------------|--|---------------|-------------------------------|----------------------------|
| PAI010913007 | LifeQuest 2460 John Fries Highway Quakertown, PA 18951 | Bucks | Milford and Richland Township | Unami Creek HQ—TSF—MF |

Northeast Region: Watershed Management Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

| <i>NPDES Permit No.</i> | <i>Applicant Name & Address</i> | <i>County</i> | <i>Municipality</i> | <i>Receiving Water/Use</i> |
|-------------------------|---|---------------|---------------------------------------|---|
| PAI021313005 | Big Boulder Corporation P. O. Box 707 Blakeslee, PA 18610 | Carbon | Kidder Township | UNT to Tunkhannock Creek (HQ-CWF, MF) |
| PAI024503001R | JEB Development, L.P. PO Box 64 Waverly, PA 18471 | Monroe | Hamilton Township Stroud Township | Pocono Creek (HQ-CWF, MF) |
| PAI024513017 | Kalahari Resorts, LLC 1305 Kalahari Drive, P. O. Box 590 Wisconsin Dells, WI 53965 | Monroe | Tobyhanna Township Pocono Township | Swiftwater Creek (EV) Unnamed Tributaries to Swiftwater Creek (EV) |
| | Pocono Manor Investors, PT-L1 P. O. Box 38, The Inn at Pocono Manor Pocono Manor, PA 18349 | | | Indian Run (EV) Unnamed Tributaries to Indian Run (EV) |
| PAI024513016 | Tobyhanna Township 105 Government Center Way Pocono Pines, PA 18350 | Monroe | Tobyhanna Township Pocono Township | Swiftwater Creek (EV) Unnamed Tributaries to Swiftwater Creek (EV) |
| | Kalahari Resorts, LLC 1305 Kalahari Drive, P. O. Box 590 Wisconsin Dells, WI 53965 | | | Indian Run (EV) |
| | Pocono Manor Investors, PT-L1 P. O. Box 38, The Inn at Pocono Manor Pocono Manor, PA 18349 | | | Unnamed Tributaries to Indian Run (EV) |
| PAI024813015 | MA Bushkill Holdings, LLC 1348 Hamilton Street Allentown, PA 18102 | Northampton | Bushkill Township | UNT to Bushkill Creek (HQ-CWF, MF) |

| <i>NPDES Permit No.</i> | <i>Applicant Name & Address</i> | <i>County</i> | <i>Municipality</i> | <i>Receiving Water/Use</i> |
|-------------------------|--|---------------|--------------------------------------|--|
| PAI025213002 | Dingman Township 118 Fisher Lane Milford, PA 18337 | Pike | Dingman Township Milford Township | Sawkill Creek (EV, MF) Savantine Creek (EV, MF) |

Southcentral Region: Waterways & Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110, Nathan Crawford, Section Chief, Telephone 717.705.4802.

| <i>Permit #</i> | <i>Applicant Name & Address</i> | <i>County</i> | <i>Municipality</i> | <i>Receiving Water/Use</i> |
|--|--|---------------|---------------------|--|
| PAI030611005(1) (Originally published as PAI030610012) The permit was issued April 25, 2014. | Quaker Hill Development Company 4339 Morgantown Road Mohnton, PA 19540 | Berks | Robeson Township | UNT Beaver Run (HQ-CWF,MF) |
| PAI033613004 The permit was issued April 24, 2014. | Forino Company, LP 555 Mountain Home Road Sinking Spring, PA 19608 | Lancaster | Mount Joy Township | UNT Donegal Creek (CWF, MF) Wetlands (EV) |

Northcentral Region: Waterways & Wetlands Program Manager, 208 West Third Street, Williamsport, PA 17701

Centre County Conservation District: 414 Holmes Avenue, Suite 4, Bellefonte, PA 16823, (814) 355-6817

| <i>NPDES Permit No.</i> | <i>Applicant Name & Address</i> | <i>County</i> | <i>Municipality</i> | <i>Receiving Water/Use</i> |
|-------------------------|---|---------------|---------------------|--------------------------------------|
| PAI041413008 | PA State University 101P Physical Plant Bldg University Park PA 16802 | Centre | College Township | Trib to Slab Cabin Run HQ-CWF, MF |

VII. Approvals to Use NPDES and/or Other General Permits

The EPA Region III Administrator has waived the right to review or object to this permit action under the waiver provision 40 CFR 123.23(d).

List of NPDES and/or Other General Permit Types

| | |
|-------------|---|
| PAG-1 | General Permit for Discharges From Stripper Oil Well Facilities |
| PAG-2 | General Permit for Discharges of Stormwater Associated With Construction Activities |
| PAG-3 | General Permit for Discharges of Stormwater From Industrial Activities |
| PAG-4 | General Permit for Discharges From Small Flow Treatment Facilities |
| PAG-5 | General Permit for Discharges From Gasoline Contaminated Ground Water Remediation Systems |
| PAG-6 | General Permit for Wet Weather Overflow Discharges From Combined Sewer Systems (CSO) |
| PAG-7 | General Permit for Beneficial Use of Exceptional Quality Sewage Sludge by Land Application |
| PAG-8 | General Permit for Beneficial Use of Non-Exceptional Quality Sewage Sludge by Land Application to Agricultural Land, Forest, a Public Contact Site or a Land Reclamation Site |
| PAG-8 (SSN) | Site Suitability Notice for Land Application Under Approved PAG-8 General Permit Coverage |
| PAG-9 | General Permit for Beneficial Use of Residential Septage by Land Application to Agricultural Land, Forest, or a Land Reclamation Site |
| PAG-9 (SSN) | Site Suitability Notice for Land Application Under Approved PAG-9 General Permit Coverage |
| PAG-10 | General Permit for Discharge Resulting from Hydrostatic Testing of Tanks and Pipelines |
| PAG-11 | (To Be Announced) |
| PAG-12 | Concentrated Animal Feeding Operations (CAFOs) |
| PAG-13 | Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4) |
| PAG-14 | (To Be Announced) |
| PAG-15 | General Permit for Discharges From the Application of Pesticides |

*General Permit Type—PAG-02**Facility Location:*

| <i>Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water/Use</i> | <i>Contact Office & Phone No.</i> |
|--|--------------------|--|---|--|
| Buckingham Township Bucks County | PAG0200 0910010 | Kim Darla Corsini 80 Leesville Road Jackson, NJ 08527 | Unnamed Tributary to Mill Creek WWF—MF | Southeast Regional Office 2 East Main Street Norristown, PA 19401 484-250-5900 |
| Upper Makefield Township Bucks County | PAG0200 0913076 | Zaveta Construction Co., Inc. 4030 Skyron Drive Doylestown, PA 18904 | Unnamed Tributary to the Delaware River WWF—MF | Southeast Regional Office 2 East Main Street Norristown, PA 19401 484-250-5900 |
| Quakertown Borough and Richland Township Bucks County | PAG0200 0914024 | Borough of Quakertown 35 North 3rd Street Quakertown, PA 18951 | Tohickon Creek TSF | Southeast Regional Office 2 East Main Street Norristown, PA 19401 484-250-5900 |
| Hatfield Borough Montgomery County | PAG0200 4614011 | Thomas Clemens 2700 Clemens Road P O Box 902 Hatfield, PA 19440 | Unnamed Tributary to Skippack Creek TSF | Southeast Regional Office 2 East Main Street Norristown, PA 19401 484-250-5900 |
| Whitemarsh Township Montgomery County | PAG0200 4614015 | Mike Vlasic 7050 Camp Hill Road Fort Washington, PA 19034 | Sandy Run Creek TSF | Southeast Regional Office 2 East Main Street Norristown, PA 19401 484-250-5900 |

*Northeast Region: Watershed Management Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915**Facility Location:*

| <i>Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water/Use</i> | <i>Contact Office & Phone No.</i> |
|---|-------------------|--|---|--|
| Jessup Borough Lackawanna County | PAG02003514005 | Scranton Lackawanna Industrial Building Company P. O. Box 431 222 Mulberry Street Scranton, PA 18501 | Grassy Island Creek (CWF, MF) | Lackawanna County Conservation District 570-392-3086 |
| City of Bethlehem Northampton County | PAG02004808027R | Gary Falasca Lehigh University 461 Webster St. Bethlehem, PA 18015 | UNT Saucon Creek (CWF, MF) | Northampton County Conservation District 610-746-1971 |
| Moore Township Northampton County | PAG02004813029 | Abraham Atiyeh 1177 N. Sixth Street Whitehall, PA 18052 | Hokendauqua Creek (CWF, MF) | Northampton County Conservation District 610-746-1971 |
| Upper Nazareth Township and Nazareth Borough Northampton County | PAG02004811004R | Susan Drabic Morningstar Senior Living, Inc. 175 West North Street Nazareth, PA 18064 | UNT Schoeneck Creek (WWF, MF) | Northampton County Conservation District 610-746-1971 |
| City of Pottsville Schuylkill County | PAG02005404005RR | MBC Properties Attn: James Miller, Sr. P. O. Box 472 950 East Main Street Schuylkill Haven, PA 17972 | West Branch of the Schuylkill River (CWF, MF) | Schuylkill County Conservation District 570-622-3742 |
| Porter Township Frailey Township Schuylkill County | PAG02005409011RR | Future Power PA LLC 72 Glenmaura National Blvd. Moosic, PA 18507 | Good Spring Creek (CWF, MF) | Schuylkill County Conservation District 570-622-3742 |

NOTICES

2913

Waterways & Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110-8200, Nathan Crawford, Section Chief, 717.705.4802

Facility Location:

| <i>Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> |
|--|-------------------|---|------------------------------------|---|
| Ontelaunee Township Berks County | PAG02000614009 | Reading Area Water Authority 1801 Kutztown Road Reading, PA 19604 | Maiden Creek / WWF, MF | Berks County Conservation District 1238 County Welfare Road, Suite 200 Leesport, PA 19533-0520 610.372.4657 |
| Birdsboro Borough Berks County | PAG02000614018 | MB Investments 2650 Audubon Road Audubon, PA 19403 | Schuylkill River / WWF, MF | Berks County Conservation District 1238 County Welfare Road, Suite 200 Leesport, PA 19533-0520 610.372.4657 |
| Bethel Township Berks County | PAG02000607067R | Greydon Sargent, Prologis 60 State Street, Suite 1200 Boston, MA 02109 | UNT to Little Swatara / CWF, MF | Berks County Conservation District 1238 County Welfare Road, Suite 200 Leesport, PA 19533-0520 610.372.4657 |
| Lower Heidelberg Township Berks County | PAG02000614004 | Grande Land, LP 2213 Quarry Road West Lawn, PA 19609 | Little Cacoosing Creek/ WWF, MF | Berks County Conservation District 1238 County Welfare Road, Suite 200 Leesport, PA 19533-0520 610.372.4657 |
| Spring Grove Borough York County | PAG02006713061 | Spring Forge Development 6259 Reynolds Mill Road Seven Valleys, PA 17360 | UNT to Codorus Creek / WWF | York County Conservation District 118 Pleasant Acres Road York, PA 17402 717.840.7430 |
| West Manchester Township York County | PAG02006713059 | ADE Design 2140 Herr Street Harrisburg, PA 17103-1699 | UNT to Codorus Creek / WWF | York County Conservation District 118 Pleasant Acres Road York, PA 17402 717.840.7430 |
| Dover Township York County | PAG02006705051R | Brenda Nestor 3310 Lake Ridge Lane Weston, FL 33332 | Fox Run / TSF | York County Conservation District 118 Pleasant Acres Road York, PA 17402 717.840.7430 |

*Facility Location:
Municipality &
County*

| <i>Facility Location: Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> |
|---|-------------------|--|----------------------------------|---|
| Warrington Township York County | PAG02006712022R | Donald & Beverly Burkey 320 West Camping Road Dover, PA 17315 | UNT to Conewago Creek / WWF | York County Conservation District 118 Pleasant Acres Road York, PA 17402 717.840.7430 |
| Newberry Township York County | PAG02006713062 | Gregory J. Myers & Nina M. Myers 110 Miller Road York Haven, PA 17370 | Bennett Run / WWF | York County Conservation District 118 Pleasant Acres Road York, PA 17402 717.840.7430 |

Northcentral Region: Watershed Management Program Manager, 208 West Third Street, Williamsport, PA 17701

*Facility Location:
Municipality &
County*

| <i>Facility Location: Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> |
|---|--------------------|---|----------------------------------|--|
| Harris Township Centre County | PAG02001408011R | GTW Associates 1951 Pine Hall Rd Ste 150 State College PA 16801 | Spring Creek HQ-CWF | Centre County Conservation District 414 Holmes Avenue, Suite 4 Bellefonte, PA 16823 (814) 355-6817 |
| Spring Township Centre County | PAG02001414005 | UGW LP 3340 W College Ave State College PA 16801 | UNT to Logan Branch CWF | Centre County Conservation District 414 Holmes Avenue, Suite 4 Bellefonte, PA 16823 (814) 355-6817 |
| Ferguson Township Centre County | PAG02001414014R(1) | S & A Homes Inc 2121 Old Gatesburg Rd Ste 200 State College PA 16803 | UNT to big Hollow Run CWF | Centre County Conservation District 414 Holmes Avenue, Suite 4 Bellefonte, PA 16823 (814) 355-6817 |
| Cooper & Mahoning Twps Montour County | PAG02004712002(1) | Cooper Township Muni Auth 19 Steltz Rd Danville PA 17821 | Sechler Run CWF | Montour County Conservation District 112 Woodbine Ln Ste 2 Danville PA 17821 Phone: (570) 271-1140 |
| Boro of Northumberland Northumberland County | PAG02004914001 | Shikellamy Middle School 200 Island Blvd Sunbury PA 17801 | Susquehanna River WWF, MF | Northumberland County Conservation District 441 Plum Creek Rd Sunbury, PA 17801 Phone: (570) 286-7114 ext. 4 |

Northwest Regional Office—Waterways and Wetlands, 230 Chestnut Street, Meadville PA 16335

| <i>Facility Location: Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> |
|---|-------------------|--|--|--|
| Saxonburg Borough Butler County | PAG02001014007 | Saxonburg DPP IX LLC 9010 Overlook Bld Brentwood TX 37027 | Thorn Creek CWF | Butler County Conservation District 724-284-5270 |
| Clarion Borough Clarion County | PAG02001614002 | Clarion County Eagle Contractor 840 Wood Street 306 West Main Clarion PA 16214 | Trout Run CWF | Clarion County Conservation District 284-297-7813 |
| Summit Township Erie County | PAG02002513023 | Citadel Development Company PO Box 8328 Erie PA 16505 | Unt Elk Creek CWF; MF | Erie County Conservation District 814-825-6403 |
| Fairview Township Erie County | PAG02002511018R | Walt Bender 12076 Edinboro Road Edinboro PA 16412 | Lake Erie CWF; MF | Erie County Conservation District 814-825-6403 |
| City of Erie Erie County | PAG02002514005 | Erie Veteran Medical Affairs 135 East 38th Street Erie PA 16504 | Unt Lake Erie/ Lake Erie WWF; MF | Erie County Conservation District 814-825-6403 |
| Washington Township Erie County | PAG02002514006 | Rob Estok—Tri-State Rental Properties LLC 5460 Old State Road Edinboro PA 16412 | Unt Conneauttee Creek; WWF | Erie County Conservation District 814-825-6403 |
| Millcreek Township Erie County | PAG02002514009 | Ashford Hospitality 7820 Perry Hwy Erie PA 16509 | Unt Walnut Creek CWF; MF | Erie County Conservation District 814-825-6403 |
| Borough of Greenville Mercer County | PAG02004313005(1) | Thiel College 75 College Avenue Greenville PA 16125 | Little Shenango River TSF | Mercer County Conservation District 724-662-2242 |
| City of Hermitage Mercer County | PAG02004314001 | City of Hermitage c/o Gary Hinkson, Mgr. 800 N. Hermitage Road Hermitage PA 16148 | Hogback Run WWF | Mercer County Conservation District 724-662-2242 |
| Columbus Township Warren County | PAG02006214001 | MWR Raceway LLC/ Mark Matthews 31 Curtis Street, PO Box 244 Columbus PA 16405 | Unt Brokenstraw Creek CWF | Warren County Conservation District 814-726-1441 |

General Permit Type—PAG-03

| <i>Facility Location: Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> |
|---|-------------------|--|----------------------------------|---|
| Pittston Township Luzerne County | PAG032204 | Dupont Terminals Corporation PO Box 2621 Harrisburg, PA 17105-2621 | Collins Creek—5-A CWF-MF | DEP Northeast Regional Office Clean Water Program 2 Public Square, Wilkes-Barre, PA 18701-1915 570.826.2511 |

| <i>Facility Location: Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> |
|--|-------------------|--|---|--|
| DuBois City Clearfield County (Industrial Stormwater) | PAR214835 | DuBrook Inc. P. O. Box 376 Falls Creek, PA 15840 | Juniata Run and Beaver Run—17-C | DEP Northcentral Regional Office Clean Water Program 208 W Third Street Suite 101, Williamsport, PA 17701-6448 570.327.0530 |
| Neville Township Allegheny County | PAR206149 A-1 | Gottlieb Inc. 5603 Grand Avenue Pittsburgh, PA 15225 | Ohio River— WWF—20-G | DEP Southwest Regional Office Clean Water Program 400 Waterfront Drive, Pittsburgh, PA 15222-4745 412.442.4000 |
| Hopewell Township Beaver County | PAG036109 | Federal Express Newark Intl Airport Bldg 347 Newark, NJ 07114 | Unnamed Tributary to Ohio River—20-G WWF | DEP Southwest Regional Office Clean Water Program 400 Waterfront Drive, Pittsburgh, PA 15222-4745 412.442.4000 |
| City of Pittsburgh Allegheny County | PAG036110 | Federal Express Newark Intl. Airport Bldg. 347 Newark, NJ 07114 | Allegheny River—18-A WWF | DEP Southwest Regional Office Clean Water Program 400 Waterfront Drive, Pittsburgh, PA 15222-4745 412.442.4000 |
| Mahoning Township Lawrence County | PAR708321 | Dunbar Asphalt Products, Inc. PO Box 477 Wheatland, PA 16161 | Unnamed Tributary to the Mahoning River 20-B | DEP NWRO Clean Water Program 230 Chestnut Street Meadville, PA 16335-3481 814/332-6942 |

General Permit Type—PAG-4

| <i>Facility Location: Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> |
|---|-------------------|---|----------------------------------|--|
| Fairview Township Erie County | PAG041150 | Tannery Road Subdivision Treatment Facility Association 8270 Sterrettania Road, Girard, PA 16417 | Brandy Run 15-A | DEP NWRO Clean Water Program 230 Chestnut Street Meadville, PA 16335-3481 814/332-6942 |

General Permit Type—PAG-5

| <i>Facility Location: Municipality & County</i> | <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> |
|---|-------------------|---|---|---|
| Whitpain Township Montgomery County | PAG050090 | Center Square Corp 440 Creamery Way Suite 500 Exton, PA 19341 | Unnamed Tributary to Stony Creek—3-F | DEP Southeast Regional Office Clean Water Program 2 E Main Street, Norristown, PA 19401 484.250.5970 |

*General Permit Type—PAG-8 (SSN)**Facility Location:
Municipality &
County*

| <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Site Name & Location</i> | <i>Contact Office & Phone No.</i> | |
|---|---|-------------------------------------|---|------------------|
| Washington Township Northampton County | WMGR-099 | Synagro | Hester Farm | PA DEP NERO |
| | PAG 08-3565 | 1605 Dooley Road | 136 Hester Road | 2 Public Square |
| | PAG 08-3506 | P. O. Box B | Washington | Wilkes-Barre, PA |
| | PAG 07-0003 | Whiteford, MD 21160 | Township | 18701-1915 |
| | PAG 07-0005 | | | (570) 826-2511 |
| | PAG 08-3515 | | | |
| | PAG 08-3501 | | | |
| | PAG 08-3825 | | | |
| | PAG 08-9904 | | | |
| | PAG 08-9903 | | | |
| | PAG 08-3596 | | | |
| | PAG 08-3510 | | | |
| | PAG 08-3597 | | | |
| | PAG 08-2211 | | | |
| | PAG 07-3508 | | | |
| | PAG 08-2203 | | | |
| | PAG 08-3522 | | | |
| | PAG 08-0008 | | | |
| | PAG 08-0003 | | | |
| | PAG 08-0005 | | | |
| | PAG 08-0002 | | | |
| | PAG 08-9905 | | | |
| | PABIG-9903 | | | |
| | PAG 08-3567 | | | |
| | PAG 08-3600 | | | |
| | PAG 08-2219 | | | |
| | PAG 08-3535 | | | |
| | PAG 08-3547 | | | |
| | PAG 08-0004 | | | |
| | PAG 08-3551 | | | |
| | PAG 08-0006 | | | |
| | PAG 08-3518 | | | |
| | PAG 08-3605 | | | |
| | PAG 08-3540 | | | |
| | PAG 08-0011 | | | |
| | PAG 08-3556 | | | |
| | PAG 08-0018 | | | |
| | PAG 08-3573 | | | |
| | PAG 08-0021 | | | |

*General Permit Type—PAG-10**Facility Location:
Municipality &
County*

| <i>Permit No.</i> | <i>Applicant Name & Address</i> | <i>Receiving Water / Use</i> | <i>Contact Office & Phone No.</i> | |
|--------------------------------------|---|--|--|--|
| Allentown City Lehigh County | PAG102309 | Allentown Terminal Corp PO Box 2621 Harrisburg, PA 17105 | Unnamed Tributary to Lehigh River— 2-C / CWF | DEP Northeast Regional Office Clean Water Program 2 Public Square, Wilkes-Barre, PA 18701-1915 570.826.2511 |
| Washington City Washington County | PAG106179 | Comtech Industries, Inc. 1301 Ashwood Drive Canonsburg, PA 15317 | Chartiers Creek—20-F WWF | DEP Southwest Regional Office Clean Water Program 400 Waterfront Drive, Pittsburgh, PA 15222-4745 412.442.4000 |

*Facility Location:
Municipality &
County*

Bellevue Borough
Allegheny County

Permit No.
PAG136216

*Applicant Name &
Address*
Bellevue Borough
537 Bayne Avenue
Pittsburgh, PA 15202

*Receiving
Water / Use*
Ohio River and
Jack's Run
20-G

*Contact Office &
Phone No.*
DEP Southwest
Regional Office
Clean Water Program
400 Waterfront Drive,
Pittsburgh, PA
15222-4745
412.442.4000

Mt. Oliver Borough
Allegheny County

PAG136242

Mt. Oliver Borough
150 Brownsville Road
Pittsburgh, PA 15210

Unnamed Tributary
of Monongahela
River
19-A

DEP Southwest
Regional Office
Clean Water Program
400 Waterfront Drive,
Pittsburgh, PA
15222-4745
412.442.4000

PUBLIC WATER SUPPLY PERMITS

The Department has taken the following actions on applications received under the Pennsylvania Safe Drinking Water Act (35 P. S. §§ 721.1—721.17) for the construction, substantial modification or operation of a public water system.

Persons aggrieved by an action may appeal that action to the Environmental Hearing Board (Board) under section 4 of the Environmental Hearing Board Act and 2 Pa.C.S. §§ 501—508 and 701—704. The appeal should be sent to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the *Pennsylvania Bulletin* unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decisional law.

For individuals who wish to challenge an action, the appeal must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.

Important legal rights are at stake, however, so individuals should show this document to a lawyer at once. Persons who cannot afford a lawyer may qualify for free pro bono representation. Call the Secretary to the Board at (717) 787-3483 for more information.

SAFE DRINKING WATER

Actions taken under the Pennsylvania Safe Drinking Water Act

Southeast Region: Water Supply Management Program Manager, 2 East Main Street, Norristown, PA 19401

Permit No. 2314503, Public Water Supply.

Applicant **Chester Water Authority**
415 Welsh Street
Chester, PA 19016

Township Little Britain

| | |
|----------------------------|---|
| County | Lancaster |
| Type of Facility | PWS |
| Consulting Engineer | GHD 1240 North Mountain Road Harrisburg, PA 17112 |
| Permit to Construct Issued | May 1, 2014 |

Operations Permit #4614504 issued to: **Audubon Water Company**, 2650 Eisenhower Drive, Suite 104-A, Norristown, PA 19403, [(PWSID)] Lower Providence Township, **Montgomery County** on May 1, 2014 for the operation of a 4-Log Treatment of Viruses at Entry Points 101, 102, 104, 107, 108, 109, 111, 114, 115, and 116.

Operations Permit #4614505 issued to: **Audubon Water Company**, Valley Forge Terrace MHP, 2650 Eisenhower Drive, Suite 104-A, [(PWSID)] Norristown, PA 19403, **Montgomery County** on May 1, 2014 for the operation of a 4-Log Treatment of Viruses at Entry Points, 101, 102, and 103.

Operations Permit #4614506 issued to **Pennsylvania American Water Company**, 800 West Hershey Park Drive Hershey, PA 17033 [(PWSID)] West Norristown Township, **Montgomery County** on May 1, 2014 for the operation of New Forrest Avenue Booster Pump Station approved under construction permit #4613502.

Northeast Region: Safe Drinking Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915

Permit No. 4014503, Public Water Supply.

| | |
|----------------------------|---|
| Applicant | Aqua Pennsylvania, Inc. 1 Aqua Way White Haven, Pa 18661 |
| [Borough or Township] | Hazle Township |
| County | Luzerne |
| Type of Facility | PWS |
| Consulting Engineer | William A. LaDieu, PE GHD 1240 North Mountain Rd. Harrisburg, Pa 17112 |
| Permit to Construct Issued | April 30, 2014 |

*Southcentral Region: Safe Drinking Water Program
Manager, 909 Elmerton Avenue, Harrisburg, PA 17110*

Permit No. 2813501 MA, Minor Amendment, Public Water Supply.

Applicant **Valley View Manor MHP**
Municipality Antrim Township
County **Franklin**
Responsible Official Thomas E. Grosh
PO Box 223
15485 Park Dr
State Line, PA 17263

Type of Facility GWR 4-log treatment of viruses for EP 101. Permit amendment to modify the the configuration of the contact piping in a previously issued permit.

Consulting Engineer John M. High, P.E.
William A. Brindle Associates Inc.
336 Lincoln Way East
Chambersburg, PA 17201

Permit to Construct Issued 4/25/2014

Permit No. 3614507, Minor Amendment, Public Water Supply.

Applicant **Dutch Treat Motel**
Municipality Strassburg Township
County **Lancaster**
Responsible Official Ashish Joshi, Manager
265 Herr Road
Ronks, PA 17572

Type of Facility Anion exchange nitrate treatment and demonstration of 4-Log treatment of viruses.

Consulting Engineer Charles A. Kehew II, P.E.
James R. Holley & Associates, Inc.
18 South George Street
York, PA 17401

Permit to Construct Issued 5/1/2014

Permit No. 4414501 MA, Minor Amendment, Public Water Supply.

Applicant **Municipal Authority of the Borough of Lewistown**
Municipality Derry Township
County **Mifflin**
Responsible Official Craig Bubb, Superintendent
70 Chestnut Street
Lewistown, PA 17004-2216

Type of Facility Projects approves the installation of 8,540 linear feet of new water mains to extend the existing distribution system to serve Hillside Terrace MHP (PWSID 4440299).

The Pennsylvania Infrastructure Investment Authority, which administers the Commonwealth's State Revolving Fund, is the funding source for this project. The Department determined that this project will not individually, cumulatively over time, or in conjunction with other federal, state, local or private actions, have a significant effect on the quality of the environment. On February 6, 2013, the Department approved the project for a categorical exclusion from the State Environmental Review Process (SERP).

Consulting Engineer John T. Mazich, P.E.
Uni-Tec Consulting Engineers, Inc.
2007 Cato Avenue
State College, PA 16801

Permit to Construct Issued 4/8/2014

Permit No. 3614506, Public Water Supply.

Applicant **Linville Hill Mennonite School**
Municipality Paradise Township
County **Lancaster**
Responsible Official Galen D. Beiler, Accounts Manager
295 South Kinzer Road
Paradise, PA 17562-9790

Type of Facility Installation of an anion exchange nitrate treatment system.

Consulting Engineer Charles A. Kehew II, P.E.
James R. Holley & Associates, Inc.
18 South George Street
York, PA 17401

Permit to Construct Issued 5/5/2014

Permit No. 4414502 MA, Minor Amendment, Public Water Supply.

Applicant **Municipal Authority of the Borough of Lewistown**
Municipality Derry Township
County **Mifflin**
Responsible Official Craig Bubb, Superintendent
70 Chestnut Street
Lewistown, PA 17004-2216

Type of Facility Projects approves the installation of 12,350 linear feet of new water mains to extend the existing distribution system to serve an area of Derry Township currently served by private wells.

The Pennsylvania Infrastructure Investment Authority, which administers the Commonwealth's State Revolving Fund, is the funding source for this project. The Department determined that this project will not individually, cumulatively over time, or in conjunction with other federal, state, local or private actions, have a significant effect on the quality of the environment. On February 6, 2013, the Department approved the project for a categorical exclusion from the State Environmental Review Process (SERP).

Consulting Engineer John T. Mazich, P.E.
Uni-Tec Consulting Engineers,
Inc.
2007 Cato Avenue
State College, PA 16801

Permit to Construct 5/5/2014
Issued

Transferred Comprehensive Operation Permit No. 4310298 issued to: Shover Investment Group, LLC (PWS ID No. 4310298), Porter Township, **Huntingdon County** on 5/1/2014. Action is for a Change in Ownership for Hartslog Courts MHP, Huntingdon County for the operation of facilities previously issued to Landmark Signature Homes, LLC.

Operation Permit No. 4310817 issued to: **Wilt Incorporated** (PWS ID No. 4310817), Porter Township, **Huntingdon County** on 4/30/2014 for facilities at Diner 22 submitted under Application No. 4310817.

Operation Permit No. 6713504 MA issued to: **Hanover Municipal Water Works** (PWS ID No. 7670076), Penn Township, **York County** on 5/5/2014 for facilities approved under Construction Permit No. 6713504 MA.

Operation Permit No. 0713509 issued to: **Martinsburg Municipal Authority** (PWS ID No. 4070030), North Woodbury Township, **Blair County** on 4/30/2014 for facilities approved under Construction Permit No. 0713509.

Southwest Region: Water Supply Management Program Manager, 400 Waterfront Drive, Pittsburgh, Pa 15222-4745

Permit No. 0213530, Public Water Supply.

Applicant **Municipal Authority of Westmoreland County**
124 Park & Pool Road
New Stanton, PA 15672

[Borough or Township] City of McKeesport
County **Allegheny**

Type of Facility Renzie #2 water storage tank

Consulting Engineer Gibson-Thomas Engineering Co.,
Inc.
1004 Ligonier Street
PO Box 853
Latrobe, PA 15650

Permit to Construct April 25, 2014
Issued

Permit No. 0213529, Public Water Supply.

Applicant **Municipal Authority of Westmoreland County**
124 Park & Pool Road
New Stanton, PA 15672

[Borough or Township] City of McKeesport
County **Allegheny**

Type of Facility Alpine water storage tank

Consulting Engineer Gibson-Thomas Engineering Co.,
Inc.
1004 Ligonier Street
PO Box 853
Latrobe, PA 15650

Permit to Construct April 25, 2014
Issued

Operations Permit issued to: **Beaver Falls Municipal Authority**, 1425 Eighth Avenue, Beaver Falls, PA 15010, (PWSID #5040012) Eastvale Borough, **Beaver County** on April 25, 2014 for the operation of facilities approved under Construction Permit # 0411504.

Permit No. 0214521MA, Minor Amendment. Public Water Supply.

Applicant **Pittsburgh Water & Sewer Authority**
Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh, PA 15222

[Borough or Township] City of Pittsburgh
County **Allegheny**

Type of Facility Water system

Consulting Engineer

Permit to Construct April 30, 2014
Issued

Permit No. 5613509GWR, Minor Amendment. Public Water Supply.

Applicant **Addison Area Water Authority**
PO Box 13
Addison, PA 15411

[Borough or Township] Addison Borough
County **Somerset**

Type of Facility Water system

Consulting Engineer

Permit to Operate April 25, 2014
Issued

Northwest Region: Safe Drinking Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481

Permit No. 4214501 Public Water Supply

Applicant **FHO Corporation, Inc.**

Township or Borough Bradford Township
County **McKean**

Type of Facility Public Water Supply

Consulting Engineer Steven R. Halmi, P.E.
Deiss & Halmi Engineering, Inc.
105 Meadville Street
Edinboro, PA 16412

Permit to Construct May 5, 2014
Issued

WATER ALLOCATIONS

Actions taken on applications received under the act of June 24, 1939 (P. L. 842, No. 365) (35 P. S. §§ 631—641) relating to the acquisition of rights to divert waters of the Commonwealth.

Northeast Region: Safe Drinking Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

WA 39-705D, Water Allocation, **Township of Salisbury**, 3000 South Pike Avenue, Allentown, PA 18103, Salisbury Township, **Lehigh County**. This permit grants the Township of Salisbury the right to purchase up to 1,500 gpd, based on a daily average in a peak month, from the City of Bethlehem. Permit issued May 5, 2014.

Southcentral Region: Safe Drinking Water Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110-8200

WA 67-1000A, Water Allocations. **Dover Borough, York County**. Requesting the right to purchase up to 150,000 gallon per day from Dover Township. Consulting Engineer: Charles A Kehew II, James R. Holley & Associates, Inc., Application Received: 3/28/2014.

Southwest Region: Water Supply Management Program Manager, 400 Waterfront Drive, Pittsburgh, Pa 15222-4745

WA56-1009, Water Allocations. **Municipal Authority of the Township of Jenner**, PO Box 115, Boswell, PA 15561, Jenner Township, **Somerset County**. Permit grants the right to purchase 79,000 gallons of water per day, as a peak month, 30-day average, from the Somerset County General Authority.

SEWAGE FACILITIES ACT PLAN DISAPPROVAL

Plan Approvals Granted Under the Pennsylvania Sewage Facilities Act (35 P. S. § 750.5)

Southcentral Region: Water Management Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. 717-705-4707.

Plan Location:

| Borough or Township | Borough or Township Address | County |
|---------------------|-------------------------------------|-----------|
| West Earl Township | 157 Metzler Rd, Brownstown PA 17508 | Lancaster |

Plan Description: The planning module for the Lamar Weaver Subdivision, DEP Code No. A3-36959-192-2, APS Id 834122, providing for the creation of a 1.132 acre lot using an individual on lot sewage disposal system is disapproved. The property is located on the east side of South Fairmount Road, approximately 800 feet north of Wissler Road in West Earl Township. This plan is disapproved because the preliminary hydrogeologic study inaccurately characterized the background nitrate-nitrogen concentration in the groundwater under the proposed subdivision. All of the water sample locations were about 1/4 mile away from the proposed lot and only one of those samples was within the same drainage basin as the proposed lot. Also, the proposed groundwater recharge easement used to mitigate the plume from the proposed on lot sewage disposal system is insufficient in size and position to be acceptable. The easement does not provide enough recharge down gradient of the proposed system to mitigate the impact prior to the plume moving down a well-defined drainage swale and onto the neighbor's property.

LAND RECYCLING AND ENVIRONMENTAL REMEDIATION

UNDER ACT 2, 1995
PREAMBLE 2

The following plans and reports were submitted under the Land Recycling and Environmental Remediation Standards Act (35 P. S. §§ 6026.101—6026.907).

Provisions of Sections 301—308 of the Land Recycling and Environmental Remediation Standards Act (act) (35 P. S. §§ 6026.301—6026.308) require the Department to publish in the *Pennsylvania Bulletin* a notice of submission of plans and reports. A final report is submitted to document cleanup of a release of a regulated substance at a site to one of the act's remediation standards. A final report provides a description of the site investigation to characterize the nature and extent of contaminants in environmental media, the basis for selecting the environmental media of concern, documentation supporting the selection of residential or nonresidential exposure factors, a description of the remediation performed and summaries of sampling analytical results which demonstrate that remediation has attained the cleanup standard selected. Submission of plans and reports, other than the final report, will also be published in the *Pennsylvania Bulletin*. These include the remedial investigation report, risk assessment report and cleanup plan for a site-specific standard remediation. A remedial investigation report includes conclusions from the site investigation; concentration of regulated substances in environmental media; benefits of reuse of the property; and, in some circumstances, a fate and transport analysis. If required, a risk assessment report describes potential adverse effects caused by the presence of regulated substances. If required, a cleanup plan evaluates the abilities of potential remedies to achieve remedy requirements.

For further information concerning plans or reports, contact the environmental cleanup program manager in the Department regional office under which the notice of receipt of plans or reports appears. If information concerning plans or reports is required in an alternative form, contact the community relations coordinator at the appropriate regional office. TDD users may telephone the Department through the AT&T Relay Service at (800) 654-5984.

The Department has received the following plans and reports:

Northeast Region: Eric Supey, Environmental Cleanup and Brownfields Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

Kinship Square, 165 North Main Street, Wilkes-Barre City, **Luzerne County**, Dave Fife, Quad3 Group Inc., has submitted a Final Report on behalf of his client, Dave Selingo, 345 Market Street, Kingston, PA 18704, concerning the remediation of soil due to historical operations as a dry cleaning operation. UST's (underground storage tanks) of various sizes were present at one time which contained heating oil, diesel, gasoline and solvents. The applicant proposes to remediate the site to meet the Statewide Health Standards for soil. The intended future use of the site is non-residential. A summary of the Final Report was published in *The Citizens Voice* on March 1, 2014.

Equity LifeStyle Properties, Inc., (Li'l Wolf Circle), 3510 Li'l Wolf Circle, North Whitehall Township, **Lehigh**

County, Tom Schreffler, Light-Heigel & Associates, has submitted a Notice of Intent to Remediate and a Final Report on behalf of his client, Jerry Fenstermaker, Equity LifeStyle Properties, Inc., 3411 Li'l Wolf Drive, Orefield, PA 18069, concerning the remediation of soil due to approximately 10 gallons of #2 fuel oil which leaked from an above ground storage tank. The applicant proposes to remediate the site to meet the Residential Statewide Health Standards for soil. The intended future use of the site is residential. A summary of the Notice of Intent to Remediate was published in the *Morning Call* on December 7, 2013. A summary of the Final Report was published in the *Morning Call* on April 11, 2014.

Sara Rivera Residence, 3215 Darien Road, Bethlehem Township, **Northampton County**, Richard Trimpi, Trimpi Associates, Inc., has submitted an NIR (Notice of Intent to Remediate) and a Final Report on behalf of their client, Sara Rivera. 3215 Darien Road, Bethlehem, PA 18020, concerning the remediation of soil from fuel oil released when a portion of piping failed at the base of one of two manifold 275 gallon tanks in the basement of the home. The report was submitted to document attainment of the Residential Statewide Health Standard for soil. A public notice regarding the submission of the NIR and Final Report was published in *The Express Times* on March 28, 2014.

J. H. Beers, Inc., Male Road, Wind Gap Borough, Plainfield & Bushkill Township, **Northampton County**, Scott Campbell, EarthRes Group, Inc., has submitted a RIR (Remedial Investigation Report) on behalf of his client, Robert Zarrizski, PO Box 669 Male Road, Wind Gap, PA 18091, concerning the remediation of soil due to the historical activities on the site from being used as a slate quarry, a processing mill for slate and as a tire pyrolysis processing facility. Past uses have impacted the soil with pyro-oil related organic compounds and low levels of metals and petroleum hydrocarbons. The applicant proposes to remediate the site to meet the Site Specific Standards for soil. The intended future use of the site is for non-residential purposes. A summary of the RIR was published in the *Pocono Record* on April 23, 2014.

Kerrigan Property, 2623 Morning lane, Lower Saucon Township, **Northampton County**, Andrew Markoski, Patriot Environmental Management has submitted an NIR (Notice of Intent to Remediate) and a Final Report on behalf of their client, Stephen Kerrigan, 2623 Morning Lane, Hellertown, PA 18055, concerning the remediation of soil to a concrete basement floor when delivery of fuel oil was delivered to the wrong address. The report was submitted to document attainment of the Residential Statewide Health Standard for soil. A public notice regarding the submission of the NIR and Final Report was published in *The Morning Call* on March 24, 2014.

Southwest Region: Environmental Cleanup Program Manager, 400 Waterfront Drive, Pittsburgh, Pa 15222-4745

Larimer/East Liberty Phase I—Blocks E and F (former Auburn Towers) intersection of Larimer Avenue and East Liberty Boulevard, City of Pittsburgh, **Allegheny County**. KU Resources, Inc., 22 South Linden Street, Duquesne, PA 15110 on behalf of the Housing Authority of the City of Pittsburgh, 200, Ross Street, Pittsburgh, PA 15219 has submitted a Remedial Investigation Report/Risk Assessment Report/Cleanup Plan concerning site soils and groundwater contaminated with volatile and semi-volatile organic compounds (VOC's

& semi-VOC's) and metals. The reports/plan is intended to document remediation of the site to meet the Site Specific Standard. The notice was published in the *Tribune-Review* on April 23, 2014.

Southcentral Region: Environmental Cleanup and Brownfields Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone 717.705.4705.

Kenneth R. Royer Property, 165 South Reading Road, Ephrata Borough, **Lancaster County**. GemChem, Inc., PO Box 384, Lititz, PA 17543, on behalf of K & J Realty, 1526 Oak Street, Lebanon, PA 17042, submitted a combined Remedial Investigation and Final Report concerning remediation of site soils contaminated with gasoline released from unregulated underground storage tanks. The report is intended to document remediation of the site to meet the Site Specific standard.

CVS Store 1654, 1700-1720 North George Street, York, PA 17404, Manchester Township, **York County**. ECS Mid-Atlantic, LLC, 56 Grumbacher Road, Suite D, York, PA 17406, on behalf of JC Bar Properties, Inc., 415 Fallowfield Road, Suite 301, Camp Hill, PA 17011, submitted a Final Report concerning site soils contaminated with heating oil from an underground storage tank. The report is intended to document remediation of the site to meet the Residential Statewide Health standard.

LAND RECYCLING AND ENVIRONMENTAL REMEDIATION

UNDER ACT 2, 1995 PREAMBLE 3

The Department has taken action on the following plans and reports under the Land Recycling and Environmental Remediation Standards Act (35 P. S. §§ 6026.101—6026.907).

Section 250.8 of 25 Pa. Code and administration of the Land Recycling and Environmental Remediation Standards Act (act) require the Department to publish in the *Pennsylvania Bulletin* a notice of its final actions on plans and reports. A final report is submitted to document cleanup of a release of a regulated substance at a site to one of the remediation standards of the act. A final report provides a description of the site investigation to characterize the nature and extent of contaminants in environmental media, the basis of selecting the environmental media of concern, documentation supporting the selection of residential or nonresidential exposure factors, a description of the remediation performed and summaries of sampling methodology and analytical results which demonstrate that the remediation has attained the cleanup standard selected. Plans and reports required by the act for compliance with selection of remediation to a site-specific standard, in addition to a final report, include a remedial investigation report, risk assessment report and cleanup plan. A remedial investigation report includes conclusions from the site investigation; concentration of regulated substances in environmental media; benefits of reuse of the property; and, in some circumstances, a fate and transport analysis. If required, a risk assessment report describes potential adverse effects caused by the presence of regulated substances. If required, a cleanup plan evaluates the abilities of potential remedies to achieve remedy requirements. A work plan for conducting a baseline remedial investigation is required by the act for compliance with selection of a special industrial area remediation. The baseline remedial investigation, based on the work plan, is compiled into the baseline environmental report to establish a reference point to show

existing contamination, describe proposed remediation to be done and include a description of existing or potential public benefits of the use or reuse of the property. The Department may approve or disapprove plans and reports submitted. This notice provides the Department's decision and, if relevant, the basis for disapproval.

For further information concerning the plans and reports, contact the environmental cleanup program manager in the Department regional office under which the notice of the plan or report appears. If information concerning a final report is required in an alternative form, contact the community relations coordinator at the appropriate regional office. TDD users may telephone the Department through the AT&T Relay Service at (800) 654-5984.

The Department has received the following plans and reports:

Northeast Region: Eric Supey, Environmental Cleanup and Brownfields Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

NaPa Transportation Diesel Release, Church Road and Lockville Road, Wright Township, **Luzerne County**, Amber Roesler had submitted a Final Report on behalf of their client, PA DOT Engineer District 4 0, 55 Keystone Industrial Park, Dunmore, PA 18512-1516, concerning the remediation of soil and groundwater found to have been impacted by diesel fuel as a result of a punctured fuel tank caused when a truck stuck a stationary object. The applicant proposes to remediate the site to meet the Non-Residential Statewide Health Standard for soil and groundwater. The report did not document attainment and therefore was disapproved on March 11, 2014.

Cornell University Real Estate Property, 416 Church Street, Borough of Hawley, **Wayne County**, Conor Tarbell, PVE Sheffler, LLC, had submitted a Final Report on behalf of his client, Kristin Gutenberger, owner representative, Cornell University, 395 Pine Tree Road, Ithaca, NY 14850, concerning the remediation of soil due to a forty year old #2 fuel oil tank leaked during the removal process of the tank. The Report documented attainment of the Residential Statewide Health Standard for soil and was approved on April 7, 2014. The report was originally submitted within 90 days of the release.

Kerrigan Property, 2623 Morning lane, Lower Saucon Township, **Northampton County**, Andrew Markoski, Patriot Environmental Management had submitted a NIR (Notice of Intent to Remediate) and a Final Report on behalf of their client, Stephen Kerrigan, 2623 Morning Lane, Hellertown, PA 18055, concerning the remediation of soil to a concrete basement floor when delivery of fuel oil was delivered to the wrong address. The report documented attainment of the Residential Statewide Health Standard for soil and was approved on April 28, 2014.

Sara Rivera Residence, 3215 Darien Road, Bethlehem Township, **Northampton County**, Richard Trimpi, Trimpi Associates, Inc., had submitted an NIR (Notice of Intent to Remediate) and a Final Report on behalf of their client, Sara Rivera, 3215 Darien Road, Bethlehem, PA 18020, concerning the remediation of soil from fuel oil released when a portion of piping failed at the base of one of two manifold 275 gallon tanks in the basement of the home. The report was submitted to document attainment of the Residential Statewide Health Standard for soil and was approved on April 28, 2014.

Tracy Serfass Property, 11 E. Laurel Ave, Pen Argyl Borough, **Northampton County**, Thomas Martinelli,

had submitted a Final Report on behalf of his client, Tracy Serfass, 11, East Laurel Avenue, Pen Argyl, PA 18072, concerning the remediation of soil due to a release of 2 gallons of #2 fuel oil from a 275 gallon above ground storage tank located in the basement. The report documented attainment of the Residential Statewide Health Standard for soil and was approved on April 22, 2014. The report was originally submitted within 90 days of the release.

AEB Materials-Easton, 5137 Lower Mud Run Road, Lower Mount Bethel Township, **Northampton County**, Mark Eschbacher, H&K Group, Engineering and Environmental Services Division, had submitted a Final Report on behalf of his client, Scott B. Haines, Haines and Kibblehouse Inc., 2052 Lucon Road, Skippack, PA 19474, concerning a heat transfer oil release estimated at 100 gallons of product entered a storm drain that lead to a closed basin where the product accumulated. The report documented attainment of the Statewide Health Standard for soil and groundwater and was approved on April 2, 2014.

J Huston 1H well Pad-West Site, 9135 N Weston Road, Brooklyn Township, **Susquehanna County**, Dawn Washo, Resource Environmental, had submitted a Final Report on behalf of her client, Cabot Oil & Gas Corporation, Five Penn Center West, Suite 401, Pittsburgh, PA 15276, concerning the soil duet to an undetermined volume of production fluid released to the environment during a well control incident. The report documented attainment of the Statewide Health Standard and Background Standard for soil and was approved on April 14, 2014. The report was originally submitted within 90 days of the release.

New England Motor Freight Diesel Spill, 1171 Mahoning Drive East, Mahoning Township, **Carbon County**, Bill Gothier, Taylor GeoServices, Inc., had submitted a Final Report on behalf of his client, Mary Jane Kissler, 1171 Mahoning Drive East, Leighton, PA 18235, concerning the remediation of due to approximately 25 gallons of diesel fuel released impacting soil when a saddle tank of a tractor trailer hit a plow truck. The report documented attainment of the Statewide Health Standard for soil and was approved on April 1, 2014. The report was originally submitted within 90 days of the release.

Slate Belt YMCA, aka Scotty's Fashions Facility, 315 W Pennsylvania Ave, Pen Argyl Borough, **Northampton County**, Vincent Carbone, HDR Engineering, Inc., had submitted an RIR (Remedial Investigation Report) and a CP (Corrective Action Plan) on behalf of his client Frank Frey, YMCA of Nazareth, 33 S Main Street, Nazareth, PA 18064, concerning the remediation of soil impacted from benzo(a)pyrene, arsenic, lead and thallium due to prior railroad maintenance operations. The reports documented attainment of the Site Specific Standard for soil and were approved on March 24, 2014.

Stefko Boulevard Shopping Center, 1802-1880 Stefko Boulevard, City of Bethlehem, **Northampton County**, George Keil, URS Corporation, has submitted a Final Report on behalf of his client, Eric Silvers, Regency Center, One Independent Drive, Suite 114, Jacksonville, Florida 32202, concerning the remediation of soil groundwater due to presence of related dry cleaning constituents (PCE) discovered. The report documented attainment of the Non-Residential Statewide Health Standards and Site Specific Standards both for soil and groundwater and was approved on April 2, 2014.

Packman Residence, 601 Apollo Drive, City of Bethlehem, **Northampton County**, Thomas Martinelli, JMT Environmental Technologies, Inc. had submitted a Final Report on behalf of his client David Packman, 601 Apollo Drive, Bethlehem, PA 18017, concerning the remediation of #2 fuel oil to the soil due to the removal of an underground storage tank. The report documented attainment of the Statewide Health Standard for soil and was approved on October 10, 2013. The report was originally submitted within 90 days of the release.

Global Companies, LLC-Macungie Terminal, Tank Farm & Shippers Road, Lower Macungie Township, **Lehigh County**, John Grelis, Grelis Environmental Services, LLC, had submitted a Final Report on behalf of his client, Tom Keefe, Chelsea Sandwich, Watermill Center, 800 South Street, PO Box 9161, Waltham, MA 02454-9161 concerning the remediation of soil from a discharge from unleaded gasoline due to a discharge. A summary of the Final Report was published in the *Morning Call* on January 15, 2014. The report documented attainment of the Site Specific Standard for soil and was approved on March 11, 2014.

Southcentral Region: Environmental Cleanup and Brownfields Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone 717.705.4705.

Kenneth R. Royer Property, 165 South Reading Road, Ephrata Borough, **Lancaster County**, GemChem, Inc., PO Box 384, Lititz, PA 17543, on behalf of K & J Realty, 1526 Oak Street, Lebanon, PA 17042, submitted a combined Remedial Investigation and Final Report concerning remediation of site soils contaminated with gasoline released from unregulated underground storage tanks. The combined report was administratively incomplete and disapproved by the Department on April 30, 2014.

Southwest Region: Environmental Cleanup & Brownfield Development Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

Former GM Pittsburgh Stamping Plant, 1451 Lebanon School Road, Borough of West Mifflin, **Allegheny County**, KU Resources, 22 South Linden Street, Duquesne, PA 15110 on behalf of Mifflin, LLC., 1650 Des Peres Road, Suite 303, St. Louis, Missouri, 63131 submitted a Final Report concerning the remediation of site soil and groundwater contaminated with metals, volatile and semi-volatile organic compounds, and PCB's. The Final Report demonstrated attainment of the non-residential Site Specific Standard for soil and was approved by the department on April 30, 2014.

Mid Mon Valley Transit Authority North Charleroi Park & Ride (formerly Stout's Discount Carpet), 1301 Lincoln Ave., North Charleroi 15022, **Washington County**, Allegheny Global Environmental, Inc., 416 Anthony Street, Carnegie, PA 15106 on behalf of Mid Mon Valley Transit Authority, 1300 McKean Ave., Charleroi, PA 15022 submitted a Final Report concerning remediation of site soils contaminated with hydraulic oil. The Final Report demonstrated attainment of the non-residential Statewide Health Standard and was approved by the Department on April 30, 2014.

Private Residence, 195 Mendon Road, Smithton, **Westmoreland County**, Bradburne, Briller & Johnson, (BB&J) 5 Market Square, Suite 205, Amesbury MA 01913 on behalf of Sears, Roebuck & Company, 3333 Beverly Road, B5-335A, Hoffman Estates, IL 60179 submitted a Final Report concerning the remediation of site soil and groundwater contaminated with 1,2,4,-Trimethylbenzene.

The Final Report demonstrated attainment of residential Statewide Health Standard for soils and groundwater and was approved by the Department on May 1, 2014.

RESIDUAL WASTE GENERAL PERMITS

Permit(s) denied under the Solid Waste Management Act (35 P. S. §§ 6018.101—6018.1003), the Municipal Waste Planning, Recycling and Waste Reduction Act (53 P. S. §§ 4000.101—4000.1904) and Regulations to Operate Solid Waste Processing or Disposal Area or Site.

Central Office: Division of Municipal and Residual Waste, Rachel Carson State Office Building, 14th Floor, 400 Market Street, Harrisburg, PA 17106-9170.

General Permit Application No. WMGR081D041. Advanced Green Solutions Inc., 40 3rd Street, Walnutport PA, 18088, **Northampton County**. General permit WMGR081 authorizes processing of electronic waste by sorting, disassembling, mechanical processing (by sizing, shaping, separating and volume reduction only), and associated storage. Determination of Applicability for coverage under General Permit WMGR081 was denied in the Central Office on April 29, 2014.

RESIDUAL WASTE GENERAL PERMITS

Permit(s) Issued Under the Solid Waste Management Act; the Municipal Waste Planning, Recycling and Waste Reduction Act; and Residual Waste Regulations for a General Permit to Operate Residual Waste Processing Facilities and the Beneficial Use of Residual Waste other than Coal Ash.

Northwest Regional Office: 230 Chestnut Street, Meadville, PA 16335

General Permit No. WMGR038NWD005. Crawford Renewable Energy, LLC, 360 Chestnut Street, Meadville, PA 16335; Site: Keystone Regional Industrial Park, Greenwood Township, **Crawford County**. The Determination of Applicability under WMGR038 authorizes the processing, storage and beneficial use of waste tires. The permit was issued by the Northwest Regional Office on May 6, 2014.

OPERATE WASTE PROCESSING OR DISPOSAL AREA OR SITE

Permit Issued Under the Solid Waste Management Act, the Municipal Waste Planning, Recycling and Waste Reduction Act and Regulations to Operate Solid Waste Processing or Disposal Area or Site.

Southeast Region: Regional Solid Waste Manager, 2 East Main Street, Norristown, PA 19401

Permit No. 101376. Waste Management of Pennsylvania, Inc., 5245 Bleigh Avenue, Philadelphia PA 19136-4225. This Application is for the 10-year renewal of the solid waste permit (101376) for the Forge Recycling and Resource Recovery Center, a municipal waste transfer and recycling facility located at 5245 Bleigh Avenue in the City of Philadelphia, **Philadelphia County**. The permit was issued by the Southeast Regional Office on April 25, 2014.

**OPERATE WASTE PROCESSING OR DISPOSAL
AREA OR SITE**

Applications deemed administratively complete under the Solid Waste Management Act, the Municipal Waste Planning, Recycling and Waste Reduction Act and Regulations to Operate Solid Waste Processing or Disposal area or Site.

Southcentral Region: Regional Solid Waste Manager, 909 Elmerton Avenue, Harrisburg, PA 17110-8200

Permit No. 301343 RecOil, Inc. (Bedford Transfer facility) 170 Transport Road, Suite 32 Bedford, PA 15522. The application submitted is to renew the permit for RecOil, Inc. Bedford Transfer Facility, which expires September 28, 2014. This application was deemed administratively complete by the Southcentral Regional Office on April 30, 2014. The Department will accept comments from the general public recommending revisions to, and approval or denial of the application during the entire time the Department is reviewing the permit application.

Comments concerning the application should be directed to Mr. John Oren, Permits Chief, Waste Management Program, 909 Elmerton Avenue, Harrisburg, PA 17110-8200. Persons interested in obtaining more information about this permit application may contact the Southcentral Regional Office at (717) 705-4706. TDD users may contact the Department through the Pennsylvania Relay Service, (800) 654-5984.

AIR QUALITY

General Plan Approval and Operating Permit Usage Authorized under the Air Pollution Control Act (35 P. S. §§ 4001—4015) and 25 Pa. Code Chapter 127 to construct, modify, reactivate or operate air contamination sources and associated air cleaning devices.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401

Contact: James Beach, New Source Review Chief—Telephone: 484-250-5920

GP3-09-0119: Haines and Kibblehouse, Inc.—Plumstead Quarry (5031 Point Pleasant Pike, Doylestown, PA 18901) on April 30, 2014, to relocate and operate under GP3-09-0119 a portable Nonmetallic Mineral Processing Plant (Source ID 201, Source ID 202, Source ID 203) in Plumstead Township, **Bucks County, PA.**

GP9-09-0048: Haines and Kibblehouse, Inc.—Plumstead Quarry (5031 Point Pleasant Pike, Doylestown, PA 18901) on April 30, 2014, to relocate and operate under GP9-09-0048 three (3) #2 fuel oil or diesel Internal Combustion Engines (Source ID 101, Source ID 102, Source ID 103) in Plumstead Township, **Bucks County, PA.**

GP3-09-0118: Eureka Stone Quarry, Inc.—DBA JDM Materials Co. (851 County Line Road, Huntingdon Valley, PA 19006) on May 2, 2014, to operate a portable nonmetallic mineral processing plant in Bensalem Township, **Bucks County.**

GP9-09-0047: Eureka Stone Quarry, Inc.—DBA JDM Materials Co. (851 County Line Road, Huntingdon Valley, PA 19006) on May 2, 2014, to operate two (2) #2 fuel oil or diesel internal combustion engines in Bensalem Township, **Bucks County.**

Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790

Contact: Ray Kempa, New Source Review Chief—Telephone: 570-826-2507

GP3-58-018: Popple Construction, Inc. (215 East Saylor Avenue, Laflin, PA 18702) on April 23, 2014, to construct and operate a Portable Crushing Operation with watersprays at their New Milford Quarry in New Milford Township, **Susquehanna County.**

GP9-58-019: Popple Construction, Inc. (215 East Saylor Avenue, Laflin, PA 18702) on April 23, 2014, to install and operate Diesel I/C engines at their New Milford Quarry in New Milford Township, **Susquehanna County.**

Plan Approvals Issued under the Air Pollution Control Act and regulations in 25 Pa. Code Chapter 127, Subchapter B relating to construction, modification and reactivation of air contamination sources and associated air cleaning devices.

Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790

Contact: Ray Kempa, New Source Review Chief—Telephone: 570-826-2507

45-00031A: Horizon Milling, LLC (Route 940, Harvest Lane, PO Box 147, Mt Pocono, PA 18344) on April 29, 2014, to construct and operate a new rail car unloading system with associated baghouse control equipment at their facility in Tobyhanna Township, Pocono Township, and Mt. Pocono Borough, **Monroe County.**

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110

Contact: Thomas J. Hanlon, Facility Permitting Chief—Telephone: 717-705-4862 or William Weaver, Regional Air Quality Manager, Telephone: 717-705-4702.

21-05053B: PPL Renewable Energy, LLC (Two North Ninth Street, Allentown, PA 18101) on April 30, 2014, to construct one landfill gas (LFG)-fired reciprocating internal combustion engine (RICE) at their Cumberland County Landfill in Hopewell Township, **Cumberland County.**

07-03034E: Alpha Metals, Inc. (4100 Sixth Avenue, Altoona, PA 16602) on April 30, 2014, to construct of a natural gas-fired hearth sweat furnace and after burner at their existing non-ferrous metals processing facility in the City of Altoona, **Blair County.** The proposed afterburner and an existing baghouse will control particulate matter (PM) emissions from the furnace.

Plan Approval Revisions Issued including Extensions, Minor Modifications and Transfers of Ownership under the Air Pollution Control Act and 25 Pa. Code §§ 127.13, 127.13a and 127.32.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401

Contact: James Beach, New Source Review Chief—Telephone: 484-250-5920

46-0007: Holy Redeemer Hospital & Medical Center (1648 Huntingdon Pike, Meadowbrook, PA 19046) on April 30, 2014, to operate a cogeneration system in Abington Township, **Montgomery County.**

09-0142B: ML 35, LLC. (35 Runway Road, Levittown, PA 19057) on April 30, 2014, to operate emergency generators in Bristol Township, **Bucks County.**

46-0035H: GlaxoSmithKline, LLC. (1250 South Collegeville Road, Collegeville, PA 19426) on May 1, 2014, to operate oxidation catalysts on five (5) existing non-emergency Detroit diesel generators (Source ID 047B) in Upper Merion Township, **Montgomery County**.

46-0031E: GlaxoSmithKline, LLC. (1250 South Collegeville Road, Collegeville, PA 19426) on May 1, 2014, to operate oxidation catalyst units on seven (7) existing, non-emergency reciprocating internal combustion engines in Upper Providence Township, **Montgomery County**.

Northcentral Region: Air Quality Program, 208 West Third Street, Williamsport, PA 17701

Contact: Muhammad Q. Zaman, Environmental Program Manager—Telephone: 570-327-3648

59-00025A: EQT Gathering, LLC (EQT Plaza, 625 Liberty Avenue, Suite 1700, Pittsburgh, PA 15222) on April 1, 2014, to construct and operate their Tioga natural gas compressor station in Duncan Township, **Tioga County**. The plan approval has been extended to September 29, 2014.

47-00014B: United States Gypsum Co. (60 PPL Road, Danville, PA 17821) on April 3, 2014, to extend the authorization an additional 180 days from June 4, 2014 to December 1, 2014, in order to continue the compliance evaluation and permit operation pending issuance of an operating permit for the facility. The extension authorization allows continued operation of the wallboard manufacturing facility in Derry Township, **Montour County**. The plan approval has been extended.

08-00031A: Appalachia Midstream Services, LLC (PO Box 54382, Oklahoma City, OK 73154-1382) on April 29, 2014, to extend authorization an additional 180 days from May 23, 2014 to November 19, 2014, in order to continue the compliance evaluation and permit operation pending issuance of an operating permit for the facility. The extension authorization allows continued operation of the facility located in Granville Township, **Bradford County**. The plan approval has been extended.

59-00005B: Appalachia Midstream Services, LLC (PO Box 54382, Oklahoma City, OK 73154-1382) on April 29, 2014, to extend the authorization an additional 180 days from May 14, 2014 to November 10, 2014, in order to continue the compliance evaluation and permit operation pending issuance of an operating permit for the facility. The extension authorization allows continued operation of the facility located in Cherry Township, **Sullivan County**. The plan approval has been extended.

14-00002N: Graymont (PA) Inc. (965 East College Avenue, Pleasant Gap, PA 16823-6823) on April 30, 2014, to extend the expiration date of the plan approval to August 31, 2015, in order to allow continued construction of Kiln No. 8 and its associated air cleaning devices and material handling. The proposed kiln is located at the Pleasant Gap plant in Spring Township, **Centre County**. The plan approval has been extended.

08-00041A: Appalachia Midstream Services, LLC (PO Box 54382, Oklahoma City, OK 73154-1382) on April 30, 2014, to extend the authorization an additional 180 days from April 30, 2014 to October 27, 2014, in order to continue the compliance evaluation and permit operation pending issuance of an operating permit for the facility. The extension authorization allows continued operation of the facility located in Wyalusing Township, **Bradford County**. The plan approval has been extended.

Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

Contact: M. Gorog & B. Hatch, Environmental Engineer Managers—Telephone: 412-442-4163/5226

63-00955B: National Fuel Gas Supply Corp. (1100 State Street, Erie, PA 16512) on April 29, 2014, to extend the period of temporary operation of two natural gas-fired turbines rated at 10,280 hp each, one natural gas-fired emergency generator engine rated at 803 bhp, and two lean burn natural gas-fired engines rated at 2,370 bhp each and controlled by oxidation catalysts, until November 23, 2014, at Buffalo Compressor Station in Buffalo Township, **Washington County**.

30-00108A: River Processing Corp. (158 Portal Road, Waynesburg, PA 15370) on April 30, 2014, to grant an 18-month Plan Approval extension for their Coal Processing Operation in Jefferson Township, **Greene County**.

30-00170A: Laurel Mountain Midstream, LLC (Park Place 2, 2000 Commerce Drive, Pittsburgh, PA 15275) on April 30, 2014, to extend the period of temporary operation of one of two Caterpillar G3612 lean burn natural gas-fired compressor engines rated at 3,550 bhp at the existing Brown Compressor Station in Greene Township, **Greene County**. The new expiration date is November 20, 2014.

30-00072I: Consol Pennsylvania Coal Co., LLC (1000 Consol Energy Dr., Canonsburg, PA 15317) on April 30, 2014, a plan approval minor modification is effective April 30, 2014, to authorize the initial 180-day period of temporary operation for sources and controls associated with the Enlow Fork Overland Conveyor, of which initial operation commenced on January 11, 2014. This plan approval will now expire on July 11, 2014. The Enlow Fork Overland Conveyor is part of the Bailey Prep Plant, a Title V facility in Richhill Township, **Greene County**.

Title V Operating Permits Issued under the Air Pollution Control Act and 25 Pa. Code Chapter 127, Subchapter G.

Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

Contact: Barbara Hatch, Facilities Permitting Chief—Telephone: 412-442-4174

03-00076: Peoples Natural Gas Co, LLC (1201 Pitt Street, Pittsburgh, PA 15221-2029) on April 30, 2014, issued a renewal Title V Operating Permit to Peoples Natural Gas Co, LLC to authorize the continued operation of the Girty Compressor Station located in South Bend Township, **Armstrong County**.

The main sources of emissions at the facility include two 6-cylinder, 440 bhp, Ingersoll-Rand Model #KVG-6 engines, a 4-cylinder Cooper-Bessemer model #GMV4 engine, and a 10-cylinder, 4-cycle, 1,000 bhp Ingersoll-Rand model #KVG-103 engine. These are sources #101—104 in the permit. The station also operates a small standby electric generator (Source #109), miscellaneous process equipment (Source #106), and two dehydration generator/chiller units (Sources #107 and #108), an ethylene glycol tank (Source #110), miscellaneous storage tanks (Source #111 which includes a 5,000 gallon new engine oil tank, 1,000 gallon engine oil tank, 5,000 gallon produced fluids tank, 2,000 gallon wastewater tank, and a 1,500 gallon waste oil tank), miscellaneous process equipment (Source #106), a parts washer (Source #112), miscellaneous space and water heaters (Source #037), and facility fugitive emissions (Source #201).

The emission restriction, testing, monitoring, record-keeping, reporting and work practice conditions of the TVOP have been derived from the applicable requirements of 40 CFR Parts 52, 60, 63, and PA Code Title 25, Article III, Chapters 121 through 145.

Northwest Region: Air Quality Program, 230 Chestnut Street, Meadville, PA 16335-3481

Contact: Matthew Williams, Facilities Permitting Chief—Telephone: 814-332-6131

42-00009: Pittsburgh Corning Corp.—Port Allegany Plant (701N Main Street, Port Allegany, PA 16743-1029) on April 30, 2014, for modification of a Title V Permit to operate architecture pressed and blown glass manufacturing facility in Port Allegany Borough, **McKean County**. The modification incorporates the requirements from 25 Pa. Code § 129.301 to § 129.310, Control of NO_x Emissions from Glass Melting Furnaces. The permittee has requested an alternative compliance schedule for Source ID #201—Melting Furnace (Lines 5-8) as permitted under the PA Glass Melting Furnace NO_x Rule. The language contained in 25 Pa. Code 129.304(c) (2) allows the permittee to submit a petition in writing, requesting an alternative compliance schedule. In the petition PCC has proposed an extension of the compliance date for Source ID #201 to coincide with its next cold shut down scheduled to occur May 1, 2019. During the next scheduled cold shutdown in 2019, downstream emission control equipment consisting of Selective Catalytic Reduction equipment will be installed to achieve compliance with new 7.0 lb/ton NO_x emission limitation. The milestones of the installation and design of SCR (Selective Catalytic Reduction) control equipment have been included in the permit in the compliance schedule section.

Operating Permits for Non-Title V Facilities Issued under the Air Pollution Control Act and 25 Pa. Code Chapter 127, Subchapter F.

Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790

Contact: Ray Kempa, New Source Review Chief—Telephone: 570-826-2507

66-00006: Geary Enterprises Concrete (316 Post Hill Road, Falls PA 18515-7897) on April 29, 2014, for crushed and broken stone mining and quarrying operations in Falls Township, **Wyoming County**. The primary sources consist of crushers, screens, and conveyors. The sources are considered minor emission sources of nitrogen oxide (NO_x), sulfur oxides (SO_x), carbon monoxide (CO), total suspended particulate (TSP), and volatile organic compounds (VOC) emissions. This is a renewal State-Only Natural Minor operating permit. The State-Only operating permit includes emissions, work practice standards and testing, monitoring, recordkeeping and reporting requirements designed to keep the facility operating within all applicable air quality requirements.

54-00017: Lehigh Asphalt Paving & Construction Co. (P. O. Box 549, Tamaqua, PA 18252) on April 29, 2014, for operation of a rock crushing operation and associated air cleaning devices at their facility in West Penn Township, **Schuylkill County**. This is a renewal State Only Operating Permit was issued April 28, 2014. The State Only Operating Permit contains applicable requirements for emissions limitations, monitoring, record keeping, reporting and work practice standards designed to ensure facility compliance with Federal and State air pollution regulations

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110

Contact: Thomas J. Hanlon, Facility Permitting Chief—Telephone: 717-705-4862 or William Weaver, Regional Air Quality Manager, Telephone: 717-705-4702.

01-05022: Knouse Foods Cooperative, Inc. (PO Box 807, Peach Glen, PA 17307-0807) on April 30, 2014, for their Orrtanna fruit processing facility in Hamiltonban Township, **Adams County**. The State-only permit was renewed.

Northcentral Region: Air Quality Program, 208 West Third Street, Williamsport, PA 17701

Contact: Muhammad Q. Zaman, Environmental Program Manager—Telephone: 570-327-3648

49-00050: McPherson Greenhouses (103 Ridge Road, Northumberland, PA 17857) on March 27, 2014, issued State Only operating permit for their greenhouse facility in Point Township, **Northumberland County**. The State Only operating permit contains requirements including monitoring, recordkeeping, and reporting conditions to ensure compliance with applicable Federal and State regulations.

14-00010: Snow Shoe Refractories, LLC (895 Clarence Road, Clarence PA 16829) on April 30, 2014, State Only (Synthetic Minor) Operating Permit for renewal of State Only Operating Permit 14-00010 for their Clarence Plant facility in Snow Shoe Township, **Centre County**. All applicable Federal and State regulatory requirements including monitoring, recordkeeping, reporting and work practice conditions in order to demonstrate compliance with the applicable regulatory requirements have been included in the state only operating permit for this facility.

Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

Contact: Barbara Hatch, Facilities Permitting Chief—Telephone: 412-442-4174

26-00121: Crown Cork & Seal Co., Inc.—Plant No. 77 (1840 Baldrige Street, Connellsville, PA 15425) on May 6, 2014, to issue a State Only Operating Permit (SOOP) renewal for the manufacturing of jar and bottle seals for use in the food and beverage industry Connellsville City, **Fayette County**. The facility consists of a 8.368 MMBtu/hr natural gas fired boiler used for building heat, 0.335 MMBtu/hr natural gas boiler used for process heat, 17 natural gas fired curing ovens (rated between 1.2 and 1.95 MMBtu/hr) and 2 electric curing ovens each equipped with a wet scrubber, 3 parts washers, and approximately 25 process lines. The potential emissions are based on 8,760 hours per year and a 191 lbs/hr rate of plastisol: 18.0 tpy NO_x, 15.11 tpy CO, 0.11 tpy SO_x, 46.2 tpy VOC and 1.4 tpy PM₁₀. The proposed authorization is subject to State and Federal Regulations. The facility is required to perform weekly inspections during daylight hours to determine the presence of any visible stack emissions, fugitive emissions, or malodors. The facility is required to maintain monthly records of plastisol. The permit includes additional operational requirements, monitoring requirements, and recordkeeping requirements.

Department of Public Health, Air Management Services: 321 University Avenue, Philadelphia, PA 19104

Contact: Edward Wiener, Chief—Telephone: 215-685-9426

N14-004: Integrated Power Services (3240 South 78th Street, Philadelphia, PA 19153) on May 2, 2014, to operate a reconditioning of electric rotating machinery facility the City of Philadelphia, **Philadelphia County**. The facility's air emissions sources include a 0.75 MMBTU/hr bake oven, 0.6 MMBTU/hr large burnout oven with a 0.825 MMBTU afterburner, a 0.150 MMBTU/hr small burnout oven with a 0.220 MMBTU/hr afterburner, a baghouse, a paint booth, and a varnish dip tank

The operating permit will be issued under the Pennsylvania Code Title 25, Philadelphia Code Title 3 and Air Management Regulation XIII. Permit copies and other supporting information are available for public inspection at AMS, 321 University Avenue, Philadelphia, PA 19104. For further information, contact Edward Wiener at (215) 685-9426.

Persons wishing to file protest or comments on the above operating permit must submit the protest or comments within 30 days from the date of this notice. Any protests or comments filed with AMS must include a concise statement of the objections to the permit issuance and the relevant facts upon which the objections are based. Based upon the information received during the public comment period, AMS may modify the operating permit or schedule a public hearing. The hearing notice will be published in the *Pennsylvania Bulletin* and a local newspaper at least thirty days before the hearing.

Operating Permit Revisions Issued including Administrative Amendments, Minor Modifications or Transfers of Ownership under the Air Pollution Control Act and 25 Pa. Code §§ 127.412, 127.450, 127.462 and 127.464.

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110

Contact: Thomas J. Hanlon, Facility Permitting Chief—Telephone: 717-705-4862 or William Weaver, Regional Air Quality Manager, Telephone: 717-705-4702.

36-05008: Tyson Foods, Inc. (403 S. Custer Avenue, PO Box 1156, New Holland, PA 17557-0901) on April 28, 2014, for their poultry processing facility in Earl Township, **Lancaster County**. The State-only permit underwent a minor modification to change the responsible official, to modify certain fuel monitoring and recordkeeping requirements, and to add back in a source (Line 1 Charmaker) that was inadvertently left out of the last permit renewal.

Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745

Contact: Barbara Hatch, Facilities Permitting Chief—Telephone: 412-442-4174

30-00077: Texas Eastern Transmission, LP (258 Bristoria Rd., Wind Ridge, PA 15380-1259) on April 30, 2014, in accordance with 25 Pa. Code § 127.462, the Department approved the permittee's request for minor operating permit modification at the Holbrook Compressor Station. The sulfur monitoring requirements for Turbine 1 have been modified to mirror those of Turbines 2 and 3. The permittee is no longer required to perform analysis of the natural gas being combusted for fuel sulfur content according to ASTM methods. In lieu of sulfur content monitoring, the permittee shall use the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the

gaseous fuel which specifies that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less.

ACTIONS ON COAL AND NONCOAL MINING ACTIVITY APPLICATIONS

Actions on applications under the Surface Mining Conservation and Reclamation Act (52 P. S. §§ 1396.1—1396.19a); the Noncoal Surface Mining Conservation and Reclamation Act (52 P. S. §§ 3301—3326); The Clean Streams Law; the Coal Refuse Disposal Control Act (52 P. S. §§ 30.51—30.66); and The Bituminous Mine Subsidence and Land Conservation Act (52 P. S. §§ 1406.1—1406.20a). The final action on each application also constitutes action on the NPDES permit application and, if noted, the request for a Section 401 Water Quality Certification. Mining activity permits issued in response to applications will also address the application permitting requirements of the following statutes: the Air Quality Pollution Act (35 P. S. §§ 4001—4014); the Dam Safety and Encroachments Act (32 P. S. §§ 693.1—693.27); and the Solid Waste Management Act (35 P. S. §§ 6018.101—6018.1002).

Coal Permits Issued

California District Office: 25 Technology Drive, Coal Center, PA 15423, 724-769-1100

56111303 and NPDES No. PA0236110. LCT Energy, LP, (938 Mt. Airy Drive, Suite 200, Johnstown, PA 15905). To operate the Maple Springs Mine in Conemaugh Township, **Somerset County** and related NPDES permit. Surface Acres Proposed 51.4, Underground Acres Proposed 3781.8, Subsidence Control Plan Acres Proposed 3781.8. Receiving Stream: Unnamed Tributary to Quemahoning Creek, classified for the following use: CWF. The first downstream potable water supply intake from the point of discharge is Cambria Somerset Authority—Quemahoning Reservoir and intake: Quemahoning Creek. The application was considered administratively complete on February 13, 2012. Application received September 15, 2011. Permit issued April 28, 2014.

03991301 and NPDES No. PA0235407. Rosebud Mining Company, (301 Market Street, Kittanning, PA 16201). To revise the permit for the Logansport Mine in Armstrong Township, **Bethel County** to revise the water handling plan and reroute NPDES outfalls to the Allegheny River. Receiving Stream: Allegheny River, classified for the following use: WWF. The application was considered administratively complete on October 3, 2013. Application received September 18, 2013. Permit issued April 30, 2014.

30841316 and NPDES No. PA0213535. Consol Pennsylvania Coal Company LLC, (1525 Pleasant Grove Road, PO Box J, Claysville, PA 15323). To revise the permit for the Bailey Mine & Prep Plant in Richhill Township, **Greene County** to add underground permit and subsidence control plan area acres for longwall mining, stream restoration may be necessary to alleviate subsidence pooling impacts to stream segments in four areas of Kent Run, four areas of North Fork Dunkard Fork, and one area of Whitehorn Run. In conjunction with this approval, the Department is granting 401 Water Quality Certification certifying that the approved activities will comply with the applicable provisions of sections 301—303, 306, and 307 of the Federal Water Pollution Control Act (33 USCA § 1341) and will not violate

Federal and State water quality standards. Underground Acres Proposed 3175, Subsidence Control Plan Acres Proposed 3175. No additional discharges. The application was considered administratively complete on April 12, 2012. Application received April 2, 2012. Permit issued May 1, 2014.

Cambria District Mining Office: 286 Industrial Park Road, Ebensburg, PA 15931, 814-472-1900

Permit No. 56070111 and NPDES No. PA0262510. Mountaineer Mining Corporation, 1010 Garrett Shortcut Road, Berlin, PA 15530, permit renewal for reclamation only of a bituminous surface and auger mine in Brothersvalley Township, **Somerset County** affecting 115.0 acres. Receiving streams: unnamed tributaries to Swamp Creek and unnamed tributaries to Buffalo Creek, classified for the following use: cold water fisheries. There are no potable water supply intakes within 10 miles downstream. Application received: January 29, 2014. Permit Issued: April 23, 2014.

Greensburg District Mining Office: Armbrust Professional Center, 8205 Route 819, Greensburg, PA 15601, 724-925-5500

63980101 and NPDES Permit No. PA0202151. Neiswonger Construction, Inc. (17592 Route 322, Strattonville, PA 16258). Permit renewal issued for reclamation only to an existing bituminous surface mine, located in Somerset Township, **Washington County**, affecting 180.7 acres. Receiving stream: unnamed tributary to North Branch of Pigeon Creek. Application received: January 6, 2014. Permit issued: April 22, 2014.

26080103 and NPDES Permit No. PA0251402. Amerikohl Mining, Inc. (1384 State Route 711, Stahlstown, PA 15687). Permit renewal issued for reclamation only to an existing bituminous surface mine, located in Wharton Township, **Fayette County**, affecting 94.1 acres. Receiving streams: unnamed tributaries to Mill Run and McIntyre Run. Application received: January 10, 2014. Permit issued: April 22, 2014.

26130102 and NPDES Permit No. PA0252344. Valhalla Mining Co., LLC (170 Yasenosky Road, Smithfield, PA 15478). Permit issued for commencement, operation and reclamation of a bituminous surface mine and auger mining, located in Dunbar Township, **Fayette County**, affecting 61.6 acres. Receiving streams: unnamed tributaries to Gist Run. Application received: October 9, 2013. Permit issued: April 30, 2014.

Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901, 570-621-3118

Permit No. 54813011R6. Joe Kuperavage Coal Company, (916 Park Avenue, Port Carbon, PA 17965), renewal of an existing anthracite surface mine operation in Blythe and East Norwegian Townships, **Schuylkill County** affecting 497.5 acres, receiving stream: Schuylkill River. Application received: April 10, 2013. Renewal issued: May 1, 2014.

Permit No. 54813011GP104. Joe Kuperavage Coal Company, (916 Park Avenue, Port Carbon, PA 17965), General NPDES Stormwater Permit for stormwater discharges associated with mining activities on Surface Mining Permit No. 54813011 in Blythe and East Norwegian Townships, **Schuylkill County**, receiving stream: Schuylkill River. Application received: April 10, 2013. Permit issued: May 1, 2014.

Permit No. 54830102R6. Joe Kuperavage Coal Company, (916 Park Avenue, Port Carbon, PA 17965), renewal of an existing anthracite surface mine operation

in Blythe Township, **Schuylkill County** affecting 263.0 acres, receiving stream: Silver Creek. Application received: June 21, 2013. Renewal issued: May 1, 2014.

Permit No. 54830102GP104. Joe Kuperavage Coal Company, (916 Park Avenue, Port Carbon, PA 17965), General NPDES Stormwater Permit for stormwater discharges associated with mining activities on Surface Mining Permit No. 54830102 in Blythe Township, **Schuylkill County**, receiving stream: Silver Creek. Application received: June 21, 2013. Permit issued: May 1, 2014.

Noncoal Permits Issued

Greensburg District Mining Office: Armbrust Professional Center, 8205 Route 819, Greensburg, PA 15601, 724-925-5500

63090601 and NPDES Permit No. PA0251712. Arthur J. Boyle (P. O. Box 400, Laughlintown, PA 15665). Revised permit issued for land use change from forestland to post mining land use of unmanaged natural habitat to an existing large noncoal surface mine, located in East Bethlehem Township, **Washington County**, affecting 50.3 acres. Receiving streams: unnamed tributaries to Ten Mile Creek and Ten Mile Creek. Application received: April 19, 2012. Permit issued: May 1, 2014.

Moshannon District Mining Office: 186 Enterprise Drive, Philipsburg, PA 16866, 814-342-8200

17140802. Shud's Coal Hounds, Inc. (5757 Green Acre Road, Houtzdale, PA 16651). Commencement, operation and restoration of a small noncoal (clay) mining permit located in Wallacetown Borough, **Clearfield County** affecting 5.0 acres. Receiving stream(s): Laurel Run and Moravian Run classified for the following use(s): Cold Water Fishes. Application received: February 28, 2014. Permit issued: April 28, 2014.

Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901, 570-621-3118

Permit No. 58130808. Angelo DiaBiase, (4773 Lower Rhiney Creek Road, Hallstead, PA 18822), commencement, operation and restoration of a quarry operation in Liberty Township, **Susquehanna County** affecting 5.0 acres, receiving stream: Rhiney Creek. Application received: October 7, 2013. Permit issued: April 29, 2014.

Permit No. 58130808GP104. Angelo DiaBiase, (4773 Lower Rhiney Creek Road, Hallstead, PA 18822), General NPDES Stormwater Permit for stormwater discharges associated with mining activities on Surface Mining Permit No. 58130808 in Liberty Township, **Susquehanna County**, receiving stream: Rhiney Creek. Application received: October 7, 2013. Permit issued: April 29, 2014.

Permit No. 58112515. Meshoppen Stone, Inc., (PO Box 127, Meshoppen, PA 18630), commence, operation and restoration of a General Permit for Bluestone in Liberty Township, **Susquehanna County** affecting 10.0 acres, receiving stream: unnamed tributary to Snake Creek. Application received: September 26, 2011. Permit issued: May 2, 2014.

Permit No. 58112515GP104. Meshoppen Stone, Inc., (PO Box 127, Meshoppen, PA 18630), General NPDES Stormwater Permit for stormwater discharges associated with mining activities on Surface Mining Permit No. 58112515 in Liberty Township, **Susquehanna County**, receiving stream: unnamed tributary to Snake Creek. Application received: September 26, 2011. Permit issued: May 2, 2014.

Permit No. 58122502. Timber Lane Stone, Inc., (1903 Timber Lane, Clarks Summit, PA 18411), commence, operation and restoration of a General Permit for Bluestone in Lathrop Township, **Susquehanna County** affecting 6.0 acres, receiving stream: Martin's Creek. Application received: October 4, 2012. Permit issued: May 2, 2014.

Permit No. 58122502GP104. Timber Lane Stone, Inc., (1903 Timber Lane, Clarks Summit, PA 18411), General NPDES Stormwater Permit for stormwater discharges associated with mining activities on Surface Mining Permit No. 58122505 in Lathrop Township, **Susquehanna County**, receiving stream: Martin's Creek. Application received: October 4, 2012. Permit issued: May 2, 2014.

Permit No. 64141001 and NPDES Permit No. PA0225401. Litts & Sons Stone Co., Inc., (19 Primrose Drive, Springbrook Township, PA 18444), commencement, operation and restoration of General Permit for Short-Term Construction Project and NPDES Permit for discharge of treated mine drainage in Sterling Township, **Wayne County** affecting 5.0 acres, receiving stream: Butternut Creek. Application received: December 12, 2013. Permit issued: May 2, 2014.

ACTIONS ON BLASTING ACTIVITY APPLICATIONS

Actions on applications under the Explosives Acts of 1937 and 1957 and 25 Pa. Code § 211.124. Blasting activity performed as part of a coal or noncoal mining activity will be regulated by the mining permit for that coal or noncoal mining activity.

Blasting Permits Issued

Moshannon District Mining Office: 186 Enterprise Drive, Philipsburg, PA 16866, 814-342-8200

17134003. P & N Coal Company, Inc. (P. O. Box 332, Punxsutawney, PA 15767). Blasting on a GFCC 17-13-02, West Slab Run Reclamation Project located in Sandy Township, **Clearfield County** with an expiration date of December 31, 2016. Permit issued: April 29, 2014.

Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901, 570-621-3118

Permit No. 09144103. Rock Work, Inc., (1257 DeKalb Pike, Blue Bell, PA 19422), construction blasting for Yardley Walk in Yardley Borough, **Bucks County** with an expiration date of May 1, 2015. Permit issued: April 30, 2014.

Permit No. 36144117. Keystone Blasting Service, (15 Hopeland Road, Lititz, PA 17543), construction blasting for Lime Spring Farm in East Hempfield Township, **Lancaster County** with an expiration date of April 30, 2015. Permit issued: April 30, 2014.

Permit No. 38144102. Keystone Blasting Service, (15 Hopeland Road, Lititz, PA 17543), construction blasting for Richland View water line in Richland Borough, **Lebanon County** with an expiration date of May 30, 2014. Permit issued: April 30, 2014.

Permit No. 38144103. Keystone Blasting Service, (15 Hopeland Road, Lititz, PA 17543), construction blasting for Parkview Estates in Jackson Township, **Lebanon County** with an expiration date of April 30, 2015. Permit issued: April 30, 2014.

Permit No. 64144102. Holbert Explosives, Inc., (237 Mast Hope Plank Road, Lackawaxen, PA 18435), con-

struction blasting for Delaware Arms and Ammunition, LLC in Cherry Ridge and South Canaan Townships, **Wayne County** with an expiration date of April 15, 2015. Permit issued: April 30, 2014.

Permit No. 46144002. Explo-Craft, Inc., (PO Box 1332, West Chester, PA 19380), construction blasting for Rock Hill Road Revitalization Project in Lower Merion Township, **Montgomery County** with an expiration date of May 1, 2015. Permit issued: May 5, 2014.

FEDERAL WATER POLLUTION CONTROL ACT SECTION 401

The Department has taken the following actions on previously received permit applications, requests for Environmental Assessment approval and requests for Water Quality Certification under section 401 of the Federal Water Pollution Control Act (FWPCA) (33 U.S.C.A. § 1341).

Except as otherwise noted, the Department has granted 401 Water Quality Certification certifying that the construction and operation described will comply with sections 301—303, 306 and 307 of the FWPCA (33 U.S.C.A. §§ 1311—1313, 1316 and 1317) and that the construction will not violate applicable Federal and State water quality standards.

Persons aggrieved by an action may appeal that action to the Environmental Hearing Board (Board) under section 4 of the Environmental Hearing Board Act and 2 Pa.C.S. §§ 501—508 and 701—704. The appeal should be sent to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the *Pennsylvania Bulletin* unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decisional law.

For individuals who wish to challenge an action, the appeal must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.

Important legal rights are at stake, however, so individuals should show this notice to a lawyer at once. Persons who cannot afford a lawyer may qualify for free pro bono representation. Call the Secretary to the Board at (717) 787-3483 for more information.

Actions on applications for the following activities filed under the Dam Safety and Encroachments Act (32 P.S. §§ 693.1—693.27), section 302 of the Flood Plain Management Act (32 P.S. § 679.302) and The Clean Streams Law and Notice of Final Action for Certification under section 401 of the FWPCA.

Permits, Environmental Assessments and 401 Water Quality Certifications Issued:

WATER OBSTRUCTIONS AND ENCROACHMENTS

Northeast Region: Waterways and Wetlands Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-1915, Telephone 570-826-2511.

E64-299. John Dempsey, 1610 Clay Avenue, Dunmore, PA 18509. Lake Township, **Wayne County**, Army Corps of Engineers Philadelphia District.

To remove an existing dock and to construct and maintain a pile supported boathouse/dock having a 1,064 square foot surface area in Lake Ariel (HQ-CWF, MF). The project is located at 282 West Shore Drive. (Lake Ariel, PA Quadrangle Latitude: 41°26'19.1"; Longitude: -75°22'46.9")

Southcentral Region: Waterways & Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110, Ed Muzic, Section Chief, 717.705.4802.

E21-436: PA Turnpike Commission, PO Box 67676, Harrisburg, PA 17106-7676 in Carlisle Borough and West Pennsboro, North Middleton and Middlesex Townships, **Cumberland County**, U.S. Army Corps of Engineers Baltimore District

To 1) Remove the existing structure and install and maintain a 65 foot long, 121.38 foot wide concrete box beam bridge over Alexander Spring Creek (CWF) (Latitude 40°12'26.31", Longitude -77°14'47.89") located at mile post 221.30. The proposed will permanently impact 0.06 acre of PEM wetland and temporarily impact an additional 0.07 acre of PEM wetland. At an offsite location, 0.06 acre of wetland mitigation will be provided; 2) Remove the existing structures and install and maintain: a) a 36 inch diameter, 150 foot long, Reinforced Concrete Pipe, b) a 36 inch diameter, 196 foot long, Reinforced Concrete Pipe, and c) a 48 inch diameter, 46 foot long, Reinforced Concrete Pipe, in an unnamed tributary to the Letort Spring Run (CWF) located at mile post 226.7. No wetlands will be affected by this activity. (Latitude 40°13'42.39", Longitude -77°08'59.92"); 3) Relocate 930 lineal feet of an unnamed tributary to the Letort Spring Run (HQ-CWF). The open channel flow of the unnamed tributary will increase from 275 feet to approximately 530 feet and will have an overall 150 foot decrease of stream enclosure. No wetlands will be affected by this activity. (Latitude 40°13'42.39", Longitude -77°08'59.92"), and 4) Permanently impact 0.01 acre of PEM wetland located at mile post 225.3. At an offsite location, 0.1 acre of wetland mitigation will be provided. (Latitude 40°13'26.67", Longitude -77°10'27.42"). The permit was issued effective April 30, 2014.

E06-693: County of Berks, Berks County Service Center, 633 Court Street, 16th Floor, Reading, PA 19601 in the City of Reading and West Reading Borough, **Berks County**, U.S. Army Corps of Engineers, Philadelphia District

To 1) repair, replace, and maintain the arch deck/floor beam system and the reinforced concrete superstructure and substructure of the Buttonwood Street Bridge over and across the Schuylkill River (WWF, MF), 2) install and maintain R6 scour protection along the Buttonwood Street Bridge Piers over and across the Schuylkill River (WWF, MF) permanently impacting 60 linear feet and 0.06 acre, and 3) construct a 103-foot long temporary rock causeway with twelve (12) 8-foot diameter CMP pipes, all for the purpose of improving transportation safety and roadway standards and maintain the bridge's ability to service traffic and pedestrians. The project is located along Buttonwood Street (Reading, PA Quadrangle, (Latitude: 40°20'20"N, Longitude: 75°56'32"W) in the City of Reading and West Reading Borough, Berks County. No wetlands are proposed to be impacted. The permit was issued effective May 1, 2014.

E21-437: North Middleton Township, 2051 Spring Road, Carlisle, PA 17013 in North Middleton Township,

Cumberland County, U.S. Army Corps of Engineers, Baltimore District giving its consent to 1) Remove the existing structure and install and maintain a 54.0 foot long, 24.0 foot wide bottomless concrete arch culvert over Alexander Spring Creek (CWF) (Latitude 40° 12' 31.8"; Longitude -77° 14' 47.35") located along Meadowbrook Road (T-706) for the purpose of increased roadway safety. The proposed culvert will permanently impact 0.03 acre of PEM wetland and temporarily impact an additional 0.01 acre of PEM wetland. At an offsite location, 0.03 acre of wetland mitigation will be provided and 2) Remove the existing structures and install and maintain a 41.1 foot long, 14.0 foot wide bottomless concrete arch culvert over Alexander Spring Creek (CWF) located along Dyarman Road (Latitude: 40° 12' 33.4"; Longitude: -77° 14' 42.4") for the purpose of increased roadway safety. No wetlands will be affected by this activity. The permit was issued effective May 1, 2014.

Northcentral Region: Waterways & Wetlands Program Manager, 208 West Third Street, Williamsport, PA 17701, 570-327-3636

E12-187. Cameron County Conservation District, 20 East Fifth Street-Room 105, Emporium, PA 15834-1469. Dubler Outdoor Classroom Driftwood Branch—Sinnemahoning Creek Floodfringe and Wheaton Hollow Floodway Development, Shippen Township, **Cameron County**. USACOE Baltimore District (Rich Valley, PA Quadrangle Latitude: 41° 30' 53.3"; Longitude: -78° 15' 5.7").

This authorization gives consent to construct, operate and maintain a 20-foot by 30-foot, open-sided pavilion within the 100-year flood fringe of Driftwood Branch, Sinnemahoning Creek and the floodway of Wheaton Hollow. The pavilion is to serve as an outdoor classroom immediately adjacent to the Gary Dubler Memorial Natural Trail. Construction, operation and maintenance of the pavilion shall be performed at existing elevations with no placement of fill. The project is located along the western right-of-way of SR 0046 (West Allegany Avenue) approximately 1485-feet north of Woodland Avenue and West Allegany Avenue intersection in Shippen Township, Cameron County. This permit was issued under Section 105.13(e) "Small Projects."

E60-215. Silvermoon Development, 145 Dustin Avenue, West Milton, PA 17886-8042. Silvermoon Fairfield Project, in Kelly Township, **Union County**, ACOE Baltimore District (Northumberland, PA Quadrangle N: 40° 59'40.60"; W: -76°52'25.69").

To 1) fill 0.17 acre of wetland in the Silvermoon Development located in the southwest corner of the Zeigler Road and SR 15 intersection, 2) construct and maintain replacement wetlands near West Milton north of the intersection of SR 1004 and Sandra Lee Boulevard (40° 1' 30.17" N, -76° 52' 33.72" W), in order to create a suitable building site for a car dealership. This project proposes to permanently impact 0.17 acre of PEM wetlands in the drainage area of the West Branch Susquehanna River, which is classified as a warm water fishery. This permit also includes 401 Water Quality Certification.

Northwest Region: Oil and Gas Management Program Manager, 230 Chestnut Street, Meadville, PA 16335

E42-08-004, Seneca Resources Corporation, 5800 Corporate Drive, Suite 300, Pittsburgh, PA 15237. West Branch Clarion River Surface Water Withdrawal and Waterline, off US Highway 219 in Sergeant and Wetmore Townships, **McKean County**, United States Army Corps

of Engineers Pittsburgh District (Mt. Jewett, PA Quad-range 41° 37' 35" N, 78° 40' 43" W).

Seneca Resources Corporation is proposing to construct and maintain a surface water withdrawal intake along the east bank of the West Branch Clarion River and a 2.76-mile waterline. Water will be conveyed from the surface water withdrawal to a pump station, which will then transport freshwater in a buried 10-inch waterline to a freshwater impoundment for use in natural gas well drilling operations.

The proposed waterline crossing of the West Branch Clarion River will be bored. The remaining pipeline stream crossings will be open trenched under unnamed tributaries to West Branch Clarion River, or trenched underneath existing culverts within an existing access road. One culvert replacement and one new culvert installation across an existing access road are proposed. Proposed stream impacts are limited to 104 feet of permanent impact, with 244 feet of temporary impact.

Approximately 0.28 acre of temporary wetland impacts are proposed associated with the temporary staging of materials or crossing of equipment. No permanent wetland impacts are proposed.

The water obstructions and encroachments for the purpose of installing the surface water withdrawal intake and waterline are described below:

(1) Construction of a surface water withdrawal intake and waterline buried under the streambed of West Branch Clarion River (CWF). Impacted length: 40 feet: (41.626503 N, -78.678739 W).

(2) A 10-inch waterline to be bored underneath 43 feet of West Branch Clarion River (CWF). Impacted length: 43 feet (bore with inadvertent return contingency plan): (41.626646 N, -78.678648 W).

(3) Temporary dam and pump bypass for installation of surface water withdrawal in West Branch Clarion River (CWF). Impacted length: 139 feet: (41.626646 N, -78.678648 W).

(4) Temporary surface wetland impacts within an exceptional value (EV), palustrine forested (PFO) wetland associated with temporary dam and pump bypass. Impacted area: 0.008 AC; (41.626871 N, -78.680509 W).

(5) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine forested (PFO) wetland associated with construction of 10" waterline within adjacent access road. No tree removal is proposed. Impacted area: 0.101 AC; (41.626871 N, -78.680509 W).

(6) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.027 AC; (41.627102 N, -78.679958 W).

(7) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.007 AC; (41.627375 N, -78.684266 W).

(8) Wetland impacts avoided. Impacted area: 0.0 AC; (41.627201 N, -78.684155 W).

(9) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wet-

land associated with construction of 10" waterline within adjacent access road. Impacted area: 0.002 AC; (41.627380 N, -78.685280 W).

(10) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.024 AC; (41.627489 N, -78.687509 W).

(11) Installation of a 10-inch waterline to be trenched underneath a 20" culvert conveying an unnamed tributary to West Branch Clarion River (CWF). Impacted length: 0 feet (trench under existing culvert): (41.627414 N, -78.687573 W).

(12) Installation of a 10-inch waterline to be trenched underneath a 20" culvert conveying an unnamed tributary to West Branch Clarion River (CWF). Impacted length: 0 feet (trench under existing culvert); (41.627351 N, -78.689002 W).

(13) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within exceptional value (EV), palustrine emergent (PEM) wetlands associated with construction of 10" waterline within adjacent access road. Impacted area: 0.002 AC; (41.627472 N, -78.689604 W).

(14) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within exceptional value (EV), palustrine emergent (PEM) wetlands associated with construction of 10" waterline within adjacent access road. Impacted area: 0.001 AC; (41.627373N, -78.689684 W).

(15) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.002 AC; (41.627487 N, -78.690619 W).

(16) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.002 AC; (41.627558 N, -78.690819 W).

(17) Installation of a 24" culvert replacement crossing of an unnamed tributary to West Branch Clarion River (CWF), as well as a 10-inch waterline to be trenched underneath the unnamed tributary. Impacted length: 42 feet (permanent), 22 feet (temporary); (41.627669 N, -78.691257 W).

(18) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.002 AC; (41.627715 N, -78.692022 W).

(19) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within exceptional value (EV), palustrine emergent (PEM) wetlands associated with construction of 10" waterline within adjacent access road. Impacted area: 0.055 AC; (41.629115 N, -78.696023 W).

(20) Installation of a 10-inch waterline to be trenched underneath a 20" culvert conveying an unnamed tributary to West Branch Clarion River (CWF). Impacted length: 0 feet (trench under existing culvert); (41.628246 N, -78.694536 W).

(21) Installation of a 10-inch waterline to be trenched underneath a 13" culvert conveying an unnamed tributary to West Branch Clarion River (CWF). Impacted length: 0 feet (trench under existing culvert); (41.628692 N, -78.695252 W).

(22) Installation of a 10-inch waterline to be trenched underneath existing 13" and 7.5" culverts conveying an unnamed tributary to West Branch Clarion River (CWF). Impacted length: 0 feet (trench under existing culvert); (41.628945 N, -78.695741 W).

(23) Construction of a 10-inch waterline to be trenched underneath a 20" culvert conveying an unnamed tributary to West Branch Clarion River (CWF). Impacted length: 0 feet (trench under existing culvert); (41.629522 N, -78.697169 W).

(24) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.005 AC; (41.62963 N, -78.697396 W).

(25) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.009 AC; (41.629845 N, -78.697926 W).

(26) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.001 AC; (41.630370 N, -78.698875 W).

(27) Installation of an 18" culvert crossing of an unnamed tributary to West Branch Clarion River (CWF), as well as a 10-inch waterline to be trenched underneath the unnamed tributary. Impacted length: 22 feet (permanent), 29 feet (temporary); (41.630279 N, -78.698863 W).

(28) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wet-

land associated with construction of 10" waterline within adjacent access road. Impacted area: 0.002 AC; (41.633436 N, -78.701382 W).

(29) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.001 AC; (41.633875 N, -78.702299 W).

(30) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent (PEM) wetland associated with construction of 10" waterline within adjacent access road. Impacted area: 0.001 AC; (41.634273 N, -78.704759 W).

(31) Temporary surface wetland impacts from staging of materials and temporary equipment crossing within an exceptional value (EV), palustrine emergent and forested (PEM/PFO) wetland associated with construction of 10" waterline within adjacent access road. No tree removal is proposed. Impacted area: 0.03 AC; (41.633201 N, -78.70977 W).

(32) Installation of a 10-inch waterline to be trenched underneath an unnamed tributary to West Branch Clarion River (CWF), and temporary timber mat road crossing. Impacted length: 30 feet; (41.632334 N, -78.715688 W).

E24-08-005, Seneca Resources Corporation, 5800 Corporate Drive, Suite 300, Pittsburgh, PA 15237-7098. Clermont Pad H to Pad NF-A Pipeline, in Jones Township, **Elk County**, Army Corps of Engineers Pittsburgh District (Glen Hazel, Wildwood Fire Tower, PA Quadrangle N: 41° 34' 38"; W: -78° 28' 53").

The applicant proposes to construct and maintain approximately 2.7 miles of one (1) 24" diameter natural gas pipeline, one (1) 12" natural gas pipeline and two (2) 16" diameter waterlines, as well as one permanent access road located in Jones Township, Elk County. The proposed pipeline will connect permitted gas well pad, Pad H to an existing compressor facility. The water obstructions and encroachments for the project are described below:

To construct and maintain:

| <i>Impact No.</i> | <i>Description of Impact</i> | <i>Latitude / Longitude</i> |
|-------------------|--|-----------------------------------|
| 1 | One (1) 24" diameter natural gas pipeline, one (1) 12" natural gas pipeline and two (2) 16" diameter waterlines with associated right-of-way and a temporary road crossing to cross Naval Hallow (EV) having 144 linear feet of temporary stream impact. | 41° 35' 01.34" -78° 28' 24.43" |
| 2 | One (1) 24" diameter natural gas pipeline, one (1) 12" natural gas pipeline and two (2) 16" diameter waterlines with associated right-of-way and a temporary road crossing to cross a UNT Naval Hallow (EV) having 163 linear feet of temporary stream impact. | 41° 34' 59.25" -78° 28' 24.41" |
| 3 | One (1) 24" diameter natural gas pipeline, one (1) 12" natural gas pipeline and two (2) 16" diameter waterlines with associated right-of-way and a temporary road crossing to cross a palustrine emergent (PEM) EV wetland, having .09 acre of temporary wetland impact. | 41° 34' 58.14" -78° 28' 23.52" |
| 4 | One (1) 24" diameter natural gas pipeline, one (1) 12" natural gas pipeline and two (2) 16" diameter waterlines with associated right-of-way and a temporary road crossing to cross a palustrine emergent (PEM) EV wetland, having .02 acre of temporary wetland impact. | 41° 34' 53.89" -78° 28' 23.10" |

The project will result in a total of 307 linear feet of temporary stream impacts and .11 acre of temporary EV wetland impacts from utility line and road crossings.

District Oil and Gas Operations: Eastern Oil & Gas District, 208 West Third Street, Suite 101, Williamsport, PA 17701

E5829-048 Amendment #1; Gibson Township, Williams Field Services Company, LLC; Park Place Corporate Center 2, 2000 Commerce Drive, Pittsburgh, PA 15275; Gibson Township, **Susquehanna County**, ACOE Baltimore District.

To construct, operate, and maintain:

1) a 16-inch natural gas pipeline and timber bridge crossing impacting 37 lineal feet of an unnamed tributary to Bell Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 07" Lat., W -75° 37' 35" Long.),

2) a 16-inch natural gas pipeline and timber bridge crossing impacting 90 lineal feet of an unnamed tributary to Bell Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 07" Lat., W -75° 37' 35" Long.),

3) a 16-inch natural gas pipeline and timber bridge crossing impacting 35 lineal feet of an unnamed tributary to Bell Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 06" Lat., W -75° 37' 29" Long.),

4) a 16-inch natural gas pipeline and timber bridge crossing impacting 41 lineal feet of Bell Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 06" Lat., W -75° 37' 27" Long.),

5) a 16-inch natural gas pipeline and timber bridge crossing impacting 101 lineal feet of an unnamed tributary to Bell Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 06" Lat., W -75° 37' 24" Long.),

6) a 16-inch natural gas pipeline and timber mat impacting 32,234 square feet (0.74 acre) of a PSS wetland (Thompson, PA Quadrangle; N 41° 46' 06" Lat., W -75° 37' 31" Long.),

7) a 16-inch natural gas pipeline and timber bridge crossing impacting 51 lineal feet of an unnamed tributary to Tunkhannock Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 17" Lat., W -75° 36' 37" Long.),

8) a 16-inch natural gas pipeline and timber bridge crossing impacting 78 lineal feet of an unnamed tributary to Tunkhannock Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 50" Lat., W -75° 36' 00" Long.),

9) a 16-inch natural gas pipeline and timber bridge crossing impacting 108 lineal feet of an unnamed tributary to Tunkhannock Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 55" Lat., W -75° 35' 54" Long.),

10) a 16-inch natural gas pipeline and timber bridge crossing impacting 89 lineal feet of an unnamed tributary to Tunkhannock Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 46' 58" Lat., W -75° 35' 57" Long.),

11) a 16-inch natural gas pipeline and timber bridge crossing impacting 81 lineal feet of an unnamed tributary to Tunkhannock Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 47' 09" Lat., W -75° 35' 54" Long.),

12) a 16-inch natural gas pipeline and timber bridge crossing impacting 50 lineal feet of Tunkhannock Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 47' 41" Lat., W -75° 35' 11" Long.),

13) a 16-inch natural gas pipeline and timber bridge crossing impacting 81 lineal feet of an unnamed tributary

to Tunkhannock Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 47' 41" Lat., W -75° 35' 08" Long.),

14) a 16-inch natural gas pipeline and timber bridge crossing impacting 59 lineal feet of an unnamed tributary to Tunkhannock Creek (CWF-MF) (Thompson, PA Quadrangle; N 41° 47' 41" Lat., W -75° 35' 06" Long.),

15) a 16-inch natural gas pipeline and timber mat crossing impacting 2,178 square feet (0.05 acre) of a PEM wetland (Thompson, PA Quadrangle; N 41° 46' 55" Lat., W -75° 35' 54" Long.),

16) a timber mat crossing impacting 871 square feet (0.02 acre) of a PEM wetland (Thompson, PA Quadrangle; N 41° 46' 59" Lat., W -75° 35' 58" Long.),

17) a 16-inch natural gas pipeline and timber mat crossing impacting 16,117 square feet (0.37 acre) of a PEM wetland (Thompson, PA Quadrangle; N 41° 47' 33" Lat., W -75° 35' 37" Long.),

18) a 16-inch natural gas pipeline and timber mat crossing impacting 871 square feet (0.02 acre) of a PEM wetland (Thompson, PA Quadrangle; N 41° 47' 41" Lat., W -75° 35' 11" Long.),

19) a 16-inch natural gas pipeline and timber mat crossing impacting 14,810 square feet (0.34 acre) of a PFO wetland (Thompson, PA Quadrangle; N 41° 47' 41" Lat., W -75° 35' 07" Long.).

The project consists of constructing approximately 4.5 miles of 16" natural gas gathering line from the Reilly J. well pad routed to the Southwest to the Davis pipeline in Gibson Township, Susquehanna County. Amendment #1 has been submitted to modify the permit for crossings 1 through 6 from the horizontal directional drill method to an open cut method of pipeline installation. The project includes 833 lineal feet of stream impacts, 0.46 acres of temporary wetland impacts, and 0.81 acre of permanent wetland conversion impacts, all for the conveyance of Marcellus Shale natural gas to market.

E0829-082. Talisman Energy USA, Inc.; 337 Daniel Zenker Drive, Horseheads, NY 14845; Warren Township, **Bradford County**, ACOE Baltimore District.

To construct, operate, and maintain:

1) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber mat crossing impacting 7,134 square feet (0.21 acre) of palustrine emergent wetland (PEM) (Little Meadows, PA Quadrangle; N 41° 56' 47" Lat., W -76° 08' 33" Long.),

2) a 20-inch and 16-inch diameter natural gas pipeline, and one 6-inch waterline crossing impacting 256 square feet (0.01 acre) of palustrine scrub shrub wetland (PSS) (Little Meadows, PA Quadrangle; N 41° 56' 46" Lat., W -76° 08' 33" Long.),

3) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber bridge crossing impacting 118 lineal feet of an unnamed tributary to Wappasening Creek (Little Meadows, PA Quadrangle; N 41° 56' 35" Lat., W -76° 08' 33" Long.).

The project consists of constructing approximately 4.57 miles of 16" and 20" natural gas gathering line and a 6" waterline connecting the Ostrander, Kropiewnicki, and Repine well sites located in Apolaccon Township, Susquehanna County and Warren Township, Bradford County. The Bradford County portion of the project results in 118 lineal feet of temporary stream impacts, 256 square feet (0.01 acre) of wetland conversion impacts, and 7,134 square feet (0.16 acre) of temporary wetland impacts. The overall project will result in 530 lineal feet

of temporary stream impacts, 14,562 square feet (0.33 acre) of wetland conversion impacts, and 21,091 square feet (0.48 acre) of temporary wetland impacts, all for the purpose of conveying Marcellus Shale natural gas to market.

E0829-077: Angelina Gathering Company, LLC, 2350 N. Sam Houston Parkway Houston, TX 77032, Herrick Township, **Bradford County**, ACOE Baltimore District.

To construct, operate and maintain:

1. a 12 inch diameter natural gas line, a 16 inch diameter water line and a timber mat bridge impacting 4,356 square feet of a Palustrine Forested Wetland (Le Raysville, PA Quadrangle, Latitude: 41° 45'33", Longitude: -76° 13'01");

2. a 12 inch diameter natural gas line, a 16 inch diameter water line and a timber mat bridge impacting 12,632 square feet of a Palustrine Emergent Wetland and 4,792 square feet of a Palustrine Scrub-Shrub Wetland (Le Raysville, PA Quadrangle, Latitude: 41° 45'49", Longitude: -76° 13'12");

3. a 12 inch diameter natural gas line, a 16 inch diameter water line and a timber mat bridge impacting 3,485 square feet of a Palustrine Emergent Wetland and 4,792 square feet of Palustrine Scrub-Shrub Wetland (Le Raysville, PA Quadrangle, Latitude: 41° 46'06", Longitude: -76° 13'17");

The project will result in 16,117 square feet (0.37 acre) of temporary PEM wetland impacts and 4,356 (0.10 acre) of conversion impacts to a PFO wetland and 9,584 (0.22 acre) of conversion impacts to a PSS wetland all for the purpose of installing a natural gas pipelines and a water line with associated access roadways for Marcellus shale development in Herrick Township, Bradford County.

E5829-060. Talisman Energy USA, Inc.; 337 Daniel Zenker Drive, Horseheads, NY 14845; Apolacon Township, **Susquehanna County**, ACOE Baltimore District.

To construct, operate, and maintain:

1) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 631 square feet (0.01 acre) of palustrine emergent wetland (PEM) (Friendsville, PA Quadrangle; N 41° 58' 06" Lat., W - 76° 06' 00" Long.),

2) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 711 square feet (0.02 acre) of palustrine scrub shrub wetland (PSS) (Friendsville, PA Quadrangle; N 41° 58' 06" Lat., W - 76° 05' 59" Long.),

3) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 1,698 square feet (0.04 acre) of palustrine forested wetland (PFO) (Friendsville, PA Quadrangle; N 41° 58' 06" Lat., W - 76° 06' 00" Long.),

4) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 59 lineal feet of an unnamed tributary to Apalachin Creek (Friendsville, PA Quadrangle; N 41° 58' 07" Lat., W - 76° 06' 00" Long.),

5) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 952 square feet (0.02 acre) of palustrine scrub shrub wetland (PSS) (Friendsville, PA Quadrangle; N 41° 57' 59" Lat., W - 76° 06' 04" Long.),

6) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 589 square feet (0.01 acre) of palustrine emergent wetland (PEM) (Friendsville, PA Quadrangle; N 41° 57' 59" Lat., W - 76° 06' 05" Long.),

7) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber bridge crossing impacting 23 lineal feet of an unnamed tributary to Apalachin Creek (Friendsville, PA Quadrangle; N 41° 57' 59" Lat., W - 76° 06' 05" Long.),

8) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber bridge crossing impacting 33 lineal feet of an unnamed tributary to Apalachin Creek (Friendsville, PA Quadrangle; N 41° 57' 59" Lat., W - 76° 06' 04" Long.),

9) a 20-inch and 16-inch diameter natural gas pipeline and a one 6-inch waterline crossing impacting 45 lineal feet of an unnamed tributary to Apalachin Creek (Friendsville, PA Quadrangle; N 41° 57' 59" Lat., W - 76° 06' 05" Long.),

10) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber bridge crossing impacting 72 lineal feet of Apalachin Creek (Friendsville, PA Quadrangle; N 41° 57' 51" Lat., W - 76° 06' 14" Long.),

11) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and temporary timber mat crossing impacting 1,499 square feet (0.03 acre) of palustrine emergent wetland (PEM) (Friendsville, PA Quadrangle; N 41° 57' 44" Lat., W - 76° 06' 24" Long.),

12) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber bridge crossing impacting 77 lineal feet of an unnamed tributary to Apalachin Creek (Friendsville, PA Quadrangle; N 41° 57' 44" Lat., W - 76° 06' 24" Long.),

13) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber mat crossing impacting 5,047 square feet (0.12 acre) of palustrine emergent wetland (PEM) (Friendsville, PA Quadrangle; N 41° 57' 41" Lat., W - 76° 06' 25" Long.),

14) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 2,670 square feet (0.06 acre) of palustrine emergent wetland (PEM) (Friendsville, PA Quadrangle; N 41° 57' 40" Lat., W - 76° 06' 29" Long.),

15) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 936 square feet (0.02 acre) of palustrine emergent wetland (PEM) (Friendsville, PA Quadrangle; N 41° 57' 33" Lat., W - 76° 07' 16" Long.),

16) a 20-inch and 16-inch diameter natural gas pipeline and one 6-inch waterline crossing impacting 68 lineal feet of an unnamed tributary to Apalachin Creek (Little Meadows, PA Quadrangle; N 41° 57' 16" Lat., W - 76° 07' 37" Long.),

17) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber mat crossing impacting 1,991 square feet (0.05 acre) of palustrine forested wetland (PFO) (Little Meadows, PA Quadrangle; N 41° 57' 16" Lat., W - 76° 07' 37" Long.),

18) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber mat crossing impacting 8,954 square feet (0.21 acre) of palustrine scrub shrub wetland (PSS) (Little Meadows, PA Quadrangle; N 41° 57' 15" Lat., W - 76° 07' 38" Long.),

19) a 20-inch and 16-inch diameter natural gas pipeline, one 6-inch waterline, and a temporary timber mat crossing impacting 2,585 square feet (0.06 acre) of palustrine emergent wetland (PEM) (Little Meadows, PA Quadrangle; N 41° 57' 15" Lat., W - 76° 07' 38" Long.),

20) a temporary timber bridge crossing impacting 35 lineal feet of an unnamed tributary to Apalachin Creek (Little Meadows, PA Quadrangle; N 41° 57' 45" Lat., W - 76° 07' 18" Long.).

The project consists of constructing approximately 4.57 miles of 16" and 20" natural gas gathering line and a 6" waterline connecting the Ostrander, Kropiewnicki, and Repine well sites located in Apolaccon Township, Susquehanna County and Warren Township, Bradford County. The Susquehanna County portion of the project results in 412 lineal feet of temporary stream impacts, 14,306 square feet (0.33 acre) of wetland conversion impacts, and 13,957 square feet (0.32 acre) of temporary wetland impacts. The overall project will result in 530 lineal feet of temporary stream impacts, 14,562 square feet (0.33 acre) of wetland conversion impacts, and 21,091 square feet (0.48 acre) of temporary wetland impacts, all for the purpose of conveying Marcellus Shale natural gas to market.

E5829-065: Bridgewater Township, Williams Field Services Company, LLC; Park Place Corporate Center 2, 2000 Commerce Park Drive, Pittsburgh, PA 15275; Bridgewater Township, **Susquehanna County**, ACOE Baltimore District.

To construct, operate, and maintain:

1) a 10-inch diameter natural gas pipeline and temporary timber bridge crossing impacting 52 linear feet of an unnamed tributary to Meshoppen Creek (CWF-MF) (Montrose, PA Quadrangle; N 41° 47' 26" Lat., W - 75° 52' 24" Long.),

2) a 10-inch diameter natural gas pipeline and temporary timber bridge crossing impacting 141 linear feet of an unnamed tributary to Meshoppen Creek (CWF-MF) (Montrose, PA Quadrangle; N 41° 47' 26" Lat., W - 75° 52' 22" Long.),

3) a 10-inch diameter natural gas pipeline and temporary timber mat crossing impacting 31,339 square feet (0.72 acre) of PEM wetlands (Montrose, PA Quadrangle; N 41° 47' 25" Lat., W - 75° 52' 29" Long.),

4) a 10-inch diameter natural gas pipeline and temporary timber mat crossing impacting 2,168 square feet (0.05 acre) of PFO wetlands (Montrose, PA Quadrangle; N 41° 47' 26" Lat., W - 75° 52' 21" Long.),

5) a 10-inch diameter natural gas pipeline and temporary timber bridge crossing impacting 51 linear feet of an unnamed tributary to Meshoppen Creek (CWF-MF) (Montrose, PA Quadrangle; N 41° 47' 20" Lat., W - 75° 52' 38" Long.).

The project consists of constructing approximately 5,748 lineal feet (1.1 miles) of 10" natural gas gathering line, within a maintained 45 to 75 foot permanent right of way located in Bridgewater Township, Susquehanna County. The project will result in 244 lineal feet of temporary stream impacts, 0.72 acre of temporary wetland impacts, and 0.05 acre of permanent wetland conversion impacts, all for the purpose of conveying Marcellus Shale natural gas to market.

DAM SAFETY

Central Office: Bureau of Waterways Engineering and Wetlands, Rachel Carson State Office Building, Floor 3, 400 Market Street, Harrisburg, PA 17105

D30-078. Cumberland Coal Resources, LP. P. O. Box 1020, 158 Portal Road, Waynesburg, PA 15370. Permit issued to modify Cumberland No. 1 Sedimentation Pond across a tributary to Whiteley Creek (TSF) for the purpose of sedimentation control. The existing sediment pond will be modified to accommodate additional storm runoff from Cumberland No. 1 CRDA. No wetland or stream impacts are anticipated through this project.

(Oak Forest, PA Quadrangle; Latitude: 39.799N, Longitude: 80.151W) Whiteley Township, **Greene County**.

EROSION AND SEDIMENT CONTROL

The following Erosion and Sediment Control permits have been issued.

Persons aggrieved by an action may appeal that action to the Environmental Hearing Board (Board) under section 4 of the Environmental Hearing Board Act and 2 Pa.C.S. §§ 501—508 and 701—704. The appeal should be sent to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the *Pennsylvania Bulletin* unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decisional law.

For individuals who wish to challenge an action, the appeal must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.

Important legal rights are at stake, however, so individuals should show this notice to a lawyer at once. Persons who cannot afford a lawyer may qualify for free pro bono representation. Call the Secretary to the Board at (717) 787-3483 for more information.

Northwest Region: Oil and Gas Program Manager, 230 Chestnut St., Meadville, PA 16335

ESCGP-1 #ESX14-019-0025—Hamilton Well Pad & Tank Pad

Applicant Rex Energy Operating Corp
Contact Richard Watson
Address 600 Cranberry Woods Drive, Suite 250
City Cranberry Township State PA Zip Code 16066
County Butler Township(s) Lancaster(s)
Receiving Stream(s) and Classification(s) Scholars Run—WWF

ESCGP-1 #ESG13-047-0010—NWPA Warrant 3781 Project

Applicant SWEPI LP
Contact Mr. Jason Shoemaker
Address 2100 Georgetown Drive, Suite 400
City Sewickley State PA Zip Code 15143
County Elk Township(s) Highland(s)
Receiving Stream(s) and Classification(s) Chaffee Run (HQ-CWF), Unnamed tributaries to East Branch Spring Creek (HQ-CWF)

ESCGP-1 #ESX14-083-0001—NWPA Warrant 2426 Project

Applicant Swepi LP
Contact Jason Shoemaker
Address 2100 Georgetown Drive, Suite 400

City Sewickley State PA Zip Code 15143
County Mckean Township(s) Sergeant(s)
Receiving Stream(s) and Classification(s) Rocky Run CWF

ESCGP-1 #ESX14-073-0006—New Wilmington Short Well Pad

Applicant Hilcorp Energy Company, LLC
Contact Ms. Stephanie McMurray
Address 1201 Louisiana Street, Suite 1400
City Houston State TX Zip Code 77002
County Lawrence Township(s) Wilmington(s)
Receiving Stream(s) and Classification(s) Unnamed Tributary to Little Neshannock Creek.

ESCGP-1 #ESX14-073-0006—New Wilmington Short Well Pad

Applicant Hilcorp Energy Company, LLC
Contact Ms. Stephanie McMurray
Address 1201 Louisiana Street, Suite 1400
City Houston State TX Zip Code 77002
County Lawrence Township(s) Wilmington(s)
Receiving Stream(s) and Classification(s) Unnamed Tributary to Little Neshannock Creek

ESCGP-1 #ESX14-019-0023—West Well Lateral

Applicant Markwest Liberty Bluestone LLC
Contact Rick Lowry
Address 4600 J Barry Court, Suite 500
City Canonsburg State PA Zip Code 15317
County Butler Township(s) Forward & Adams(s)
Receiving Stream(s) and Classification(s) Glade Run, WWF & UNT's to Glade Run

ESCGP-1 #ESX13-083-0002B—Warrant 3122 Project Major Modification

Applicant Catalyst Energy, Inc;
Contact Douglas Jones
Address 424 South 27th Street, Suite 304
City Pittsburgh State PA Zip Code 15203
County McKean Township(s) Wetmore(s)
Receiving Stream(s) and Classification(s) South Branch Kinzua Creek HQ, Kinzua Creek CWF

ESCGP-1 #ESX14-073-0010—Mahoning Phillips Well Pad

Applicant Hilcorp Energy Company, LLC
Contact Ms. Stephanie McMurray
Address 1201 Louisiana Street, Suite 1400
City Houston State TX Zip Code 77002
County Lawrence Township(s) Mahoning(s)
Receiving Stream(s) and Classification(s) UNT to Mahoning River & Coffee Run, Mahoning River WWF

ESCGP-1 #ESX14-073-0009—Sigel to Phillips Tap Site Pipeline

Applicant Hilcorp Energy Company, LLC
Contact Ms. Stephanie McMurray
Address 1201 Louisiana Street, Suite 1400
City Houston State TX Zip Code 77002
County Lawrence Township(s) Mahoning(s)
Receiving Stream(s) and Classification(s) Marshall Run, UNT to Mahoning River & Coffee Run, WWF Mahoning River

ESCGP-1 #ESG14-047-0003—Tamarack Pad D

Applicant Seneca Resources Corporation
Contact Michael Clinger
Address 51 Zents Blvd
City Brookville State PA Zip Code 15825
County Elk Township(s) Jones(s)
Receiving Stream(s) and Classification(s) Ospeck Hollow HQ-CWF/EV, UNT to Lukes Run HQ-CWF, East Branch Clarion River HQ-CWF Clarion River CWF

ESCGP-1 #ESX14-085-0015—Jackson-Schulz Well Pad
Applicant Hilcorp Energy Company

Contact Ms. Stephanie McMurray
Address 1201 Louisiana Street, Suite 1400
City Houston State TX Zip Code 77002
County Mercer Township(s) Jackson(s)
Receiving Stream(s) and Classification(s) Yellow Creek (TSF),
Secondary Receiving Water Neshannock Creek (TSF).

ESCGP-1 #ESG14-123-0001—Rensma 2920 Tract

Applicant Wilmoth Interests, Inc
Contact Jason Wells
Address 550 Hastings Road
City Marion Center State PA Zip Code 15759
County Warren Township(s) Sheffield(s)
Receiving Stream(s) and Classification(s) Phillips Run, County Line Run/Tionesta Creek

ESCGP-1 # ESX12-085-0013A—Lackawannock—James Well Pad & Impoundment—Major Modification

Applicant Hilcorp Energy Company
Contact Ms. Stephanie McMurray
Address 1201 Louisiana Street, Suite 1400
City Houston State TX Zip Code 77002
County Mercer Township(s) Lackawannock(s)
Receiving Stream(s) and Classification(s) UNT to Little Neshannock Creek (TSF)

ESCGP-1 #ESX14-073-0007—Mahoning Gebhardt Well Pad

Applicant Hilcorp Energy Company
Contact Ms. Stephanie McMurray
Address 1201 Louisiana Street, Suite 1400
City Houston State TX Zip Code 77002
County Lawrence Township(s) Mahoning(s)
Receiving Stream(s) and Classification(s) North UNT to Mahoning River, East UNT to Mahoning River

Eastern Region: Oil & Gas Management Program Manager, 208 West Third Street, Williamsport, PA 17701

ESCGP-1 # ESG29-115-0029

Applicant Name Bluestone Pipeline Company of PA, Inc.
Contact Person Herman Van Eck, Jr.
Address 1429 Oliver Road
City, State, Zip New Milford, PA 18834
County Susquehanna County
Township(s) Harmony and Thompson Townships
Receiving Stream(s) and Classification(s) East and South Branch of Canawacta Creek (CWF-MF), Wild Cat Run (CWF/MF)

ESCGP-1 # ESG29-115-14-0014

Applicant Name Talisman Energy USA, Inc.
Contact Person Lance Ridall
Address 337 Daniel Zenker Drive
City, State, Zip Horseheads, NY 14845
County Bradford and Susquehanna Counties
Township(s) Warren and Apolacan Townships
Receiving Stream(s) and Classification(s) UNTs to Apalachin Creek #31734 (CWF/MF, NRT, (EV));
Secondary: Apalachin Creek (CWF/MF), also classified as an NRT; EV Wetlands.

ESCGP-1 # ESG29-081-14-0013

Applicant Name PVR Marcellus Gas Gathering, LLC
Contact Person Nicholas Bryan
Address 101 W Main Street
City, State, Zip Williamsport, PA 17701
County Lycoming County
Township(s) Cummings Township
Receiving Stream(s) and Classification(s) UNT to First Fork Larry's Creek, First Fork Larry's Creek (EV-MF);
Secondary: Larry's Creek (EV-MF)

ESCGP-1 # ESX12-115-0215 (01)
 Applicant Name Cabot Oil & Gas Corporation
 Contact Person Kenneth Marcum
 Address Five Penn Center West, Suite 401
 City, State, Zip Pittsburgh, PA 15276
 County Susquehanna County
 Township(s) Gibson Township
 Receiving Stream(s) and Classification(s) UNTs to Bell
 Creek, Butler Creek (CWF/MF)

ESCGP-1 # ESX29-015-14-0012
 Applicant Name Angelina Gathering Company, LLC
 Contact Person Danny Spaulding
 Address 2350 N Sam Houston Pkwy E, Ste 125
 City, State, Zip Houston, TX 77035
 County Bradford County
 Township(s) Herrick Township
 Receiving Stream(s) and Classification(s) UNT to Camps
 Creek/Wyalusing Creek Watershed (WWF);
 Secondary: Camps Creek (WWF)

*Southwest Region: Oil & Gas Program Mgr. 400 Water-
 front Dr. Pittsburgh PA*

ESCGP-2 No: ESX13-003-0005
 Applicant Name: Range Resources Appalachia LLC
 Contact Person Mr Glenn D Truzzi

Address: 3000 Town Center Boulevard
 City: Canonsburg State: PA Zip Code: 15317
 County: Allegheny Township: South Fayette
 Receiving Stream (s) And Classifications: UNTs to Millers
 Run and Fishing Run / Chartiers Creek Watershed;
 Other WWF

ESCGP-2 No.: ESX12-125-0135
 Applicant Name: CNX Gas Company LLC
 Contact Person: Mr Daniel Bitz
 Address: 200 Evergreene Drive
 City: Waynesburg State: PA Zip Code: 15370
 County: Washington Township(s): West Finley
 Receiving Stream(s) and Classifications: UNT TO TRIBU-
 TARY 32650 TO Robinson Fork (WWF), Spottedtail
 Run (WWF) and UNT to Spottedtail Run (WWF); Other
 WWF

ESCGP-2 No.: ESG13-059-0030
 Applicant Name: CNX Gas Company LLC
 Contact Person: Ms Sarah Baughman
 Address: 200 Evergreene Drive
 City: Waynesburg State: PA Zip Code: 15370
 County: Greene Township(s): Center
 Receiving Stream(s) and Classifications: Jacobs Run,
 Maranda Run & Grays Fork / South Fork Tenmile
 Creek; HQ; Other WWF

SPECIAL NOTICES

Notice of Certification to Perform Radon-Related Activities in Pennsylvania

In the month of April 2014 Department of Environmental Protection of the Commonwealth of Pennsylvania, under the authority contained in the Radon Certification Act, act of July 9, 1987, P. L. 238, No. 43 (63 P. S. Sections 2001—2014) and regulations promulgated thereunder at 25 Pa. Code Chapter 240, has certified the persons listed below to perform radon-related activities in Pennsylvania. The period of certification is two years. (For a complete list of persons currently certified to perform radon-related activities in Pennsylvania and for information as to the specific testing devices that persons certified for testing or laboratory are certified to use, contact the Bureau of Radiation Protection, Radon Division, P. O. Box 8469, Harrisburg, PA 17105-8469, (1-800-23RADON).

| <i>Name</i> | <i>Address</i> | <i>Type of Certification</i> |
|--|---|----------------------------------|
| Accredited Radon Systems | 201 Penn Center Blvd. Ste. 400 Pittsburgh, PA 15235 | Mitigation |
| Kevin Adams | 208 Latimer Ave. Strabane, PA 15363 | Testing |
| Clifford Ardinger | 101 Bertley Dr. Coraopolis, PA 15108 | Testing |
| Allan Berger | 153 Parry Rd. Moscow, PA 18444 | Testing |
| Thomas Bimson | 3650 Concorde Pkwy. Ste. 100 Chantilly, VA 20151 | Testing |
| Frank Carey, III | 120 Aster Ct. Exeter, PA 18643 | Testing |
| Clean Vapor, LLC | PO Box 688 Blairstown, NJ 07825 | Mitigation |
| Thomas d'Arcy Radon Testing Systems | PO Box 243 Newtown, PA 18940 | Testing |
| James Davis | 614 Lincoln Ave. Jermyn, PA 18433 | Testing |
| Eagle Home Inspections, LLC | 543 Twele Rd. Greenock, PA 15047 | Testing |
| Richard Finn | 6 Glendale Dr. Mountain Top, PA 18707 | Testing |

| <i>Name</i> | <i>Address</i> | <i>Type of Certification</i> |
|---|--|------------------------------|
| Frank Glantz | PO Box 866 Lemont, PA 16851 | Mitigation |
| Russell Heiges | 351 Big Oak Rd. Dillsburg, PA 17019 | Mitigation |
| Imperial Home Inspections, LLC | 340 Freed Rd. Harleysville, PA 19438 | Testing |
| Dewey Kerns | PO Box 263 Effort, PA 18330 | Testing |
| Scott Latosky | 722 Sue St. Houtzdale, PA 16651 | Testing |
| Eric Levine | 110 Music Center Dr. East Stroudsburg, PA 18301 | Testing & Mitigation |
| Stephen Mento | 25 Fox Farm Ln. Downingtown, PA 19335 | Testing |
| Jill McNabb Pillar to Post | 16 Barberry Ln. Easton, PA 18045 | Testing |
| Michael Morales | 105 Buck Hill Tr. Montague, NJ 07827 | Testing |
| Cristopher Murphy WIN-Murrysville | 3045 Heidler Ln. Export, PA 15652 | Testing |
| Curtis Niles Armored Home Inspections, LLC | 7101 Wayne Ave. Upper Darby, PA 19082 | Testing |
| Gary Olinchak | 516 Tasker Ave. Norwood, PA 19074 | Mitigation |
| Lisa Roddis | PO Box 862 Hockessin, DE 19707 | Testing |
| Larry Smith | 191 Route 715 Brodheads ville, PA 18322 | Testing |
| David Yokum | 215 Taylor Ave. York, PA 17406 | Mitigation |

DRINKING WATER STATE REVOLVING FUND SPECIAL NOTICE

Special Notice Under the Federal Safe Drinking Water Act (SDWA) (42 U.S.C.A. §§ 300f, et. seq.)

Southwest Region: Water Supply Management Program Manager, 400 Waterfront Drive, Pittsburgh, Pa 15222-4745

Project Location:

| <i>Applicant</i> | <i>Applicant Address</i> | <i>County</i> |
|--------------------------------------|---------------------------------------|---------------|
| Cresson Township Municipal Authority | 717 Portage Road Cresson, PA 16630 | Cambria |

Project Description: The Pennsylvania Infrastructure Investment Authority, which administers the Commonwealth's State Revolving Fund, is intended to be the funding source for this project. The Cresson Township Municipal Authority proposes the installation of approximately 18,500 feet of 8-inch diameter PVC waterline and fire hydrants in Cresson and Munster Townships. The Department's review of the project and the information received in the Environmental Report for the project has not identified any significant, adverse environmental impact resulting from this proposal. The Department hereby approves the Environmental Assessment.

Project Location:

| <i>Applicant</i> | <i>Applicant Address</i> | <i>County</i> |
|--|--|---------------|
| The Municipal Authority of the Borough of Carmichaels | 104 North Pine Street Carmichaels, PA 15320 | Greene |

Project Description: The Pennsylvania Infrastructure Investment Authority, which administers the Commonwealth's State Revolving Fund, is intended to be the funding source for this project. The Municipal Authority of the Borough of Carmichaels proposes to modify the existing water treatment facility to restore treatment process efficiency and improve overall water quality by replacing of the existing filter backwash controls to improve backwash efficiency and consistency. At storage tanks #4 and #5, they will be installing spray aeration to remove trihalomethanes, and also installing a mixing and chlorine booster system to improve water quality consistency in the water storage tanks. The Department's review of the project and the information received in the Environmental Report for the project has not identified any significant, adverse environmental impact resulting from this proposal. The Department hereby approves the Environmental Assessment.

Project Location:

| <i>Applicant</i> | <i>Applicant Address</i> | <i>County</i> |
|------------------------------------|--|---------------|
| Pittsburgh Water & Sewer Authority | 1200 Penn Avenue Pittsburgh, PA 15222 | Allegheny |

Project Description: The Pennsylvania Infrastructure Investment Authority, which administers the Commonwealth's State Revolving Fund, is intended to be the funding source for this project. The project involves the removal of the existing longitudinal sludge collectors and screw cross collections in Clarifier Nos. 1, 2 and 3, and their replacement with new equipment; the replacement of existing Motor Control Centers No. 6 and 7 in the electrical room at the clarifier tanks; the rehabilitation of 10,000 lineal feet of pipe main that is over 150 years old—the Fox Chapel 60" riveted steel pipe water main from the Aspinwall Water Treatment Plant to the Borough of Blawnox; and the cleaning and rehabilitation of the Squirrel Hill above ground water storage tank (3 million gallons capacity). The Department's review of the project and the information received in the Environmental Report for the project has not identified any significant, adverse environmental impact resulting from this proposal. The Department hereby approves the Environmental Assessment.

Project Location:

| <i>Applicant</i> | <i>Applicant Address</i> | <i>County</i> |
|---|--|----------------------|
| The Municipal Authority of the Borough of Edgeworth | 313 Beaver Road Edgeworth, PA 15143 | Allegheny and Beaver |

Project Description: The Pennsylvania Infrastructure Investment Authority, which administers the Commonwealth's State Revolving Fund, is intended to be the funding source for this project. This project is for the construction of a new 491,000 gallon HealthSouth Water Storage Tank that includes replacement of the sodium hypochlorite feed system, installation of a mixing system and demolition of the existing HealthSouth and Old Camp Meeting Road water storage tanks. Replace a portion of the waterline along Route 65. Update the SCADA system. Improve the Singer pressure district which includes the demolition of the existing Singer water storage tank, replace the waterline along Chestnut Road and replace the Singer Pump Station with a constant pressure pump station. Make improvements to the Leetsdale Industrial Park service which includes replacing the waterline across Route 65 and adding bypass piping around the Ambridge Pump Station. The Department's review of the project and the information received in the Environmental Report for the project has not identified any significant, adverse environmental impact resulting from this proposal. The Department hereby approves the Environmental Assessment.

[Pa.B. Doc. No. 14-1042. Filed for public inspection May 16, 2014, 9:00 a.m.]

Bid Opportunity

OOGM 13-14, Cleaning Out and Plugging One Abandoned Gas Well (Beatty Pointe Village, Jeffrey D. Lewis, Director of Maintenance, Property), Monroeville Borough, Allegheny County. The principal items of work and approximate quantities are to clean out and plug one abandoned gas well, estimated to be 3,500 feet in depth, to Department of Environmental Protection specifications; to prepare and restore well sites/site; and to mobilize and demobilize plugging equipment. This project issues on May 16, 2014, and bids will be opened on June 26, 2014, at 2 p.m. Bid documents cost \$10 per set and will not be mailed until payment has been received. A prebid meeting will be held on June 3, 2014, at 12 p.m. Contact the Construction Contracts Section at (717) 787-7820 or dhopp@pa.gov for more information on this bid.

E. CHRISTOPHER ABRUZZO,
Secretary

[Pa.B. Doc. No. 14-1043. Filed for public inspection May 16, 2014, 9:00 a.m.]

Public Notice of the Availability of National Pollutant Discharge Elimination System General Permit for Wet Weather Overflow Discharges from Combined Sewer Systems (PAG-06)

Under The Clean Streams Law (35 P.S. §§ 691.1—691.1001) and sections 1905-A, 1917-A and 1920-A of The

Administrative Code of 1929 (71 P.S. §§ 510-5, 510-17 and 510-20), the Department of Environmental Protection (Department), by this notice, informs the public of the availability of the National Pollution Discharge Elimination System (NPDES) PAG-06 General Permit for Wet Weather Overflow Discharges from Combined Sewer Systems. The General Permit will become effective at 12 a.m. on Sunday, June 1, 2014.

The PAG-06 General Permit is intended to provide NPDES permit coverage to satellite combined sewer systems with wet weather combined sewer overflow (CSO) discharges to waters of the Commonwealth.

Notice of the availability of a draft PAG-06 General Permit was published at 43 Pa.B. 6606 (November 2, 2013). A 30-day comment period was provided for as part of the draft permit publication. No public comments were received.

The proposed Notice of Intent (NOI) fee for coverage under this General Permit is \$100 per year that the combined sewer system is in operation. The NOI fee is to be paid in installments; \$100 must be included with the NOI and \$100 must be included with the Annual CSO Status Report for each year of continuing permit coverage. The Department anticipates that once coverage under the General Permit is authorized, coverage will continue without the need to submit a separate, subsequent NOI for renewal of coverage as long as the PAG-06 General Permit is renewed, unless the Department specifically requires the submission of a separate, subsequent NOI in writing. The permittee must agree and certify that the permittee has read and continues to be eligible for coverage under the most recent PAG-06 and that it will comply with any conditions and modifications to

those conditions. This certification, which will be included as a part of the Annual CSO Status Report, represents the permittee's subsequent NOI for continued coverage under any subsequently renewed PAG-06.

The following changes were made to the final PAG-06 General Permit in comparison to the draft PAG-06 General Permit published at 43 Pa.B. 6606:

- Clarification was made that following initial coverage under this General Permit, the submission of Annual CSO Status Reports in accordance with Part C III.C of the General Permit constitutes the permittee's NOI for continued coverage under the General Permit.

- The permit reopener clause has been reinstated in Part C.V of the General Permit. The clause is in the existing permit but was omitted from the draft permit.

- Part C.II.C.3.d of the General Permit has been revised to include the Department's approval of the post construction monitoring protocol to verify compliance with water quality standards and protection of designated uses and to evaluate the effectiveness of CSO controls.

- The Annual CSO Status Report form has been modified to include CSO inventory with each annual report. The inventory requires the outfall identifier, the latitude/

longitude of the outfall and receiving waters. A question has been added that requests information on any changes to the CSO Inventory over the past calendar year.

- The fact sheet has been updated to reflect the previously listed changes in the permit language and also to indicate the total number of permittees with PAG-06 coverage.

The permit document package can be accessed through the Department's eLibrary web site at www.elibrary.dep.state.pa.us by selecting "Permit and Authorization Packages," then "Point and Non-Point Source Management," then "National Pollutant Discharge Elimination System—NPDES," then "General Permits" and "PAG-06—General Permit for Wet Weather Overflow Discharges from Combined Sewer Systems."

For PAG-06 General Permit NOIs, the Department will publish notice in the *Pennsylvania Bulletin* for approvals of coverage only (see 25 Pa. Code § 92a.84(c)(3) (relating to public notice of general permits)).

E. CHRISTOPHER ABRUZZO,
Secretary

[Pa.B. Doc. No. 14-1044. Filed for public inspection May 16, 2014, 9:00 a.m.]

Recycling Grant Awards under the Municipal Waste Planning, Recycling and Waste Reduction Act of 1988, Act 101

The Department of Environmental Protection (Department) announces the following grants to municipalities for recycling programs under section 902 of the Municipal Waste Planning, Recycling and Waste Reduction Act (act) (53 P. S. § 4000.902). Over \$15 million in grants was awarded to 104 municipalities as follows.

Grant funds are used to develop and implement recycling programs. Municipalities and counties are eligible for up to 90% funding of approved recycling program costs. Municipalities considered financially distressed by the Department of Community and Economic Development under the Municipalities Financial Recovery Act (53 P. S. §§ 11701.101—11701.712), also known as the Financially Distressed Municipalities Act, are eligible for 100% of approved costs. All grant awards are predicated on the receipt of recycling fees required by sections 701 and 702 of the act (53 P. S. §§ 4000.701 and 4000.702) and the availability of moneys in the Recycling Fund.

Inquiries regarding the grant offerings should be directed to Mark Vottero, Recycling Grants Coordinator, Department of Environmental Protection, Bureau of Waste Management, Division of Waste Minimization and Planning, Rachel Carson State Office Building, P. O. Box 8472, Harrisburg, PA 17105-8472.

| <i>Applicant</i> | <i>Project</i> | <i>Awarded</i> |
|---|--|----------------|
| Southeast Region | | |
| Caln Township Chester County | Leaf Waste and Curbside Recycling Program | \$222,523 |
| Central Chester County RA Chester County | Leaf Waste Program | \$141,594 |
| Coatesville City Chester County | Curbside and Educational Recycling Programs | \$183,199 |
| East Coventry Township Chester County | Project Development | \$6,792 |
| East Pikeland Township Chester County | Leaf Waste Processing Program | \$238,183 |
| Kennett Square Borough Chester County | Leaf Waste and Curbside Recycling Programs | \$186,326 |
| Phoenixville Borough Chester County | Curbside Recycling Program | \$247,171 |
| Schuylkill Township Chester County | Leaf Waste Facility | \$112,506 |
| Aston Township Delaware County | Curbside Recycling Collection | \$175,240 |
| Chester City Delaware County | Curbside Recycling Program | \$215,250 |

NOTICES

| <i>Applicant</i> | <i>Project</i> | <i>Awarded</i> |
|---|--|----------------|
| Darby Township Delaware County | Curbside Recycling Program | \$47,115 |
| Haverford Township Delaware County | Curbside Collection Program | \$193,080 |
| Marple Township Delaware County | Curbside Recycling Program | \$166,880 |
| Prospect Park Borough Delaware County | Curbside Recycling Program | \$44,415 |
| Swarthmore Borough Delaware County | Leaf Waste Program | \$250,000 |
| Upper Chichester Township Delaware County | Curbside Recycling Program | \$162,810 |
| Upper Darby Township Delaware County | Curbside Recycling Program | \$250,000 |
| Abington Township Montgomery County | Curbside Recycling Program | \$250,000 |
| Conshohocken Borough Montgomery County | Curbside Recycling Program | \$164,298 |
| Philadelphia City Philadelphia County | Curbside Recycling Program | \$250,000 |
| Northeast Region | | |
| Palmerton Borough Carbon County | Curbside Recycling Program | \$25,497 |
| Penn Forest Township Carbon County | Drop-off Recycling Program | \$213,705 |
| Archbald Borough Lackawanna County | Curbside Collection Program | \$225,883 |
| Dickson City Borough Lackawanna County | Curbside Recycling and Education Programs | \$247,433 |
| Mayfield Borough Lackawanna County | Curbside Recycling and Education Programs | \$13,445 |
| Moosic Borough Lackawanna County | Curbside Collection Program | \$250,000 |
| Moscow Borough Lackawanna County | Curbside and Drop-off Recycling Programs | \$189,759 |
| Olyphant Borough Lackawanna County | Leaf Waste Processing and Collection Programs | \$125,878 |
| Butler Township Luzerne County | Drop-off and Recycling Education Programs | \$10,807 |
| Dallas Area Municipal Authority Luzerne County | Leaf Waste Recycling Program | \$228,665 |
| Exeter Borough Luzerne County | Leaf Waste Recycling Program | \$247,336 |
| Freeland Borough Luzerne County | Curbside and Recycling Education Programs | \$45,447 |
| Hughestown Borough Luzerne County | Curbside Recycling Program | \$2,592 |
| Newport Township Luzerne County | Curbside Recycling Program | \$78,187 |
| Plains Township Luzerne County | Curbside Recycling and Education Program | \$198,093 |
| West Wyoming Borough Luzerne County | Leaf Waste and Curbside Programs | \$202,545 |
| Chestnuthill Township Monroe County | Recycling Processing Center | \$81,357 |

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| <i>Applicant</i> | <i>Project</i> | <i>Awarded</i> |
|--|--|----------------|
| Oak Grove Multi-Municipal CFC Monroe County | Compost Recycling Program | \$127,045 |
| Easton City Northampton County | Leaf Waste and Curbside Recycling Programs | \$104,940 |
| Lehman Township Pike County | Leaf Waste Collection and Processing Program | \$224,158 |
| St. Clair Borough Schuylkill County | Curbside Recycling Program | \$186,955 |
| Wayne County Wayne County | Recycling Processing Facility | \$199,985 |
| Southcentral Region | | |
| Adams County Adams County | Drop-off and Curbside Collection Programs | \$173,776 |
| Berks County SWA Berks County | Recycling Center | \$109,849 |
| Bern Township Berks County | Leaf Waste and Curbside Recycling Programs | \$64,171 |
| Cumru Township Berks County | Leaf Waste Collection and Processing Programs | \$247,565 |
| Exeter Township Berks County | Leaf Waste and Curbside Recycling Programs | \$99,004 |
| Kutztown Borough Berks County | Recycling Center and Leaf Waste Collection | \$250,000 |
| Maidencreek Township Berks County | Curbside and Educational Recycling Programs | \$89,887 |
| Mount Penn Borough Berks County | Curbside and Leaf Waste Recycling Programs | \$69,983 |
| Topton Borough Berks County | Curbside and Leaf Waste Recycling Programs | \$101,281 |
| Wernersville Borough Berks County | Leaf Waste Program | \$121,852 |
| Wyomissing Borough Berks County | Curbside and Leaf Waste Recycling Programs | \$98,987 |
| Martinsburg Borough Blair County | Drop-off Recycling Program | \$18,108 |
| Cumberland County Cumberland County | Leaf Waste Processing Program | \$250,000 |
| Harrisburg City Dauphin County | Leaf Waste Recycling Program | \$250,000 |
| Susquehanna Township Dauphin County | Leaf Waste and Educational Programs | \$61,703 |
| Swatara Township Dauphin County | Leaf Waste Recycling Program | \$205,500 |
| Huntingdon County Huntingdon County | Drop-off Recycling Program | \$11,828 |
| Salisbury Township Lancaster County | Leaf Waste Recycling Program | \$250,000 |
| Greater Lebanon Refuse Auth. Lebanon County | Drop-off and Curbside Recycling Programs | \$161,575 |
| North Londonderry Township Lebanon County | Leaf Waste Recycling Program | \$164,977 |
| Carroll Township York County | Leaf Waste Site and Equipment and Education | \$148,749 |
| Conewago Township York County | Project Development and Recycling Education | \$5,858 |

| <i>Applicant</i> | <i>Project</i> | <i>Awarded</i> |
|---|---|----------------|
| Dallastown Borough York County | Leaf Waste and Educational Programs | \$78,872 |
| Jackson Township York County | Project Development and Leaf Waste Program | \$86,523 |
| Spring Garden Township York County | Leaf Waste and Educational Programs | \$79,234 |
| Northcentral Region | | |
| Sayre Borough Bradford County | Curbside and Leaf Waste Recycling Programs | \$249,995 |
| Centre Hall Borough Centre County | Leaf Waste Collection Program | \$162,792 |
| Centre County R&RA Centre County | Curbside and Drop-off Recycling Programs | \$249,020 |
| Ferguson Township Centre County | Leaf Waste Collection Program | \$206,103 |
| Patton Township Centre County | Leaf Waste Processing Program | \$67,834 |
| State College Borough Centre County | Leaf and Food Waste Collection Program | \$250,000 |
| Clinton County SWA Clinton County | Curbside and Leaf Waste Recycling Programs | \$249,999 |
| Town of Bloomsburg Columbia County | Recycling Facility | \$248,175 |
| Lycoming County Lycoming County | Drop-off Collection Recycling Program | \$249,653 |
| Coal Township Northumberland County | Leaf Waste Processing Facility | \$162,389 |
| Snyder County SWMA Snyder County | Drop-off Recycling Program | \$80,290 |
| East Buffalo Township Union County | Curbside, Drop-off and Leaf Waste Programs | \$211,065 |
| Southwest Region | | |
| Franklin Park Borough Allegheny County | Leaf Waste Recycling Program | \$49,108 |
| Harrison Township Allegheny County | Curbside and Leaf Waste Recycling Programs | \$27,262 |
| Oakmont Borough Allegheny County | Curbside Recycling Program | \$143,469 |
| Pittsburgh City Allegheny County | Curbside Recycling Collection Program | \$250,000 |
| Armstrong County Armstrong County | Recycling Processing Facility | \$66,844 |
| Kittanning Borough Armstrong County | Leaf Waste Recycling Program | \$73,426 |
| Beaver County Beaver County | Curbside Recycling Collection Program | \$217,932 |
| Vanport Township Beaver County | Leaf Waste Recycling Program | \$28,071 |
| Connellsville City Fayette County | Leaf Waste Recycling Program | \$97,552 |
| Fayette County Fayette County | Recycling Facility and Curbside Collection | \$171,366 |
| North Union Township Fayette County | Curbside Recycling and Leaf Waste Program | \$130,877 |
| Uniontown City Fayette County | Leaf Waste Processing and Educational Program | \$233,244 |

NOTICES

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| <i>Applicant</i> | <i>Project</i> | <i>Awarded</i> |
|--|---|----------------|
| Washington Township Fayette County | Leaf Waste Recycling Program | \$84,321 |
| Indiana County SWA Indiana County | Leaf Waste Recycling Program | \$132,973 |
| Carroll Township Washington County | Leaf Waste Recycling Program | \$153,607 |
| Peters Township Washington County | Curbside Collection and Recycling Processing | \$250,000 |
| Arnold City Westmoreland County | Curbside Recycling and Education Program | \$171,783 |
| Northwest Region | | |
| Evans City Borough Butler County | Curbside Recycling Program | \$38,750 |
| Mercer Township Butler County | Curbside Recycling Program | \$22,500 |
| Slippery Rock Township Butler County | Curbside Recycling Program | \$40,000 |
| Horton Township Elk County | Drop-off Recycling Program | \$5,148 |
| Ridgway Borough Elk County | Curbside Recycling Program | \$4,500 |
| Erie City Erie County | Leaf Waste Recycling Program | \$250,000 |
| Millcreek Township Erie County | Leaf Waste and Recycling Education Programs | \$155,000 |
| Jefferson County SWA Jefferson County | Drop-off and Recycling Education Program | \$89,100 |
| New Castle City Lawrence County | Curbside Recycling Collecting Program | \$172,960 |

E. CHRISTOPHER ABRUZZO,
Secretary

[Pa.B. Doc. No. 14-1045. Filed for public inspection May 16, 2014, 9:00 a.m.]

Storage Tank Advisory Committee Meeting Cancellation

The June 3, 2014, Storage Tank Advisory Committee (Committee) meeting is cancelled. The next meeting is scheduled for September 9, 2014, at 10 a.m. in Room 105, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17105.

Questions concerning the next scheduled meeting of the Committee can be directed to Charles M. Swokel at (717) 772-5806 or cswokel@pa.gov. The agenda and meeting materials for the September 9, 2014, meeting will be available through the Public Participation Center on the Department of Environmental Protection's (Department) web site at <http://www.dep.state.pa.us> (click on "DEP Programs A-Z" and then "Advisory Committees").

Persons in need of accommodations as provided for in the Americans with Disabilities Act of 1990 should contact the Department at (717) 772-5551 or through the Pennsylvania AT&T Relay Service at (800) 654-5984 (TDD) to discuss how the Department may accommodate their needs.

E. CHRISTOPHER ABRUZZO,
Secretary

[Pa.B. Doc. No. 14-1046. Filed for public inspection May 16, 2014, 9:00 a.m.]

**DEPARTMENT OF
GENERAL SERVICES**

**Lease Office Space to the Commonwealth
Adams County**

Proposals are invited to provide the Department of General Services with 12,570 usable square feet of office space for the Pennsylvania State Police in Adams County. For more information on SFP No. 94603, which is due on Thursday, June 26, 2014, visit www.dgs.state.pa.us or contact Tereasa Forbes at (717) 783-0829 or tforbes@pa.gov.

SHERI PHILLIPS,
Secretary

[Pa.B. Doc. No. 14-1047. Filed for public inspection May 16, 2014, 9:00 a.m.]

**Lease Office Space to the Commonwealth
Allegheny County**

Proposals are invited to provide the Department of General Services with 2,631 usable square feet of office

space for the Public School Employees' Retirement System in Allegheny County. For more information on SFP No. 94593, which is due on Monday, June 30, 2014, visit www.dgs.state.pa.us or contact Scott Shelton at (717) 787-5546 or scshelton@pa.gov.

SHERI PHILLIPS,
Secretary

[Pa.B. Doc. No. 14-1048. Filed for public inspection May 16, 2014, 9:00 a.m.]

Lease Retail Space to the Commonwealth Cambria County

Proposals are invited to provide the Department of General Services with 4,000 to 5,000 usable square feet of retail space for the Liquor Control Board in Johnstown, Cambria County within a 2-mile radius of Minno Drive and Cinema Drive. For more information on SFP No. 94604, which is due on July 25, 2014, visit www.dgs.state.pa.us or contact the Bureau of Real Estate at (717) 787-4394.

SHERI PHILLIPS,
Secretary

[Pa.B. Doc. No. 14-1049. Filed for public inspection May 16, 2014, 9:00 a.m.]

Lease Retail Space to the Commonwealth Cumberland County

Proposals are invited to provide the Department of General Services with 10,000 to 12,000 usable square feet of retail space for the Liquor Control Board in Cumberland County. For more information on SFP No. 94606, which is due on Friday, July 25, 2014, visit www.dgs.state.pa.us or contact the Bureau of Real Estate at (717) 787-4394.

SHERI PHILLIPS,
Secretary

[Pa.B. Doc. No. 14-1050. Filed for public inspection May 16, 2014, 9:00 a.m.]

DEPARTMENT OF HEALTH

Application of Pocono Medical Center for Exception

Under 28 Pa. Code § 51.33 (relating to requests for exceptions), the Department of Health (Department) gives notice that Pocono Medical Center has requested an exception to the requirements of 28 Pa. Code § 139.12(c) (relating to neonatal care units) and 28 Pa. Code § 153.1 (relating to minimum standards), which requires compliance with minimum standards contained in the following publication: *Guidelines for Design and Construction of Health Care Facilities 2010*. The facility specifically requests exemption from the following standards contained in this publication: 2.2-2.12.6.6 (relating to infant exam and treatment rooms).

This request is on file with the Department. Persons may receive a copy of a request for exception by requesting a copy from the Department of Health, Division of Acute and Ambulatory Care, Room 532, Health and Welfare Building, Harrisburg, PA 17120, (717) 783-8980, fax (717) 772-2163, ra-paexcept@pa.gov.

Persons who wish to comment on an exception request may do so by sending a letter by mail, e-mail or facsimile to the Division at the address listed previously.

Comments received by the Department within 10 days after the date of publication of this notice will be reviewed by the Department before it decides whether to approve or disapprove the request for exception.

Persons with a disability who wish to obtain a copy of a request and/or provide comments to the Department and require an auxiliary aid, service or other accommodation to do so should contact the Division at the previously listed address or phone number, or for speech and/or hearing impaired persons V/TT (717) 783-6154, or the Pennsylvania AT&T Relay Service (800) 654-5984.

MICHAEL WOLF,
Secretary

[Pa.B. Doc. No. 14-1051. Filed for public inspection May 16, 2014, 9:00 a.m.]

Long-Term Care Nursing Facilities; Request for Exception

The following long-term care nursing facilities are seeking exceptions to 28 Pa. Code § 211.9(g) (relating to pharmacy services):

Kutztown Manor, Inc.
120 Trexler Avenue
Kutztown, PA 19530
FAC ID # 111702

ManorCare Health Services—Sinking Spring
3000 Windmill Road
Sinking Spring, PA 19608
FAC ID # 380702

Susquehanna Health Skilled Nursing & Rehabilitation Center
215 East Water Street
Muncy, PA 17756
FAC ID # 134302

Susque-View Home, Inc.
22 Cree Drive
Lock Haven, PA 17745
FAC ID # 710802

Willowbrooke Court at Fort Washington Estates
735 Susquehanna Road
Fort Washington, PA 19034
FAC ID # 150102

The following long-term care nursing facility is seeking an exception to 28 Pa. Code § 205.36(h) (relating to bathing facilities):

Conner-Williams Nursing Home
105 Morton Avenue
Ridley Park, PA 19078
FAC ID # 033802

The following long-term care nursing facility is seeking an exception to 28 Pa. Code § 201.22(e) and (j) (relating to prevention, control and surveillance of tuberculosis (TB)):

Regina Community Nursing Center
550 East Fornance Street
Norristown, PA 19401
FAC ID # 182002

These requests are on file with the Department of Health (Department). Persons may receive a copy of a request for exception by requesting a copy from the Department of Health, Division of Nursing Care Facilities, Room 526, Health and Welfare Building, Harrisburg, PA 17120, (717) 787-1816, fax (717) 772-2163, ra-paexcept@pa.gov.

Persons who wish to comment on an exception request may do so by sending a letter by mail, e-mail or facsimile to the Division at the address listed previously.

Comments received by the Department within 10 days after the date of publication of this notice will be reviewed by the Department before it decides whether to approve or disapprove the request for exception.

Persons with a disability who wish to obtain a copy of the request and/or provide comments to the Department and require an auxiliary aid, service or other accommodation to do so should contact the Division at the address or phone number listed previously, or for speech and/or hearing impaired persons V/TT (717) 783-6514, or the Pennsylvania AT&T Relay Service (800) 654-5984 (TT).

MICHAEL WOLF,
Secretary

[Pa.B. Doc. No. 14-1052. Filed for public inspection May 16, 2014, 9:00 a.m.]

DEPARTMENT OF LABOR AND INDUSTRY

Addition to the Office of Vocational Rehabilitation State Plan

A webinar will be presented by the Office of Vocational Rehabilitation (OVR) regarding its plan to enter into an Interagency Agreement with the Berks Career and Technology Center (CTC) to support a new transition model. Input is important to the OVR as it attempts to engage in innovative partnerships to increase and improve services to its customers with disabilities.

During the webinar, the OVR will present an overview of the proposed Interagency Agreement, which will be implemented as a pilot for potential future replication, as well as the OVR's Federal requirements to request a "Waiver of Statewideness" in its upcoming State Plan.

In addition, the OVR will discuss an addition to the Innovation and Expansion section of Attachment 4.11(d) of the State Plan.

Title: Interagency Agreement between OVR and Berks CTC

Date: Thursday, May 22, 2014

Time: 10—11 a.m.

Bridge Number: (717) 612-4733

Toll-free: (855) 750-1027

PIN: 434352

URL: https://openscapewebconf1.pa.gov/client/fastclient_i_r479160EC.exe

Web Client: <https://openscapewebconfw1.pa.gov/joinclient.aspx?inv=r479160EC>

JULIA K. HEARTHWAY,
Secretary

[Pa.B. Doc. No. 14-1053. Filed for public inspection May 16, 2014, 9:00 a.m.]

DEPARTMENT OF PUBLIC WELFARE

Inpatient Hospital Services

The Department of Public Welfare (Department) is providing final notice of its continuation of its Medical Assistance (MA) payment methodology for inpatient hospital services provided on a fee-for-service (FFS) basis in acute care general hospitals, which was originally adopted with an effective date of July 1, 2010.

Background

Effective July 1, 2010, the Department revised its FFS payment methodology for inpatient hospital services provided in an acute care general hospital for the MA Program. This methodology included adoption of the All Patient Refined-Diagnosis Related Groups (APR-DRG) patient classification system, implementation of APR-DRG relative weights based on relative weights developed by the New York Medicaid program, adoption of a new methodology for calculating acute care hospitals' base payment rates, revision of the Department's outlier payment policy and adoption of a case-mix monitoring process. The Department implemented a second change to its outlier policy by adoption of a low cost outlier policy effective July 1, 2011.

The revised payment methodology was implemented for an initial 3-year period, but was reauthorized under the act of July 9, 2013 (P.L. 369, No. 55), effective for an additional 3-year period ending June 30, 2016.

Changes

The Department proposed no substantive changes to the payment methodology for inpatient acute care services under the FFS program and is continuing the existing methodology. For acute care general hospitals, the Department is continuing to use the same patient classification system, base payment rates, outlier policies and relative weight and case mix monitoring process currently in place. The Department modified its State Plan to remove the June 30, 2013, end date for the payment methodology for inpatient acute care services, to add case-mix index target ranges for subsequent fiscal years and to clarify the language in the State Plan describing the case mix monitoring process.

The Department published notice of its intent to continue its MA payment methodology for inpatient hospital services at 43 Pa.B. 3582 (June 29, 2013). The Department received no comments concerning the continuation of the current FFS methodology for acute care general hospitals.

The Department also announced its intent to establish an observation rate for hospital cases for which an inpatient admission is not medically necessary, but med-

ical observation of a patient is required. The Department received multiple public comments concerning an intended observation rate. At this time, the Department plans to develop a payment policy and rates for observation services and will provide an opportunity for public comment in a future notice of intent. The Department is implementing all other changes as described in its notice of intent.

Fiscal Impact

This change results in an annual payment of \$161.567 million in total funds (\$74.789 million in State funds) in Fiscal Year 2013-2014.

BEVERLY D. MACKERETH,
Secretary

Fiscal Note: 14-NOT-864. (1) General Fund; (2) Implementing Year 2013-14 is \$74,789,000; (3) 1st Succeeding Year 2014-15 is \$77,156,000; 2nd Succeeding Year 2015-16 is \$77,156,000; 3rd Succeeding Year 2016-17 is \$0; 4th Succeeding Year 2017-18 is \$0; 5th Succeeding Year 2018-19 is \$0; (4) 2012-13 Program—\$268,112,000; 2011-12 Program—\$325,685,000; 2010-11 Program—\$243,809,000; (7) MA—Inpatient; (8) recommends adoption. Funds have been included in the budget to cover this increase.

[Pa.B. Doc. No. 14-1054. Filed for public inspection May 16, 2014, 9:00 a.m.]

Medical Assistance Reliant Hospital Supplemental Payment

The Department of Public Welfare (Department) is providing final notice of its implementation of supplemental payments to certain acute care general hospitals that provide a large portion of their inpatient services to Pennsylvania (PA) Medical Assistance (MA) consumers. These hospitals provide critical services to the MA population as well as to uninsured individuals and they rely almost entirely on MA revenue for their ongoing operations.

Background

Hospitals with a patient population consisting mainly of MA consumers provide access to hospital services that otherwise may not be available to these individuals. To promote the continued participation in the MA Program and the provision of needed services to the MA population by these hospitals, the Department is making supplemental payments to these facilities.

To qualify for the supplemental payments, a hospital enrolled in the PA MA Program as an acute care general hospital must provide at least 80% of its inpatient days of care to PA MA (managed care and fee-for-service) consumers as evidenced by the hospitals' Fiscal Year (FY) 2009-2010 MA cost report (MA 336).

Payments are divided proportionately among qualifying hospitals based on the percentage of each qualifying hospital's PA MA inpatient days to the total PA MA inpatient days for all qualifying hospitals. All payment limitations are still applicable, including that payments to a qualifying hospital may not exceed its hospital specific limit as defined by section 1923 of the Social Security Act (42 U.S.C.A. § 1396r-4).

The Department published notice of its intent to establish this supplemental payment at 43 Pa.B. 5538 (Sep-

tember 14, 2013). The Department received no public comments during the 30-day comment period and will implement the changes as described in its notice of intent.

Fiscal Impact

The FY 2013-2014 impact, as a result of the funding allocation for these payments is \$0.300 million (\$0.139 million in State general funds and \$0.161 million in Federal funds upon approval by the Centers for Medicare and Medicaid Services).

BEVERLY D. MACKERETH,
Secretary

Fiscal Note: 14-NOT-872. (1) General Fund; (2) Implementing Year 2013-14 is \$139,000; (3) 1st Succeeding Year 2014-15 is \$0; 2nd Succeeding Year 2015-16 is \$0; 3rd Succeeding Year 2016-17 is \$0; 4th Succeeding Year 2017-18 is \$0; 5th Succeeding Year 2018-19 is \$0; (4) 2012-13 Program—\$268,112,000; 2011-12 Program—\$325,685,000; 2010-11 Program—\$243,809,000; (7) MA—Inpatient; (8) recommends adoption. Funds have been included in the budget to cover this increase.

[Pa.B. Doc. No. 14-1055. Filed for public inspection May 16, 2014, 9:00 a.m.]

Submission of Amendments to the Office of Long-Term Living Aging Waiver, the Attendant Care Waiver and the Independence Waiver

This notice announces the Department of Public Welfare's (Department) intent to amend the Aging Waiver, the Attendant Care Waiver and the Independence Waiver to increase the number of unduplicated recipients served during the 2013-2014 State Fiscal Year (FY).

Background

To receive Federal matching funds for home and community-based waiver services, the Department must receive approval from the Centers for Medicare and Medicaid Services (CMS) for the number of unduplicated recipients to be served during each year of the approved waiver. The number of unduplicated recipients is estimated for each year of the waiver and with Federal approval can be adjusted as actual experience within the waiver is monitored.

Based on current fiscal year experience, the Department has determined the need to increase the maximum number of unduplicated recipients it intends to serve in the waivers as follows. The Department intends to submit amendments to CMS to increase the maximum number of unduplicated recipients as follows:

- Aging Waiver—increase the number of unduplicated recipients from 28,500 to 29,000.
- Attendant Care Waiver—increase the number of unduplicated recipients from 10,250 to 10,700.
- Independence Waiver—increase the number of unduplicated recipients from 8,600 to 10,500.

Fiscal Impact

For FY 2014-2015, the fiscal impact of these waiver amendments is \$83.440 million (\$38.624 million in State funds).

Public Comment

Interested persons are invited to submit written comments regarding this notice to the Department of Public

Welfare, Office of Long-Term Living, Bureau of Policy and Regulatory Management, Attention: John Esposito, P. O. Box 8025, Harrisburg, PA 17105-8025. Comments can also be sent to RA-waiverstandard@pa.gov. Comments received within 30 days will be reviewed and considered for revisions to the amendments to the waivers.

Persons with a disability who require an auxiliary aid or service may submit comments using Pennsylvania AT&T Relay Service at (800) 654-5984 (TDD users) or (800) 654-5988 (voice users).

BEVERLY D. MACKERETH,
Secretary

Fiscal Note: 14-NOT-873. (1) General Fund;

(7) Home and Community-Based Services; (2) Implementing Year 2014-15 is \$4,014,000; (3) 1st Succeeding Year 2015-16 through 5th Succeeding Year 2019-20 are \$4,014,000; (4) 2013-14 Program—\$143,812,000; 2012-13 Program—\$113,040,000; 2011-12 Program—\$221,147,000;

(7) Attendant Care; (2) Implementing Year 2014-15 is \$4,209,000; (3) 1st Succeeding Year 2015-16 through 5th Succeeding Year 2019-20 are \$4,209,000; (4) 2013-14 Program—\$184,500,000; 2012-13 Program—\$107,830,000; 2011-12 Program—\$195,135,000;

(7) Services to Persons with Disabilities; (2) Implementing Year 2014-15 is \$30,401,000; (3) 1st Succeeding Year 2015-16 through 5th Succeeding Year 2019-20 are \$30,401,000; (4) 2013-14 Program—\$175,162,000; 2012-13 Program—\$102,704,000; 2011-12 Program—\$163,987,000;

(8) recommends adoption. Funds have been included in the budget to cover this increase.

[Pa.B. Doc. No. 14-1056. Filed for public inspection May 16, 2014, 9:00 a.m.]

DEPARTMENT OF REVENUE

Pennsylvania \$500 Frenzy '14 Instant Lottery Game

Under the State Lottery Law (72 P. S. §§ 3761-101—3761-314) and 61 Pa. Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. *Name:* The name of the game is Pennsylvania \$500 Frenzy '14.

2. *Price:* The price of a Pennsylvania \$500 Frenzy '14 instant lottery game ticket is \$5.

3. *Play Symbols:* Each Pennsylvania \$500 Frenzy '14 instant lottery game ticket will contain one play area featuring a "WINNING NUMBERS" area and a "YOUR NUMBERS" area. The play symbols and their captions located in the "WINNING NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWY TWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN) and 30 (THIRTY). The play symbols and their captions located in the "YOUR NUMBERS" area are: 1 (ONE), 2 (TWO), 3

(THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWY TWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN), 30 (THIRTY), \$500 Burst (WIN500) symbol and a FRENZY (FRENZY) symbol.

4. *Prize Symbols:* The prize symbols and their captions located in the "YOUR NUMBERS" area are: \$5⁰⁰ (FIV DOL), \$10⁰⁰ (TEN DOL), \$15⁰⁰ (FIFTN), \$20⁰⁰ (TWENTY), \$40⁰⁰ (FORTY), \$50⁰⁰ (FIFTY), \$100 (ONE HUN), \$500 (FIV HUN), \$5,000 (FIV THO) and \$100,000 (ONEHUNTHO).

5. *Prizes:* The prizes that can be won in this game are: \$5, \$10, \$15, \$20, \$40, \$50, \$100, \$500, \$5,000 and \$100,000. A player can win up to 12 times on a ticket.

6. *Approximate Number of Tickets Printed For the Game:* Approximately 9,600,000 tickets will be printed for the Pennsylvania \$500 Frenzy '14 instant lottery game.

7. *Determination of Prize Winners:*

(a) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of \$100,000 (ONEHUNTHO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$100,000.

(b) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of \$5,000 (FIV THO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$5,000.

(c) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of \$500 (FIV HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$500.

(d) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$500 (FIV HUN) appears in the "prize" area under the FRENZY (FRENZY) symbol, on a single ticket, shall be entitled to a prize of \$500.

(e) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a \$500 Burst (WIN500) symbol, on a single ticket, shall be entitled to a prize of \$500.

(f) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of \$100 (ONE HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$100.

(g) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$100 (ONE HUN) appears in the "prize" area under the FRENZY (FRENZY) symbol, on a single ticket, shall be entitled to a prize of \$100.

(h) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol

of \$50⁰⁰ (FIFTY) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$50.

(i) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$50⁰⁰ (FIFTY) appears in the “prize” area under the FRENZY (FRENZY) symbol, on a single ticket, shall be entitled to a prize of \$50.

(j) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$40⁰⁰ (FORTY) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$40.

(k) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$40⁰⁰ (FORTY) appears in the “prize” area under the FRENZY (FRENZY) symbol, on a single ticket, shall be entitled to a prize of \$40.

(l) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$20⁰⁰ (TWENTY) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$20.

(m) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$20⁰⁰ (TWENTY) appears in the “prize” area under the FRENZY (FRENZY) symbol, on a single ticket, shall be entitled to a prize of \$20.

(n) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$15⁰⁰ (FIFTN) appears in the “prize” area under the

matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$15.

(o) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$15⁰⁰ (FIFTN) appears in the “prize” area under the FRENZY (FRENZY) symbol, on a single ticket, shall be entitled to a prize of \$15.

(p) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$10⁰⁰ (TEN DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$10.

(q) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$10⁰⁰ (TEN DOL) appears in the “prize” area under the FRENZY (FRENZY) symbol, on a single ticket, shall be entitled to a prize of \$10.

(r) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$5⁰⁰ (FIV DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$5.

(s) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$5⁰⁰ (FIV DOL) appears in the “prize” area under the FRENZY (FRENZY) symbol, on a single ticket, shall be entitled to a prize of \$5.

8. *Number and Description of Prizes and Approximate Odds:* The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

When Any Of Your Numbers Match Any Winning Number, Win Prize Shown Under The Matching Number. Win With:

| <i>Win:</i> | <i>Approximate Odds Are 1 In:</i> | <i>Approximate No. Of Winners Per 9,600,000 Tickets:</i> |
|------------------------|-----------------------------------|--|
| \$5 w/ FRENZY | 15 | 640,000 |
| \$5 | 20 | 480,000 |
| \$10 w/ FRENZY | 30 | 320,000 |
| \$10 | 60 | 160,000 |
| \$5 × 3 | 200 | 48,000 |
| \$15 w/ FRENZY | 150 | 64,000 |
| \$15 | 200 | 48,000 |
| \$5 × 4 | 600 | 16,000 |
| (\$10 w/ FRENZY) × 2 | 300 | 32,000 |
| \$20 w/ FRENZY | 200 | 48,000 |
| \$20 | 600 | 16,000 |
| \$5 × 8 | 600 | 16,000 |
| (\$10 w/ FRENZY) × 4 | 600 | 16,000 |
| \$40 w/ FRENZY | 600 | 16,000 |
| \$40 | 600 | 16,000 |
| \$10 × 5 | 600 | 16,000 |
| (\$20 × 2) + \$10 | 600 | 16,000 |
| \$50 w/ FRENZY | 600 | 16,000 |
| \$50 | 600 | 16,000 |
| \$10 × 10 | 6,000 | 1,600 |
| \$20 × 5 | 12,000 | 800 |
| (\$10 × 8) + (\$5 × 4) | 6,000 | 1,600 |
| (\$10 w/ FRENZY) × 10 | 6,000 | 1,600 |
| \$100 w/ FRENZY | 6,000 | 1,600 |

*When Any Of Your Numbers Match
Any Winning Number, Win Prize
Shown Under The Matching
Number. Win With:*

| <i>Win:</i> | <i>Approximate Odds Are 1 In:</i> | <i>Approximate No. Of Winners Per 9,600,000 Tickets:</i> |
|-----------------------------|---------------------------------------|--|
| \$100 | 12,000 | 800 |
| \$100 × 5 | 6,000 | 1,600 |
| (\$50 × 2) + (\$40 × 10) | 4,615 | 2,080 |
| \$500 w/ \$500 BURST | 705.88 | 13,600 |
| \$500 w/ FRENZY | 4,000 | 2,400 |
| \$500 | 3,000 | 3,200 |
| (\$500 w/ \$500 BURST) × 10 | 800,000 | 12 |
| \$5,000 | 800,000 | 12 |
| \$100,000 | \$100,000 | 960,000 |

Reveal a "FRENZY" (FRENZY) symbol, win prize shown under it automatically.

Reveal a "\$500 BURST" (WIN500) symbol, win \$500 instantly.

Prizes, including top prizes, are subject to availability at the time of purchase.

9. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings' Requirements:

(a) Non-winning PA-1086 \$1,000 Frenzy, PA-1087 \$500 Frenzy, PA-1088 \$100 Frenzy, and PA-1089 \$25 Frenzy instant lottery tickets ("Qualifying Tickets") are eligible for entry in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Entrants must be members of the Pennsylvania Lottery VIP Players Club to participate in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. To join the VIP Players Club, visit <http://www.palottery.state.pa.us/Vip-Players-Club/Login.aspx>. Becoming a VIP Players Club member is free.

(b) To enter the Pennsylvania Lottery's Summer Frenzy second-chance drawings, entrants must enter the identifying information from at least one Qualifying Ticket into the entry form accessible exclusively via the Pennsylvania Lottery's Summer Frenzy promotional website during the entry period for the drawings. Identifying information from a Qualifying Ticket may only be entered once in the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

(c) The number of entries an entrant will receive for the Pennsylvania Summer Frenzy second-chance drawings is determined by the purchase price of the Qualifying Ticket entered. The respective purchase prices and corresponding number of entries for Qualifying Tickets are as follows: PA-1086 \$1,000 Frenzy (\$10) = 10 entries; PA-1087 \$500 Frenzy (\$5) = 5 entries; PA-1088 \$100 Frenzy (\$2) = 2 entries; and PA-1089 \$25 Frenzy (\$1) = 1 entry.

(d) The entry form must be completed in its entirety and the information supplied by the entrant must be accurate. Incomplete entry forms cannot be submitted.

(e) Only one claimant per entry allowed.

(f) Entrants must be 18 years of age or older.

(g) Entry is limited to entrants that indicate, at the time of submitting an entry, that their entry is being submitted from an internet connected device located within Pennsylvania.

(h) Entries must be submitted via the Pennsylvania Lottery's Summer Frenzy promotional website available at <http://www.palottery.com>. Entries mailed or hand-delivered to the Pennsylvania Lottery are not valid and will be disqualified.

(i) Players may submit unlimited Qualifying Tickets in the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

10. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings and Prizes:

(a) The Lottery will conduct three second-chance drawings. Drawing entries are cumulative and are eligible for all Pennsylvania Lottery's Summer Frenzy second-chance drawings that occur after the entry is made. All time references in this section are Eastern Time.

(1) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. June 26, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #1, held between June 27, 2014 and July 2, 2014. The first through the fiftieth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #1 shall each be entitled to a prize of \$1,000. This prize shall be paid as a lump-sum cash payment.

(2) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. July 31, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #2, held between August 1, 2014 and August 6, 2014. The first through the fifteenth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #2 shall be entitled to a prize of \$5,000. This prize shall be paid as a lump-sum cash payment.

(3) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. August 28, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #3, held between August 29, 2014 and September 3, 2014. The first through the tenth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #3 shall each be entitled to a prize of \$10,000, less required federal income tax withholding. This prize shall be paid as a lump-sum cash payment.

(b) The winners of the Pennsylvania Lottery's Summer Frenzy drawings will be posted to the Summer Frenzy promotional website and palottery.com.

11. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings Restrictions:

(a) The odds of an entry being selected in a Pennsylvania Lottery's Summer Frenzy second-chance drawing depend upon the number of entries received for that drawing.

(b) To be eligible for a particular Pennsylvania Lottery's Summer Frenzy second-chance drawing, entrants must have complied with the requirements of these rules.

(c) The Lottery is not responsible for late, lost or misdirected entries not entered into the Pennsylvania Lottery's Summer Frenzy second-chance drawings. The Lottery is not responsible for entries that are not entered into the Pennsylvania Lottery's Summer Frenzy second-chance drawings because of incompatible internet browsers or other technical issues. If a Pennsylvania Lottery's Summer Frenzy second-chance drawings entry is selected as a winner and rejected during or following a Pennsylvania Lottery's Summer Frenzy second-chance drawing, the Lottery will select another entry to replace the rejected entry in accordance with these rules and Lottery procedure.

(d) A computer-generated randomizer will be used to select the winners.

(e) An entrant may only win the prize for which they are first selected in each of the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Subsequent entries, from the same entrant, selected in the same Pennsylvania Lottery's Summer Frenzy second-chance drawing will be disqualified for that drawing and a replacement entry will be selected.

(f) If any discrepancy exists between these rules and any material describing the Pennsylvania Lottery's Summer Frenzy second-chance drawings, these rules shall govern.

(g) Employees of the Pennsylvania Lottery, MARC Advertising, Scientific Games International Inc., MDI Entertainment, LLC, and their subcontractors, or a spouse, child, brother, sister or parent residing as a member of the same household in the principal place of residence of any such person are not eligible to participate in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Offer void where prohibited or restricted.

(h) The Pennsylvania Lottery reserves the right, in its sole discretion, to cancel or suspend one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings, and change these rules if one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings cannot be conducted as planned due to errors in these rules or advertising, unauthorized intervention, tampering, fraud, technical errors, viruses, worms, bugs, or any other cause beyond the control of the Pennsylvania Lottery that, in the Pennsylvania Lottery's sole judgment, could corrupt or impair the administration, security, fairness, integrity, or proper conduct of one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

(i) All entries shall be subject to verification by the Pennsylvania Lottery.

(j) The Pennsylvania Lottery reserves the right, in its sole discretion, to disqualify an entrant found to be tampering with the operation of the Pennsylvania Lottery's Summer Frenzy second-chance Promotion or associated drawings or to be acting in violation of these rules or applicable law.

(k) The Pennsylvania Lottery's Summer Frenzy second-chance drawings are governed by the laws of the Commonwealth of Pennsylvania. Applicable laws and regulations apply.

(l) Prizes must be claimed within one year of the drawing date of the drawing in which the prize was won. If no claim is made within one year of the date of the drawing in which the prize was won, the right of an entrant to claim the prize won, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided by statute.

(m) Final determination of winners will be made by the Secretary, whose judgment will be final and binding.

(n) The payment of a prize awarded in the Pennsylvania Lottery's Summer Frenzy second-chance drawings to a person who dies before receiving the prize shall be paid according to 61 Pa. Code § 811.16 (relating to prizes payable after death of a prize winner).

(o) A winner is responsible for all taxes arising from or in connection with any prize won.

12. *Retailer Incentive Awards:* The Lottery may conduct a separate Retailer Incentive Program for retailers who sell Pennsylvania \$500 Frenzy '14 instant lottery game tickets.

13. *Retailer Bonus:* The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$100,000 and not exceeding \$500,000 shall be paid a bonus of \$500. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$500,001 and not exceeding \$1,000,000 shall be paid a bonus of \$5,000. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$1,000,001 and not exceeding \$10,000,000 shall be paid a bonus of \$10,000. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a non-winning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.

14. *Unclaimed Prize Money:* For a period of 1 year from the announced close of Pennsylvania \$500 Frenzy '14, prize money from winning Pennsylvania \$500 Frenzy '14 instant lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the Pennsylvania \$500 Frenzy '14 instant lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.

15. *Governing Law:* In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P. S. §§ 3761-101—3761-314), 61 Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.

16. *Termination of the Game:* The Secretary may announce a termination date, after which no further tickets from this game may be sold. The announcement will be disseminated through media used to advertise or promote

Pennsylvania \$500 Frenzy '14 or through normal communications methods.

DANIEL MEUSER,
Secretary

[Pa.B. Doc. No. 14-1057. Filed for public inspection May 16, 2014, 9:00 a.m.]

Pennsylvania \$100 Frenzy Instant Lottery Game

Under the State Lottery Law (72 P.S. §§ 3761-101—3761-314) and 61 Pa. Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. *Name:* The name of the game is Pennsylvania \$100 Frenzy.

2. *Price:* The price of a Pennsylvania \$100 Frenzy instant lottery game ticket is \$2.

3. *Play Symbols:* Each Pennsylvania \$100 Frenzy instant lottery game ticket will contain one play area featuring a "WINNING NUMBERS" area and a "YOUR NUMBERS" area. The play symbols and their captions located in the "WINNING NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN) and 20 (TWENT). The play symbols and their captions located in the "YOUR NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT) and a \$100 Burst (WIN100) symbol.

4. *Prize Symbols:* The prize symbols and their captions located in the "prize" areas are: \$1.⁰⁰ (ONE DOL), FREE (TICKET), \$2.⁰⁰ (TWO DOL), \$4.⁰⁰ (FOR DOL), \$5.⁰⁰ (FIV DOL), \$10.⁰⁰ (TEN DOL), \$15.⁰⁰ (FIFTN), \$20.⁰⁰ (TWENTY), \$100 (ONE HUN), \$400 (FOR HUN), \$1,000 (ONE THO) and \$10,000 (TEN THO).

5. *Prizes:* The prizes that can be won in this game are: \$1, Free \$2 ticket, \$2, \$4, \$5, \$10, \$15, \$20, \$100, \$400, \$1,000 and \$10,000. The player can win up to 8 times on a ticket.

6. *Approximate Number of Tickets Printed For the Game:* Approximately 10,800,000 tickets will be printed for the Pennsylvania \$100 Frenzy instant lottery game.

7. Determination of Prize Winners:

(a) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$10,000 (TEN THO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$10,000.

(b) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$1,000 (ONE THO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$1,000.

(c) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$400 (FOR HUN) appears in the "prize" area under the

matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$400.

(d) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$100 (ONE HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$100.

(e) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a \$100 Burst (WIN100) symbol, on a single ticket, shall be entitled to a prize of \$100.

(f) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$20.⁰⁰ (TWENTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$20.

(g) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$15.⁰⁰ (FIFTN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$15.

(h) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$10.⁰⁰ (TEN DOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$10.

(i) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$5.⁰⁰ (FIV DOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$5.

(j) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$4.⁰⁰ (FOR DOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$4.

(k) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$2.⁰⁰ (TWO DOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$2.

(l) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of FREE (TICKET) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of one Pennsylvania \$100 Frenzy instant game ticket or one Pennsylvania Lottery instant game ticket of equivalent sale price which is currently on sale.

(m) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either of the "WINNING NUMBERS" play symbols and a prize symbol of \$1.⁰⁰ (ONE DOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of \$1.

8. *Number and Description of Prizes and Approximate Odds:* The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

When Any Of Your Numbers Match
Either Winning Number, Win Prize
Shown Under The Matching
Number. Win With:

| | Win: | Approximate Odds Are 1 In: | Approximate No. Of Winners Per 10,800,000 Tickets |
|---------------------------------------|-----------------|-------------------------------|---|
| FREE | FREE \$2 TICKET | 8.33 | 1,296,000 |
| \$1 × 4 | \$4 | 50 | 216,000 |
| \$2 × 2 | \$4 | 50 | 216,000 |
| \$4 | \$4 | 50 | 216,000 |
| \$1 × 5 | \$5 | 300 | 36,000 |
| \$5 | \$5 | 300 | 36,000 |
| \$2 × 5 | \$10 | 375 | 28,800 |
| \$5 × 2 | \$10 | 1,500 | 7,200 |
| (\$4 × 2) + \$2 | \$10 | 750 | 14,400 |
| \$10 | \$10 | 500 | 21,600 |
| \$5 × 3 | \$15 | 1,500 | 7,200 |
| \$15 | \$15 | 1,500 | 7,200 |
| \$4 × 5 | \$20 | 1,200 | 9,000 |
| \$5 × 4 | \$20 | 1,200 | 9,000 |
| \$10 × 2 | \$20 | 1,200 | 9,000 |
| (\$4 × 2) + (\$2 × 6) | \$20 | 1,200 | 9,000 |
| \$20 | \$20 | 1,200 | 9,000 |
| \$20 × 5 | \$100 | 1,200 | 9,000 |
| (\$20 × 2) + (\$10 × 6) | \$100 | 1,200 | 9,000 |
| \$100 w/ \$100 BURST | \$100 | 240 | 45,000 |
| \$100 | \$100 | 1,200 | 9,000 |
| (\$100 w/ \$100 BURST) × 4 | \$400 | 40,000 | 270 |
| \$400 | \$400 | 120,000 | 90 |
| (((\$100 w/ \$100 BURST) × 6) + \$400 | \$1,000 | 120,000 | 90 |
| \$1,000 | \$1,000 | 120,000 | 90 |
| \$10,000 | \$10,000 | 720,000 | 15 |

Reveal a "\$100 BURST" (WIN100) symbol, win \$100 instantly.

Prizes, including top prizes, are subject to availability at the time of purchase.

9. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings' Requirements:

(a) Non-winning PA-1086 \$1,000 Frenzy, PA-1087 \$500 Frenzy, PA-1088 \$100 Frenzy, and PA-1089 \$25 Frenzy instant lottery tickets ("Qualifying Tickets") are eligible for entry in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Entrants must be members of the Pennsylvania Lottery VIP Players Club to participate in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. To join the VIP Players Club, visit <http://www.palottery.state.pa.us/Vip-Players-Club/Login.aspx>. Becoming a VIP Players Club member is free.

(b) To enter the Pennsylvania Lottery's Summer Frenzy second-chance drawings, entrants must enter the identifying information from at least one Qualifying Ticket into the entry form accessible exclusively via the Pennsylvania Lottery's Summer Frenzy promotional website during the entry period for the drawings. Identifying information from a Qualifying Ticket may only be entered once in the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

(c) The number of entries an entrant will receive for the Pennsylvania Summer Frenzy second-chance drawings is determined by the purchase price of the Qualifying Ticket entered. The respective purchase prices and corresponding number of entries for Qualifying Tickets are as follows: PA-1086 \$1,000 Frenzy (\$10) = 10 entries; PA-1087 \$500 Frenzy (\$5) = 5 entries; PA-1088 \$100 Frenzy (\$2) = 2 entries; and PA-1089 \$25 Frenzy (\$1) = 1 entry.

(d) The entry form must be completed in its entirety and the information supplied by the entrant must be accurate. Incomplete entry forms cannot be submitted.

(e) Only one claimant per entry allowed.

(f) Entrants must be 18 years of age or older.

(g) Entry is limited to entrants that indicate, at the time of submitting an entry, that their entry is being submitted from an internet connected device located within Pennsylvania.

(h) Entries must be submitted via the Pennsylvania Lottery's Summer Frenzy promotional website available at <http://www.palottery.com>. Entries mailed or hand-delivered to the Pennsylvania Lottery are not valid and will be disqualified.

(i) Players may submit unlimited Qualifying Tickets in the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

10. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings and Prizes:

(a) The Lottery will conduct three second-chance drawings. Drawing entries are cumulative and are eligible for all Pennsylvania Lottery's Summer Frenzy second-chance drawings that occur after the entry is made. All time references in this section are Eastern Time.

(1) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. June 26, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #1, held between June 27, 2014 and July 2, 2014. The first through the fiftieth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #1 shall each be entitled to a prize of \$1,000. This prize shall be paid as a lump-sum cash payment.

(2) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May

18, 2014, through 11:59:59 p.m. July 31, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #2, held between August 1, 2014 and August 6, 2014. The first through the fifteenth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #2 shall be entitled to a prize of \$5,000. This prize shall be paid as a lump-sum cash payment.

(3) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. August 28, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #3, held between August 29, 2014 and September 3, 2014. The first through the tenth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #3 shall each be entitled to a prize of \$10,000, less required federal income tax withholding. This prize shall be paid as a lump-sum cash payment.

(b) The winners of the Pennsylvania Lottery's Summer Frenzy drawings will be posted to the Summer Frenzy promotional website and palottery.com.

11. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings Restrictions:

(a) The odds of an entry being selected in a Pennsylvania Lottery's Summer Frenzy second-chance drawing depend upon the number of entries received for that drawing.

(b) To be eligible for a particular Pennsylvania Lottery's Summer Frenzy second-chance drawing, entrants must have complied with the requirements of these rules.

(c) The Lottery is not responsible for late, lost or misdirected entries not entered into the Pennsylvania Lottery's Summer Frenzy second-chance drawings. The Lottery is not responsible for entries that are not entered into the Pennsylvania Lottery's Summer Frenzy second-chance drawings because of incompatible internet browsers or other technical issues. If a Pennsylvania Lottery's Summer Frenzy second-chance drawings entry is selected as a winner and rejected during or following a Pennsylvania Lottery's Summer Frenzy second-chance drawing, the Lottery will select another entry to replace the rejected entry in accordance with these rules and Lottery procedure.

(d) A computer-generated randomizer will be used to select the winners.

(e) An entrant may only win the prize for which they are first selected in each of the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Subsequent entries, from the same entrant, selected in the same Pennsylvania Lottery's Summer Frenzy second-chance drawing will be disqualified for that drawing and a replacement entry will be selected.

(f) If any discrepancy exists between these rules and any material describing the Pennsylvania Lottery's Summer Frenzy second-chance drawings, these rules shall govern.

(g) Employees of the Pennsylvania Lottery, MARC Advertising, Scientific Games International Inc., MDI Entertainment, LLC, and their subcontractors, or a spouse, child, brother, sister or parent residing as a member of the same household in the principal place of residence of any such person are not eligible to participate in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Offer void where prohibited or restricted.

(h) The Pennsylvania Lottery reserves the right, in its sole discretion, to cancel or suspend one or more of the

Pennsylvania Lottery's Summer Frenzy second-chance drawings, and change these rules if one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings cannot be conducted as planned due to errors in these rules or advertising, unauthorized intervention, tampering, fraud, technical errors, viruses, worms, bugs, or any other cause beyond the control of the Pennsylvania Lottery that, in the Pennsylvania Lottery's sole judgment, could corrupt or impair the administration, security, fairness, integrity, or proper conduct of one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

(i) All entries shall be subject to verification by the Pennsylvania Lottery.

(j) The Pennsylvania Lottery reserves the right, in its sole discretion, to disqualify an entrant found to be tampering with the operation of the Pennsylvania Lottery's Summer Frenzy second-chance Promotion or associated drawings or to be acting in violation of these rules or applicable law.

(k) The Pennsylvania Lottery's Summer Frenzy second-chance drawings are governed by the laws of the Commonwealth of Pennsylvania. Applicable laws and regulations apply.

(l) Prizes must be claimed within one year of the drawing date of the drawing in which the prize was won. If no claim is made within one year of the date of the drawing in which the prize was won, the right of an entrant to claim the prize won, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided by statute.

(m) Final determination of winners will be made by the Secretary, whose judgment will be final and binding.

(n) The payment of a prize awarded in the Pennsylvania Lottery's Summer Frenzy second-chance drawings to a person who dies before receiving the prize shall be paid according to 61 Pa. Code § 811.16 (relating to prizes payable after death of a prize winner).

(o) A winner is responsible for all taxes arising from or in connection with any prize won.

12. Retailer Incentive Awards: The Lottery may conduct a separate Retailer Incentive Program for retailers who sell Pennsylvania \$500 Frenzy instant lottery game tickets.

13. Retailer Bonus: The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$100,000 and not exceeding \$500,000 shall be paid a bonus of \$500. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$1,000,001 and not exceeding \$500,001 shall be paid a bonus of \$5,000. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$1,000,001 and not exceeding \$10,000,000 shall be paid a bonus of \$10,000. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a non-

winning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.

14. *Unclaimed Prize Money:* For a period of 1 year from the announced close of Pennsylvania \$100 Frenzy, prize money from winning Pennsylvania \$100 Frenzy instant lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the Pennsylvania \$100 Frenzy instant lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.

15. *Governing Law:* In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P.S. §§ 3761-101—3761-314), 61 Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.

16. *Termination of the Game:* The Secretary may announce a termination date, after which no further tickets from this game may be sold. The announcement will be disseminated through media used to advertise or promote Pennsylvania \$100 Frenzy or through normal communications methods.

DANIEL MEUSER,
Secretary

[Pa.B. Doc. No. 14-1058. Filed for public inspection May 16, 2014, 9:00 a.m.]

Pennsylvania \$1,000 Frenzy Instant Lottery Game

Under the State Lottery Law (72 P.S. §§ 3761-101—3761-314) and 61 Pa. Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. *Name:* The name of the game is Pennsylvania \$1,000 Frenzy.

2. *Price:* The price of a Pennsylvania \$1,000 Frenzy instant lottery game ticket is \$10.

3. *Play Symbols:* Each Pennsylvania \$1,000 Frenzy instant lottery game ticket will contain one play area featuring a “WINNING NUMBERS” area and a “YOUR NUMBERS” area. The play symbols and their captions located in the “WINNING NUMBERS” area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWY TWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN), 30 (THIRTY), 31 (THYONE), 32 (THYTWO), 33 (THYTHR), 34 (THYFOR), 35 (THYFIV), 36 (THYSIX), 37 (THYSVN), 38 (THYEGT), 39 (THYNIN) and 40 (FORTY). The play symbols and their captions located in the “YOUR NUMBERS” area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWY TWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29

(TWYNIN), 30 (THIRTY), 31 (THYONE), 32 (THYTWO), 33 (THYTHR), 34 (THYFOR), 35 (THYFIV), 36 (THYSIX), 37 (THYSVN), 38 (THYEGT), 39 (THYNIN), 40 (FORTY), \$1,000 BURST (WIN1000) symbol and a FRENZY (FRENZY) symbol.

4. *Prize Symbols:* The prize symbols and their captions located in the “YOUR NUMBERS” area are: \$5⁰⁰ (FIV DOL), \$10⁰⁰ (TEN DOL), \$15⁰⁰ (FIFTN), \$20⁰⁰ (TWENTY), \$40⁰⁰ (FORTY), \$50⁰⁰ (FIFTY), \$100 (ONE HUN), \$200 (TWO HUN), \$400 (FOR HUN), \$1,000 (ONE THO), \$2,500 (TWYFIVHUN), \$25,000 (TWYFIVTHO) and \$300,000 (THR HUNTHO).

5. *Prizes:* The prizes that can be won in this game are: \$5, \$10, \$15, \$20, \$40, \$50, \$100, \$200, \$400, \$1,000, \$2,500, \$25,000 and \$300,000. A player can win up to 15 times on a ticket.

6. *Approximate Number of Tickets Printed For the Game:* Approximately 7,680,000 tickets will be printed for the Pennsylvania \$1,000 Frenzy instant lottery game.

7. Determination of Prize Winners:

(a) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$300,000 (THR HUNTHO) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$300,000.

(b) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$25,000 (TWYFIVTHO) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$25,000.

(c) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$2,500 (TWYFIVHUN) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$2,500.

(d) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$100 (ONE HUN) appears in five of the “prize” areas and a prize symbol of \$200 (TWO HUN) appears in ten of the “prize” areas, on a single ticket, shall be entitled to a prize of \$2,500.

(e) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$1,000 (ONE THO) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$1,000.

(f) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a \$1,000 BURST (WIN1000) symbol, on a single ticket, shall be entitled to a prize of \$1,000.

(g) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$100 (ONE HUN) appears in four of the “prize” areas, a prize symbol of \$40⁰⁰ (FORTY) appears in ten of the “prize” areas, and a prize symbol of \$200 (TWO HUN) appears in one of the “prize” areas, on a single ticket, shall be entitled to a prize of \$1,000.

(h) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the

“WINNING NUMBERS” play symbols and a prize symbol of \$400 (FOR HUN) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$400.

(i) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$40.00 (FORTY) appears in five of the “prize” areas, and a prize symbol of \$20.00 (TWENTY) appears in ten of the “prize” areas, on a single ticket, shall be entitled to a prize of \$400.

(j) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$200 (TWO HUN) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$200.

(k) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$20.00 (TWENTY) appears in five of the “prize” areas, and a prize symbol of \$10.00 (TEN DOL) appears in ten of the “prize” areas, on a single ticket, shall be entitled to a prize of \$200.

(l) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$100 (ONE HUN) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$100.

(m) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a FRENZY (FRENZY) symbol, and a prize symbol of \$10.00 (TEN DOL) appears in five of the “prize” areas, and a prize symbol of \$5.00 (FIV DOL) appears in ten of the “prize” areas, on a single ticket, shall be entitled to a prize of \$100.

(n) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the

“WINNING NUMBERS” play symbols and a prize symbol of \$50.00 (FIFTY) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$50.

(o) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$40.00 (FORTY) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$40.

(p) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$20.00 (TWENTY) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$20.

(q) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$15.00 (FIFTN) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$15.

(r) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$10.00 (TEN DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$10.

(s) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches any of the “WINNING NUMBERS” play symbols and a prize symbol of \$5.00 (FIV DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$5.

8. *Number and Description of Prizes and Approximate Odds:* The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

When Any Of Your Numbers Match Any Winning Number, Win Prize Shown Under The Matching Number. Win With:

| <i>Number. Win With:</i> | <i>Win:</i> | <i>Approximate Odds Are 1 In:</i> | <i>Approximate No. Of Winners Per 7,680,000 Tickets:</i> |
|--------------------------------------|-------------|-----------------------------------|--|
| \$5 × 2 | \$10 | 20 | 384,000 |
| \$10 | \$10 | 9.23 | 832,000 |
| \$5 × 3 | \$15 | 120 | 64,000 |
| \$10 + \$5 | \$15 | 60 | 128,000 |
| \$15 | \$15 | 40 | 192,000 |
| \$10 × 2 | \$20 | 75 | 102,400 |
| \$15 + \$5 | \$20 | 120 | 64,000 |
| \$20 | \$20 | 85.71 | 89,600 |
| (\$15 × 2) + \$20 | \$50 | 600 | 12,800 |
| (\$20 × 2) + \$10 | \$50 | 200 | 38,400 |
| \$50 | \$50 | 300 | 25,600 |
| FRENZY w/ ((\$10 × 5) + (\$5 × 10)) | \$100 | 200 | 38,400 |
| \$10 × 10 | \$100 | 600 | 12,800 |
| \$100 | \$100 | 600 | 12,800 |
| FRENZY w/ ((\$20 × 5) + (\$10 × 10)) | \$200 | 2,400 | 3,200 |
| \$20 × 10 | \$200 | 6,000 | 1,280 |
| \$40 × 5 | \$200 | 6,000 | 1,280 |
| \$50 × 4 | \$200 | 6,000 | 1,280 |
| \$200 | \$200 | 8,000 | 960 |
| FRENZY w/ ((\$40 × 5) + (\$20 × 10)) | \$400 | 4,000 | 1,920 |
| \$40 × 10 | \$400 | 8,000 | 960 |
| \$200 × 2 | \$400 | 8,000 | 960 |
| \$400 | \$400 | 8,000 | 960 |

When Any Of Your Numbers Match
Any Winning Number, Win Prize
Shown Under The Matching
Number. Win With:

| | Win: | Approximate Odds Are 1 In: | Approximate No. Of Winners Per 7,680,000 Tickets: |
|---|-----------|-------------------------------|---|
| FRENZY w/ ((\$100 × 4) + (\$40 × 10) + \$200) | \$1,000 | 2,400 | 3,200 |
| \$200 × 5 | \$1,000 | 2,400 | 3,200 |
| \$1,000 w/ \$1,000 BURST | \$1,000 | 857.14 | 8,960 |
| \$1,000 | \$1,000 | 12,000 | 640 |
| FRENZY w/ ((\$100 × 5) + (\$200 × 10)) | \$2,500 | 120,000 | 64 |
| \$2,500 | \$2,500 | 120,000 | 64 |
| \$2,500 × 10 | \$25,000 | 960,000 | 8 |
| \$25,000 | \$25,000 | 960,000 | 8 |
| \$300,000 | \$300,000 | 960,000 | 8 |

Reveal a "\$1,000 BURST" (WIN1000) symbol, win \$1,000 instantly.

Reveal a "FRENZY" (FRENZY) symbol, win all 15 prizes shown!

Prizes, including top prizes, are subject to availability at the time of purchase.

9. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings' Requirements:

(a) Non-winning PA-1086 \$1,000 Frenzy, PA-1087 \$500 Frenzy, PA-1088 \$100 Frenzy, and PA-1089 \$25 Frenzy instant lottery tickets ("Qualifying Tickets") are eligible for entry in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Entrants must be members of the Pennsylvania Lottery VIP Players Club to participate in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. To join the VIP Players Club, visit <http://www.palottery.state.pa.us/Vip-Players-Club/Login.aspx>. Becoming a VIP Players Club member is free.

(b) To enter the Pennsylvania Lottery's Summer Frenzy second-chance drawings, entrants must enter the identifying information from at least one Qualifying Ticket into the entry form accessible exclusively via the Pennsylvania Lottery's Summer Frenzy promotional website during the entry period for the drawings. Identifying information from a Qualifying Ticket may only be entered once in the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

(c) The number of entries an entrant will receive for the Pennsylvania Summer Frenzy second-chance drawings is determined by the purchase price of the Qualifying Ticket entered. The respective purchase prices and corresponding number of entries for Qualifying Tickets are as follows: PA-1086 \$1,000 Frenzy (\$10) = 10 entries; PA-1087 \$500 Frenzy (\$5) = 5 entries; PA-1088 \$100 Frenzy (\$2) = 2 entries; and PA-1089 \$25 Frenzy (\$1) = 1 entry.

(d) The entry form must be completed in its entirety and the information supplied by the entrant must be accurate. Incomplete entry forms cannot be submitted.

(e) Only one claimant per entry allowed.

(f) Entrants must be 18 years of age or older.

(g) Entry is limited to entrants that indicate, at the time of submitting an entry, that their entry is being submitted from an internet connected device located within Pennsylvania.

(h) Entries must be submitted via the Pennsylvania Lottery's Summer Frenzy promotional website available at <http://www.palottery.com>. Entries mailed or hand-delivered to the Pennsylvania Lottery are not valid and will be disqualified.

(i) Players may submit unlimited Qualifying Tickets in the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

10. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings and Prizes:

(a) The Lottery will conduct three second-chance drawings. Drawing entries are cumulative and are eligible for all Pennsylvania Lottery's Summer Frenzy second-chance drawings that occur after the entry is made. All time references in this section are Eastern Time.

(1) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. June 26, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #1, held between June 27, 2014 and July 2, 2014. The first through the fiftieth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #1 shall each be entitled to a prize of \$1,000. This prize shall be paid as a lump-sum cash payment.

(2) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. July 31, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #2, held between August 1, 2014 and August 6, 2014. The first through the fifteenth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #2 shall be entitled to a prize of \$5,000. This prize shall be paid as a lump-sum cash payment.

(3) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. August 28, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #3, held between August 29, 2014 and September 3, 2014. The first through the tenth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #3 shall each be entitled to a prize of \$10,000, less required federal income tax withholding. This prize shall be paid as a lump-sum cash payment.

(b) The winners of the Pennsylvania Lottery's Summer Frenzy drawings will be posted to the Summer Frenzy promotional website and palottery.com.

11. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings Restrictions:

(a) The odds of an entry being selected in a Pennsylvania Lottery's Summer Frenzy second-chance drawing depend upon the number of entries received for that drawing.

(b) To be eligible for a particular Pennsylvania Lottery's Summer Frenzy second-chance drawing, entrants must have complied with the requirements of these rules.

(c) The Lottery is not responsible for late, lost or misdirected entries not entered into the Pennsylvania

Lottery's Summer Frenzy second-chance drawings. The Lottery is not responsible for entries that are not entered into the Pennsylvania Lottery's Summer Frenzy second-chance drawings because of incompatible internet browsers or other technical issues. If a Pennsylvania Lottery's Summer Frenzy second-chance drawings entry is selected as a winner and rejected during or following a Pennsylvania Lottery's Summer Frenzy second-chance drawing, the Lottery will select another entry to replace the rejected entry in accordance with these rules and Lottery procedure.

(d) A computer-generated randomizer will be used to select the winners.

(e) An entrant may only win the prize for which they are first selected in each of the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Subsequent entries, from the same entrant, selected in the same Pennsylvania Lottery's Summer Frenzy second-chance drawing will be disqualified for that drawing and a replacement entry will be selected.

(f) If any discrepancy exists between these rules and any material describing the Pennsylvania Lottery's Summer Frenzy second-chance drawings, these rules shall govern.

(g) Employees of the Pennsylvania Lottery, MARC Advertising, Scientific Games International Inc., MDI Entertainment, LLC, and their subcontractors, or a spouse, child, brother, sister or parent residing as a member of the same household in the principal place of residence of any such person are not eligible to participate in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Offer void where prohibited or restricted.

(h) The Pennsylvania Lottery reserves the right, in its sole discretion, to cancel or suspend one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings, and change these rules if one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings cannot be conducted as planned due to errors in these rules or advertising, unauthorized intervention, tampering, fraud, technical errors, viruses, worms, bugs, or any other cause beyond the control of the Pennsylvania Lottery that, in the Pennsylvania Lottery's sole judgment, could corrupt or impair the administration, security, fairness, integrity, or proper conduct of one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

(i) All entries shall be subject to verification by the Pennsylvania Lottery.

(j) The Pennsylvania Lottery reserves the right, in its sole discretion, to disqualify an entrant found to be tampering with the operation of the Pennsylvania Lottery's Summer Frenzy second-chance Promotion or associated drawings or to be acting in violation of these rules or applicable law.

(k) The Pennsylvania Lottery's Summer Frenzy second-chance drawings are governed by the laws of the Commonwealth of Pennsylvania. Applicable laws and regulations apply.

(l) Prizes must be claimed within one year of the drawing date of the drawing in which the prize was won. If no claim is made within one year of the date of the drawing in which the prize was won, the right of an entrant to claim the prize won, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided by statute.

(m) Final determination of winners will be made by the Secretary, whose judgment will be final and binding.

(n) The payment of a prize awarded in the Pennsylvania Lottery's Summer Frenzy second-chance drawings to a person who dies before receiving the prize shall be paid according to 61 Pa. Code § 811.16 (relating to prizes payable after death of a prize winner).

(o) A winner is responsible for all taxes arising from or in connection with any prize won.

12. *Retailer Incentive Awards:* The Lottery may conduct a separate Retailer Incentive Program for retailers who sell Pennsylvania \$1,000 Frenzy instant lottery game tickets.

13. *Retailer Bonus:* The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$100,000 and not exceeding \$500,000 shall be paid a bonus of \$500. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$500,001 and not exceeding \$1,000,000 shall be paid a bonus of \$5,000. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$1,000,001 and not exceeding \$10,000,000 shall be paid a bonus of \$10,000. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a non-winning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.

14. *Unclaimed Prize Money:* For a period of 1 year from the announced close of Pennsylvania \$1,000 Frenzy, prize money from winning Pennsylvania \$1,000 Frenzy instant lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the Pennsylvania \$1,000 Frenzy instant lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.

15. *Governing Law:* In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P. S. §§ 3761-101—3761-314), 61 Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.

16. *Termination of the Game:* The Secretary may announce a termination date, after which no further tickets from this game may be sold. The announcement will be disseminated through media used to advertise or promote Pennsylvania \$1,000 Frenzy or through normal communications methods.

DANIEL MEUSER,
Secretary

[Pa.B. Doc. No. 14-1059. Filed for public inspection May 16, 2014, 9:00 a.m.]

Pennsylvania \$25 Frenzy Instant Lottery Game

Under the State Lottery Law (72 P.S. §§ 3761-101—3761-314) and 61 Pa. Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. *Name:* The name of the game is Pennsylvania \$25 Frenzy.

2. *Price:* The price of a Pennsylvania \$25 Frenzy instant lottery game ticket is \$1.

3. *Play Symbols:* Each Pennsylvania \$25 Frenzy instant lottery game ticket will contain one play area featuring a “WINNING NUMBERS” area and a “YOUR NUMBERS” area. The play symbols and their captions located in the “WINNING NUMBERS” areas are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN) and 20 (TWENT). The play symbols and their captions located in the “YOUR NUMBERS” area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT) and a \$25 BURST (WIN25) symbol.

4. *Prize Symbols:* The prize symbols and their captions located in the “YOUR NUMBERS” area are: FREE (TICKET), \$1⁰⁰ (ONE DOL), \$2⁰⁰ (TWO DOL), \$3⁰⁰ (THR DOL), \$5⁰⁰ (FIV DOL), \$10⁰⁰ (TEN DOL), \$20⁰⁰ (TWENTY), \$25⁰⁰ (TWY FIV), \$30⁰⁰ (THIRTY), \$50⁰⁰ (FIFTY), \$75⁰⁰ (SVY FIV), \$100 (ONE HUN) and \$2,500 (TWYFIVHUN).

5. *Prizes:* The prizes that can be won in this game are: Free \$1 ticket, \$1, \$2, \$3, \$5, \$10, \$20, \$25, \$30, \$50, \$75, \$100 and \$2,500. A player can win up to 4 times on a ticket.

6. *Approximate Number of Tickets Printed For the Game:* Approximately 12,000,000 tickets will be printed for the Pennsylvania \$25 Frenzy instant lottery game.

7. Determination of Prize Winners:

(a) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$2,500 (TWYFIVHUN) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$2,500.

(b) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$100 (ONE HUN) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$100.

(c) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$75⁰⁰ (SVY FIV) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$75.

(d) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$50⁰⁰ (FIFTY) appears in the “prize” area under the

matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$50.

(e) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$30⁰⁰ (THIRTY) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$30.

(f) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$25⁰⁰ (TWY FIV) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$25.

(g) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols is a \$25 BURST (WIN25) symbol, on a single ticket, shall be entitled to a prize of \$25.

(h) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$20⁰⁰ (TWENTY) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$20.

(i) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$10⁰⁰ (TEN DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$10.

(j) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$5⁰⁰ (FIV DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$5.

(k) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$3⁰⁰ (THR DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$3.

(l) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$2⁰⁰ (TWO DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$2.

(m) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of \$1⁰⁰ (ONE DOL) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of \$1.

(n) Holders of tickets upon which any one of the “YOUR NUMBERS” play symbols matches either of the “WINNING NUMBERS” play symbols and a prize symbol of FREE (TICKET) appears in the “prize” area under the matching “YOUR NUMBERS” play symbol, on a single ticket, shall be entitled to a prize of one Pennsylvania \$25 Frenzy instant game ticket or one Pennsylvania Lottery instant game ticket of equivalent sale price which is currently on sale.

8. *Number and Description of Prizes and Approximate Odds:* The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

When Any Of Your Numbers Match
Either Winning Number, Win Prize
Shown Under The Matching
Number. Win With:

| | Win: | Approximate Odds Are 1 In: | Approximate No. Of Winners Per 12,000,000 Tickets |
|----------------------------|-----------------|-------------------------------|---|
| FREE | FREE \$1 TICKET | 9.38 | 1,280,000 |
| \$1 × 2 | \$2 | 37.5 | 320,000 |
| \$2 | \$2 | 42.86 | 280,000 |
| \$1 × 3 | \$3 | 75 | 160,000 |
| \$3 | \$3 | 75 | 160,000 |
| (\$2 × 2) + \$1 | \$5 | 150 | 80,000 |
| \$5 | \$5 | 150 | 80,000 |
| \$5 × 2 | \$10 | 750 | 16,000 |
| (\$3 × 2) + (\$2 × 2) | \$10 | 600 | 20,000 |
| \$10 | \$10 | 500 | 24,000 |
| \$25 w/ \$25 BURST | \$25 | 166.67 | 72,000 |
| \$25 | \$25 | 1,500 | 8,000 |
| (\$10 × 2) + (\$5 × 2) | \$30 | 6,000 | 2,000 |
| (\$25 w/ \$25 BURST) + \$5 | \$30 | 2,400 | 5,000 |
| \$30 | \$30 | 6,857 | 1,750 |
| (\$10 × 3) + \$20 | \$50 | 24,000 | 500 |
| (\$20 × 2) + (\$5 × 2) | \$50 | 24,000 | 500 |
| (\$25 w/ \$25 BURST) × 2 | \$50 | 3,000 | 4,000 |
| \$50 | \$50 | 12,000 | 1,000 |
| \$50 + \$25 | \$75 | 40,000 | 300 |
| (\$25 w/ \$25 BURST) × 3 | \$75 | 12,000 | 1,000 |
| \$75 | \$75 | 40,000 | 300 |
| (\$25 w/ \$25 BURST) × 4 | \$100 | 40,000 | 300 |
| \$100 | \$100 | 120,000 | 100 |
| \$2,500 | \$2,500 | 200,000 | 60 |

Reveal a "\$25 BURST" (WIN25) symbol, win \$25 instantly.

Prizes, including top prizes, are subject to availability at the time of purchase.

9. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings' Requirements:

(a) Non-winning PA-1086 \$1,000 Frenzy, PA-1087 \$500 Frenzy, PA-1088 \$100 Frenzy, and PA-1089 \$25 Frenzy instant lottery tickets ("Qualifying Tickets") are eligible for entry in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Entrants must be members of the Pennsylvania Lottery VIP Players Club to participate in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. To join the VIP Players Club, visit <http://www.palottery.state.pa.us/Vip-Players-Club/Login.aspx>. Becoming a VIP Players Club member is free.

(b) To enter the Pennsylvania Lottery's Summer Frenzy second-chance drawings, entrants must enter the identifying information from at least one Qualifying Ticket into the entry form accessible exclusively via the Pennsylvania Lottery's Summer Frenzy promotional website during the entry period for the drawings. Identifying information from a Qualifying Ticket may only be entered once in the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

(c) The number of entries an entrant will receive for the Pennsylvania Summer Frenzy second-chance drawings is determined by the purchase price of the Qualifying Ticket entered. The respective purchase prices and corresponding number of entries for Qualifying Tickets are as follows: PA-1086 \$1,000 Frenzy (\$10) = 10 entries; PA-1087 \$500 Frenzy (\$5) = 5 entries; PA-1088 \$100 Frenzy (\$2) = 2 entries; and PA-1089 \$25 Frenzy (\$1) = 1 entry.

(d) The entry form must be completed in its entirety and the information supplied by the entrant must be accurate. Incomplete entry forms cannot be submitted.

(e) Only one claimant per entry allowed.

(f) Entrants must be 18 years of age or older.

(g) Entry is limited to entrants that indicate, at the time of submitting an entry, that their entry is being submitted from an internet connected device located within Pennsylvania.

(h) Entries must be submitted via the Pennsylvania Lottery's Summer Frenzy promotional website available at <http://www.palottery.com>. Entries mailed or hand-delivered to the Pennsylvania Lottery are not valid and will be disqualified.

(i) Players may submit unlimited Qualifying Tickets in the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

10. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings and Prizes:

(a) The Lottery will conduct three second-chance drawings. Drawing entries are cumulative and are eligible for all Pennsylvania Lottery's Summer Frenzy second-chance drawings that occur after the entry is made. All time references in this section are Eastern Time.

(1) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. June 26, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #1, held between June 27, 2014 and July 2, 2014. The first through the fiftieth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #1 shall each be entitled to a prize of \$1,000. This prize shall be paid as a lump-sum cash payment.

(2) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. July 31, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #2, held between August 1, 2014 and August 6,

2014. The first through the fifteenth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #2 shall be entitled to a prize of \$5,000. This prize shall be paid as a lump-sum cash payment.

(3) All Pennsylvania Lottery's Summer Frenzy second-chance drawings entries received after 11:59:59 p.m. May 18, 2014, through 11:59:59 p.m. August 28, 2014, will be entered in the Pennsylvania Lottery's Summer Frenzy Drawing #3, held between August 29, 2014 and September 3, 2014. The first through the tenth winners selected in the Pennsylvania Lottery's Summer Frenzy Drawing #3 shall each be entitled to a prize of \$10,000, less required federal income tax withholding. This prize shall be paid as a lump-sum cash payment.

(b) The winners of the Pennsylvania Lottery's Summer Frenzy drawings will be posted to the Summer Frenzy promotional website and palottery.com.

11. Pennsylvania Lottery's Summer Frenzy Second-Chance Drawings Restrictions:

(a) The odds of an entry being selected in a Pennsylvania Lottery's Summer Frenzy second-chance drawing depend upon the number of entries received for that drawing.

(b) To be eligible for a particular Pennsylvania Lottery's Summer Frenzy second-chance drawing, entrants must have complied with the requirements of these rules.

(c) The Lottery is not responsible for late, lost or misdirected entries not entered into the Pennsylvania Lottery's Summer Frenzy second-chance drawings. The Lottery is not responsible for entries that are not entered into the Pennsylvania Lottery's Summer Frenzy second-chance drawings because of incompatible internet browsers or other technical issues. If a Pennsylvania Lottery's Summer Frenzy second-chance drawings entry is selected as a winner and rejected during or following a Pennsylvania Lottery's Summer Frenzy second-chance drawing, the Lottery will select another entry to replace the rejected entry in accordance with these rules and Lottery procedure.

(d) A computer-generated randomizer will be used to select the winners.

(e) An entrant may only win the prize for which they are first selected in each of the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Subsequent entries, from the same entrant, selected in the same Pennsylvania Lottery's Summer Frenzy second-chance drawing will be disqualified for that drawing and a replacement entry will be selected.

(f) If any discrepancy exists between these rules and any material describing the Pennsylvania Lottery's Summer Frenzy second-chance drawings, these rules shall govern.

(g) Employees of the Pennsylvania Lottery, MARC Advertising, Scientific Games International Inc., MDI Entertainment, LLC, and their subcontractors, or a spouse, child, brother, sister or parent residing as a member of the same household in the principal place of residence of any such person are not eligible to participate in the Pennsylvania Lottery's Summer Frenzy second-chance drawings. Offer void where prohibited or restricted.

(h) The Pennsylvania Lottery reserves the right, in its sole discretion, to cancel or suspend one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings, and change these rules if one or more of the Pennsylvania Lottery's Summer Frenzy second-chance

drawings cannot be conducted as planned due to errors in these rules or advertising, unauthorized intervention, tampering, fraud, technical errors, viruses, worms, bugs, or any other cause beyond the control of the Pennsylvania Lottery that, in the Pennsylvania Lottery's sole judgment, could corrupt or impair the administration, security, fairness, integrity, or proper conduct of one or more of the Pennsylvania Lottery's Summer Frenzy second-chance drawings.

(i) All entries shall be subject to verification by the Pennsylvania Lottery.

(j) The Pennsylvania Lottery reserves the right, in its sole discretion, to disqualify an entrant found to be tampering with the operation of the Pennsylvania Lottery's Summer Frenzy second-chance Promotion or associated drawings or to be acting in violation of these rules or applicable law.

(k) The Pennsylvania Lottery's Summer Frenzy second-chance drawings are governed by the laws of the Commonwealth of Pennsylvania. Applicable laws and regulations apply.

(l) Prizes must be claimed within one year of the drawing date of the drawing in which the prize was won. If no claim is made within one year of the date of the drawing in which the prize was won, the right of an entrant to claim the prize won, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided by statute.

(m) Final determination of winners will be made by the Secretary, whose judgment will be final and binding.

(n) The payment of a prize awarded in the Pennsylvania Lottery's Summer Frenzy second-chance drawings to a person who dies before receiving the prize shall be paid according to 61 Pa. Code § 811.16 (relating to prizes payable after death of a prize winner).

(o) A winner is responsible for all taxes arising from or in connection with any prize won.

12. Retailer Incentive Awards: The Lottery may conduct a separate Retailer Incentive Program for retailers who sell Pennsylvania \$25 Frenzy instant lottery game tickets.

13. Retailer Bonus: The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$100,000 and not exceeding \$500,000 shall be paid a bonus of \$500. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$500,001 and not exceeding \$1,000,000 shall be paid a bonus of \$5,000. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least \$1,000,001 and not exceeding \$10,000,000 shall be paid a bonus of \$10,000. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a non-winning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.

14. *Unclaimed Prize Money:* For a period of 1 year from the announced close of Pennsylvania \$25 Frenzy, prize money from winning Pennsylvania \$25 Frenzy instant lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the Pennsylvania \$25 Frenzy instant lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.

15. *Governing Law:* In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P.S. §§ 3761-101—3761-314), 61 Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.

16. *Termination of the Game:* The Secretary may announce a termination date, after which no further tickets from this game may be sold. The announcement will be disseminated through media used to advertise or promote Pennsylvania \$25 Frenzy or through normal communications methods.

DANIEL MEUSER,
Secretary

[Pa.B. Doc. No. 14-1060. Filed for public inspection May 16, 2014, 9:00 a.m.]

DEPARTMENT OF TRANSPORTATION

Automated Red Light Enforcement Transportation Enhancement Grants Program Applications

Under 67 Pa. Code Chapter 233 (relating to transportation enhancement grants from automated red light enforcement system revenues), the Department of Transportation (Department) is inviting city, county and municipal governments and other local boards or bodies with authority to enact laws relating to traffic in this Commonwealth to submit applications, in accordance with the parameters delineated in 67 Pa. Code Chapter 233. Applications will be accepted from June 1, 2014, to June 30, 2014.

Application and submission instructions can be obtained at [ftp://ftp.dot.state.pa.us/public/Bureaus/BOMO/Traffic%20Signal%20Portal/ARLE/ARLE_Application\(2014\).pdf](ftp://ftp.dot.state.pa.us/public/Bureaus/BOMO/Traffic%20Signal%20Portal/ARLE/ARLE_Application(2014).pdf).

Additional guidance and information can be found on the Department's Traffic Signal Resource Portal located at www.dot.state.pa.us/signals.

Completed applications should be submitted electronically to ARLE_Grants@pa.gov. Alternatively, applications may be submitted in writing to the Department at Attention—Transportation Enhancement Grants from Automated Red Light Enforcement System Revenues, Bureau of Program Development and Management, 400 North Street, 6th Floor, Harrisburg, PA 17120.

Questions related to the Automated Red Light Enforcement Transportation Enhancement Grants Program may be directed to Richard N. Roman, PE, Director, Bureau of Maintenance and Operations, 400 North Street, 6th Floor,

Harrisburg, PA 17120, (717) 787-6899, ARLE_Grants@pa.gov.

BARRY J. SCHOCH, PE,
Secretary

[Pa.B. Doc. No. 14-1061. Filed for public inspection May 16, 2014, 9:00 a.m.]

Findings

Under section 2002(b) of The Administrative Code of 1929 (71 P.S. § 512(b)) establishing the Department of Transportation (Department), the Deputy Secretary for Highway Administration, as delegated by the Secretary of Transportation, makes the following written findings:

The Department is planning the projects listed as follows. Environmental and Section 4(f) Documentation have been developed for the projects identified as follows to evaluate the potential environmental impacts caused by these projects. The Section 4(f) documents also serve as the Section 2002 Evaluation. The approved documents are available in the CE Expert System at <http://www.dotdom2.state.pa.us/ceea/ceeamain.nsf>. The environmental, economic, social and other effects of the proposed projects have been considered. Based upon studies, there is no feasible and prudent alternative to the use of the Section 2002 resources for the proposed projects identified as follows and all reasonable steps have been taken to minimize the effects.

- **SR 22, Section 44B, SR 22 over Yellow Spring Run—Catherine Township, Blair County**

Project Description: The project will include the replacement of the structure carrying SR 22 over Yellow Spring Run.

Environmental Documents: Level 1b ED, approved on January 29, 2014, and a Determination of Section 4(f) De Minimis Use/Section 2002 No Adverse Use Historic Properties Checklist, approved on January 17, 2014.

Proposed Use of Section 4(f)/2002 Resource: The project will include impacts to the National Register-(NR) eligible Maxwell Kinkead Property. Overall, there will be 0.583 acre of new permanent right-of-way (ROW) taken from the NR-eligible property, which is 307 acres in total. In addition, there will be approximately 0.083 acre of temporary acquisition.

- **SR 164, Section 02S—Portage Borough, Cambria County**

Project Description: The project will improve turning radii at the SR 2012 and SR 164 intersection in Portage Borough due to damage to the sidewalk and pavement from truck turning movements.

Environmental Documents: BRPA CE, approved on August 27, 2013, and a Determination of Section 4(f) De Minimis Use/Section 2002 No Adverse Use—Historic Properties Checklist and Determination of Section 4(f) De Minimis Use/Section 2002 No Adverse Use—Public Parks, Recreation Areas, Wildlife and/or Waterfowl Refuges, State Forest Land and State Game Land were both approved on August 16, 2013.

Proposed Use of Section 4(f)/2002 Resource: The project will include impacts to the NR-listed Portage Historic District. Overall, there will be 28 square feet of permanent ROW taken from the NR-eligible property. The project will also include 17 square feet of permanent impacts to the Portage Borough Community Beautification property. The total acreage of the property is 9,840 square feet.

• **SR 0322, Section 13M—City of Franklin and the Borough of Sugarcreek, Venango County**

Project Description: This project consists of addressing the roadway deficiencies through a reconstruction of 13th Street (SR 0322) from Liberty Street to the bridge approach near Franklin Avenue. The remainder of the project includes a mill and overlay on the bridge approach near Howard Street to segment 0240/0000 and completion as needed of drainage, signing, ADA ramps and guiderail updates. Signal upgrades at the intersection of 13th Street, Grant Street, Rocky Grove Avenue (SR 417) and Meadville Pike (SR 4003) will also be completed.

Environmental Documents: BRPA CE, approved on January 15, 2014, and a Determination of Section 4(f) De Minimus Use document, approved on January 7, 2014.

Proposed Use of Section 4(f)/2002 Resource: Approximately two blocks of the mill and overlay portion of the project are located within the Franklin Historic District. Work will be completed within the existing ROW and will result in no adverse effects on the historic district.

• **SR 403, Section 09B, Cherry Run Culvert—City of Johnstown, Cambria County**

Project Description: The project will involve the replacement of the existing Cherry Run Culvert, which carries Cherry Run beneath SR 403 near the intersection with a city street, Edmonds Place. The downstream (east) side of the culvert opens into a United States Army Corps of Engineers floodwall surrounding the Stonycreek River.

Environmental Documents: Level 1b CE, approved on October 7, 2013, and a Determination of Section 4(f) De Minimis Use/Section 2002 No Adverse Use Historic Properties Checklist, approved on September 6, 2013.

Proposed Use of Section 4(f)/2002 Resource: The NR-eligible Johnstown Local Flood Protection Project is located along the Stonycreek River, which will be impacted as part of the culvert replacement activities. Approximately 40,000 square feet of the floodwall will be replaced in-kind (concrete).

• **SR 0422, Section 472—Cherryhill and Pine Townships, Indiana County**

Project Description: This project consists of roadway widening and the addition of a 12-foot turning lane on SR 0422 to increase efficiency of traffic flow along the corridor. The turning lane will accommodate movements from SR 0422 to SR 0259.

Environmental Documents: Level 1b CE, approved on January 7, 2014, and a Determination of Section 4(f) De Minimus Use document, approved on November 5, 2013.

Proposed Use of Section 4(f)/2002 Resource: The widening of SR 0422 will require a permanent ROW acquisition totaling 0.60 acre from Yellow Creek State Park. This take will result in no adverse effect to the Park or its attributes.

• **SR 0441, Section 012—Columbia Borough and West Hempfield Township, Lancaster County**

Project Description: The project consists of the relocation of SR 0441 (from SR 0441, SR 0030 Interchange to SR 0441, Bridge Street, Chestnut Street Intersection) and local improvements to Front Street (SR 441), Cedar Street, Bridge Street and the U.S. 30 Eastbound on-ramp.

Environmental Documents: Level 2 CE, approved on January 10, 2014, and a Determination of Section 4(f) De Minimus Use document, approved on December 21, 2009.

Proposed Use of Section 4(f)/2002 Resource: The relocation of SR 0441 will require temporary and permanent ROW acquisitions. The Columbia Historic District is on the NR of Historic Places. A temporary easement of 0.16 acre and a permanent ROW acquisition of 0.44 acre will be taken from the Columbia Historic District. A temporary easement of 0.04 acre and a permanent ROW acquisition of 0.45 acre will be taken from the Pennsylvania Railroad/Atglen and Susquehanna Branch. A permanent ROW acquisition of 0.02 acre will be taken from the Reading and Columbia/Philadelphia and Reading Railroads. The temporary takes of 0.20 and permanent takes of 0.91 acre will result in no adverse effects on the historic resources.

• **SR 0522, Section P10 (Multiple Bridge Project): SR 3014—Bratton Township, Mifflin County**

Project Description: This project consists of the rehabilitation of the existing SR 3014 over the Juniata River.

Environmental Documents: BRPA CE, approved on February 5, 2014, and a Determination of Section 4(f) De Minimus Use document, approved on March 28, 2013.

Proposed Use of Section 4(f)/2002 Resource: The Fish and Boat Commission has designated the Juniata River a Water Trail, which is viewed by the Federal Highway Administration as Section 4(f) resource. This bridge rehabilitation does not require any temporary or permanent ROW acquisition and the water trail is to remain open for boating and fishing throughout the project construction and afterwards resulting in no adverse effects on the Section 4(f) resource.

• **SR 0611, Section CWR—Williams Township, Forks, and Lower Mount Bethel Townships, Northampton County**

Project Description: This project consists of the removal of an existing rock slope along SR 0611 and replacing it with a soldier pile wall. The soldier pile wall will stretch for approximately 173 feet along the embankment of the canal and SR 0611 in Williams Township, Northampton County.

Environmental Documents: Level 2 CE, approved on March 12, 2014, and a Determination of Section 4(f) De Minimus Use document, approved on January 14, 2014.

Proposed Use of Section 4(f)/2002 Resource: Through Northampton County, SR 0611 runs parallel with the Delaware Division of the Pennsylvania Canal, a registered National Historic Landmark. The project site is adjacent to the Theodore Roosevelt Recreational Area, which is a part of the Delaware Canal State Park. The eastern slope of SR 0611 is shared by the western prism wall of the canal. This project will stabilize a section of the prism wall of the canal as well as maintain a safe roadway for the travelling public. Approximately 800 feet of the Towpath Trail as well as the same length of the Delaware Canal will not be usable during the construction phase because of temporary staging areas and access

to do the work. One parking area will also be inaccessible during construction. There will be no adverse effects to the canal or recreational area as a result of this project.

• **SR 1027, Section 550—Polk Township, Jefferson County**

Project Description: This project consists of a replacement of the SR 1027 Egypt Road Bridge over North Fork Creek on a new alignment that will improve the horizontal and vertical geometry of the roadway approaches.

Environmental Documents: Level 1b CE, approved on February 18, 2014, and a Determination of Section 4(f) De Minimis Use document, approved on February 14, 2014.

Proposed Use of Section 4(f)/2002 Resource: The realignment and replacement of SR 1027 will require 0.654 acre of permanent ROW acquisition from State Game Lands #54. Upon vacating the existing ROW occupied by the existing bridge and roadway approaches, 0.373 acre of land will be returned to the Game Commission for use as a designated parking area. All disturbed areas will be graded, seeded and mulched in accordance with PennDOT Publication 408 and a contract special provision requiring the utilization of a Game Commission Seeding Plan. A contract special provision will ensure all rip-rap and stone used for the stabilization of stream banks, road shoulders and the constructed Game Land #54 parking area is limestone. The ROW takes and mitigation measures will result in no adverse effects on the resources.

• **SR 2007, Section A01—Gregg Township, Centre County**

Project Description: This project consists of a bridge replacement for the SR 2017 Brush Mountain Road Bridge over an unnamed tributary to Penns Creek.

Environmental Documents: BRPA CE, approved on December 9, 2013, and a Determination of Section 4(f) De Minimis Use document, approved on December 9, 2013.

Proposed Use of Section 4(f)/2002 Resource: The replacement of the Brush Mountain Road Bridge will result in 0.037 acre of permanent ROW acquisition and 0.249 acre of temporary construction easements from the Penns Valley/Brush Valley Rural Historic District. These ROW takes will result in no adverse effects on the historic resources.

• **Osterburg Covered Bridge over Bobs Creek—East St. Clair Township, Bedford County**

Project Description: The project will address structural deficiencies to preserve the historical integrity of the Osterburg Covered Bridge and provide safe pedestrian access across Bobs Creek.

Environmental Documents: BRPA CE, approved on January 17, 2014, and a Determination of Section 4(f) De Minimis Use/Section 2002 No Adverse Use Historic Properties Checklist, approved on January 16, 2014.

Proposed Use of Section 4(f)/2002 Resource: The proposed project would include rehabilitation of the historic Osterburg Covered Bridge to preserve the historic integrity of the bridge.

R. SCOTT CHRISTIE, PE,
Deputy Secretary for Highway Administration

[Pa.B. Doc. No. 14-1062. Filed for public inspection May 16, 2014, 9:00 a.m.]

INDEPENDENT REGULATORY REVIEW COMMISSION

Action Taken by the Commission

The Independent Regulatory Review Commission met publicly at 10 a.m., Thursday, April 10, 2014, and announced the following:

Action Taken—Regulations Approved:

Environmental Quality Board; #7-469: Flexible Packaging Printing Presses, Offset Lithographic Printing Presses and Letterpress Printing Presses, Adhesives, Sealants, Primers and Solvents (amends 25 Pa. Code Chapters 121, 129 and 130)

Environmental Quality Board; #7-483: Oil and Gas Well Fee Amendments (amends 25 Pa. Code §§ 78.1 and 78.19)

Department of Public Welfare; #14-535: Supplemental Ventilator Care Payment for Medical Assistance Nursing Facilities (amends 55 Pa. Code Chapters 1187 and 1189)

Pennsylvania Public Utility Commission; #57-288: Licensing Requirements for Natural Gas Suppliers (amends 52 Pa. Code §§ 62.101, 62.102 and 62.110)

Philadelphia Parking Authority; #126-3: Impoundment of Vehicles and Equipment (amends 52 Pa. Code Chapters 1017 and 1055)

Approval Order

Public Meeting Held
May 1, 2014

Commissioners Voting: John F. Mizner, Esq., Chairperson; George D. Bedwick, Vice Chairperson; W. Russell Faber; Lawrence J. Tabas, Esq.; Dennis A. Watson, Esq.

*Environmental Quality Board—
Flexible Packaging Printing Presses, Offset Lithographic
Printing Presses and Letterpress Printing Presses,
Adhesives, Sealants, Primers and Solvents;
Regulation No. 7-469 (#2930)*

On January 31, 2012, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the Environmental Quality Board (EQB). This rulemaking amends 25 Pa. Code Chapters 121, 129 and 130. The proposed regulation was published in the February 11, 2012 *Pennsylvania Bulletin* with a 65-day public comment period. The final-form regulation was submitted to the Commission on March 21, 2014.

This final-form rulemaking limits emissions of volatile organic compounds from inks, varnishes, coatings, adhesives, fountain solutions and cleaning solutions applied on and with flexible packaging printing presses, offset lithographic printing presses and letterpress printing presses.

We have determined this regulation is consistent with the statutory authority of EQB (35 P. S. §§ 4005(a)(1) and 4005(a)(8)) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

By Order of the Commission:

This regulation is approved.

Approval Order

Public Meeting Held
May 1, 2014

Commissioners Voting: John F. Mizner, Esq., Chairperson;
George D. Bedwick, Vice Chairperson; W. Russell Faber;
Lawrence J. Tabas, Esq.; Dennis A. Watson, Esq.

*Environmental Quality Board—
Oil and Gas Well Fee Amendments;
Regulation No. 7-483 (#3022)*

On September 4, 2013, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the Environmental Quality Board (EQB). This rulemaking amends 25 Pa. Code §§ 78.1 and 78.19. The proposed regulation was published in the September 14, 2013 *Pennsylvania Bulletin* with a 30-day public comment period. The final-form regulation was submitted to the Commission on March 21, 2014.

This regulation changes the current fee schedule for oil and gas well permits to a fixed fee of \$5,000 for nonvertical unconventional wells and \$4,200 for vertical unconventional wells. The current sliding scale fee for vertical wells will continue to apply, but under a different category defined as “conventional.”

We have determined this regulation is consistent with the statutory authority of EQB (58 Pa.C.S. § 3211(d)) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

By Order of the Commission:

This regulation is approved.

Approval Order

Public Meeting Held
May 1, 2014

Commissioners Voting: John F. Mizner, Esq., Chairperson;
George D. Bedwick, Vice Chairperson; W. Russell Faber;
Lawrence J. Tabas, Esq.; Dennis A. Watson, Esq.

*Department of Public Welfare—
Supplemental Ventilator Care Payment for Medical
Assistance Nursing Facilities;
Regulation No. 14-535 (#3019)*

On August 14, 2013, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the Department of Public Welfare (Department). This rulemaking amends 55 Pa. Code Chapters 1187 and 1189. The proposed regulation was published in the August 24, 2013, *Pennsylvania Bulletin* with a 30-day public comment period. The final-form regulation was submitted to the Commission on March 28, 2014.

This regulation provides supplemental payment of Medical Assistance nursing facility services for ventilator care and tracheostomy care.

We have determined this regulation is consistent with the statutory authority of the Department (62 P.S. § 201(2)) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

By Order of the Commission:

This regulation is approved.

Approval Order

Public Meeting Held
May 1, 2014

Commissioners Voting: John F. Mizner, Esq., Chairperson;
George D. Bedwick, Vice Chairperson; W. Russell Faber;
Lawrence J. Tabas, Esq.; Dennis A. Watson, Esq.

*Pennsylvania Public Utility Commission—
Licensing Requirements for Natural Gas Suppliers;
Regulation No. 57-288 (#2938)*

On April 3, 2012, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the Pennsylvania Public Utility Commission (PUC). This rulemaking amends 52 Pa. Code §§ 62.101, 62.102 and 62.110. The proposed regulation was published in the April 14, 2012 *Pennsylvania Bulletin* with a 60-day public comment period. The final-form regulation was submitted to the Commission on March 12, 2014.

This regulation amends licensing requirements for natural gas suppliers to establish clear procedures regarding the entities that must be licensed in order to sell or arrange the sale of natural gas.

We have determined this regulation is consistent with the statutory authority of the PUC (66 Pa.C.S. § 501) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

By Order of the Commission:

This regulation is approved.

Approval Order

Public Meeting Held
May 1, 2014

Commissioners Voting: John F. Mizner, Esq., Chairperson;
George D. Bedwick, Vice Chairperson; W. Russell Faber;
Lawrence J. Tabas, Esq., abstained; Dennis A. Watson, Esq.

*Philadelphia Parking Authority—
Impoundment of Vehicles and Equipment;
Regulation No. 126-3 (#2992)*

On March 15, 2013, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the Philadelphia Parking Authority (PPA). This rulemaking amends 52 Pa. Code Chapters 1017 and 1055. The proposed regulation was published in the March 30, 2013 *Pennsylvania Bulletin* with a 30-day public comment period. The final-form regulation was submitted to the Commission on March 19, 2014.

This final-form rulemaking deletes the PPA’s existing impoundment regulations for taxicabs and limousines and replaces them with a new set of regulations.

We have determined this regulation is consistent with the statutory authority of the PPA (53 Pa.C.S.A. §§ 5722 and 5742) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

By Order of the Commission:

This regulation is approved.

JOHN F. MIZNER, Esq.,
Chairperson

[Pa.B. Doc. No. 14-1063. Filed for public inspection May 16, 2014, 9:00 a.m.]

Notice of Comments Issued

Section 5(g) of the Regulatory Review Act (71 P. S. § 745.5(g)) provides that the Independent Regulatory Review Commission (Commission) may issue comments within 30 days of the close of the public comment period. The Commission comments are based upon the criteria contained in section 5.2 of the Regulatory Review Act (71 P. S. § 745.5b).

The Commission has issued comments on the following proposed regulations. The agencies must consider these comments in preparing the final-form regulation. The final-form regulation must be submitted within 2 years of the close of the public comment period or it will be deemed withdrawn.

| <i>Reg. No.</i> | <i>Agency/Title</i> | <i>Close of the Public Comment Period</i> | <i>IRRC Comments Issued</i> |
|-----------------|---|---|-------------------------------------|
| #126-8 | Philadelphia Parking Authority Taxicab Safety Cameras 44 Pa.B. 1323 (March 8, 2014) | 04/07/14 | 05/07/14 |
| #74-1 | Department of Drug and Alcohol Programs Standards for Licensure of Freestanding Treatment Facilities 44 Pa.B. 1317 (March 8, 2014) | 04/07/14 | 05/07/14 |

Philadelphia Parking Authority

Regulation #126-8 (IRRC #3048)

Taxicab Safety Cameras

May 7, 2014

We submit for your consideration the following comments on the proposed rulemaking published in the March 8, 2014 *Pennsylvania Bulletin*. Our comments are based on criteria in Section 5.2 of the Regulatory Review Act (71 P. S. § 745.5b). Section 5.1(a) of the Regulatory Review Act (71 P. S. § 745.5a(a)) directs the Philadelphia Parking Authority (PPA) to respond to all comments received from us or any other source.

1. Section 1017.74. Safety Camera Requirements.— Protection of the public health, safety and welfare; Reasonableness; Clarity; Need; Economic impact.

Safety camera images

We have three concerns. First, a commentator raises concerns that there may be a potential infringement of individuals' Constitutional privacy rights under the Fourth Amendment regarding the images captured on the interior and exterior of the taxicab. The commentator asks that these issues be addressed before the regulations are adopted. PPA should explain how the proposed rulemaking is lawful and how it does not intrude on the constitutional right to privacy.

Second, Paragraph (f)(1) requires "... a number of cameras sufficient to record: (1) The entire interior of the taxicab, including the faces of all occupants." In the Preamble, PPA states it wants to avoid dictating a specific number of cameras because improving technology might allow the use of fewer cameras. We question the broad language that requires sufficient cameras to record the "entire" interior of the taxicab. The use of the word "entire" might require extra cameras to record extraneous images, such as images of the ceiling and floor of the

taxicab. We recommend rewriting this paragraph to require specific images that are of value to identify people and criminal acts.

Third, protective shields between the front seat and the back seat of a taxicab are currently a "Standard taxicab vehicle requirement" under existing 52 Pa. Code § 1017.5(b)(12). A commentator believes it will be difficult, if not impossible, to create a 360 degree view of the interior of the cab with the protective shield in place (and the commentator supports the use of protective shields). PPA should explain how a taxicab can comply with both the existing requirements for protective shields required by 52 Pa. Code § 1017.5(b)(12) and the requirements for safety cameras proposed in Subsection (f).

Distress button

A commentator supports safety cameras, but expressed a concern that taxicab drivers want the distress button linked to the police. Subsections (g) and (h) state where transmission of the video must go. In addition, cross-referenced Paragraph 1017.24(d)(8) requires a meter to have "A distress button that can be easily activated by a driver to silently communicate to the dispatcher the need for emergency assistance." While these provisions address notice of an emergency and video documentation of a crime, the regulation is not clear regarding when the police will be notified of the emergency so that they can respond to the driver's need for emergency assistance. When a taxicab driver communicates the need for emergency assistance, does that communication also go directly to the police with the information needed to respond to the location of the driver in distress? If not, how does the regulation sufficiently protect the driver in distress?

Safety camera system to work in conjunction with the meter system

Subsection (b) requires the safety camera system to work in conjunction with the approved meter system. A

commentator states there is no need for safety cameras to work with the meter system. We ask PPA to explain why Subsection (b) is needed.

2. Economic impact.

In response to Regulatory Analysis Form Question 15, PPA estimates that owners will incur a cost of approximately \$1,510 to acquire and install a camera system and \$240 in annual operation and maintenance costs. Commentators expressed the following in regard to cost:

- A commentator supporting the regulation estimates the cost of safety cameras at no more than \$400 to \$500.
- PPA did not provide enough explanation of the cost of a safety camera system.
- Requiring the safety camera system to work in conjunction with the meters will force drivers to buy cameras from only a handful of individuals.

We ask PPA to provide costs for more than one camera system to establish a range of costs for camera systems that will provide reliable performance to meet the goals of this regulation. These costs should delineate the cost to link the camera system to the distress button in the taxicab. We also ask PPA to explain how the number of safety camera systems that meet the requirements of the regulation will be enough to encourage price competition. Finally, we ask PPA to explain the cost to dispatchers to comply with Paragraph 1019.8(17).

Department of Drug and Alcohol Programs

Regulation #74-1 (IRRC #3049)

Standards for Licensure of Freestanding Treatment Facilities

May 7, 2014

We submit for your consideration the following comments on the proposed rulemaking published in the March 8, 2014 *Pennsylvania Bulletin*. Our comments are based on criteria in Section 5.2 of the Regulatory Review Act (RRA) (71 P. S. § 745.5b). Section 5.1(a) of the RRA (71 P. S. § 745.5a(a)) directs the Department of Drug and Alcohol Programs (DDAP) to respond to all comments received from us or any other source.

1. Conforms to the intention of the General Assembly; Determining whether the regulation is in the public interest; Clarity and lack of ambiguity; Implementation procedures.

Act 50 of 2010 (Act 50) created DDAP, and Section 13 of Act 50 transferred all regulations related to drug or alcohol abuse from the Department of Health to DDAP. This proposed regulation is DDAP's first modification of the regulations formerly under the Department of Health.

In the first sentence of the Preamble, DDAP identifies itself as the "Department." A reader is likely to assume that any reference to Department in the proposed regulation is a reference to DDAP. In reviewing existing Chapter 701, we find that Department is defined as "The Department of Health of the Commonwealth." The proposed regulation does not include definitions. Terms such as program and project which are used in the proposed regulation are already defined in Chapter 701 (relating to general provisions).

Given this most basic issue regarding which department is being referred to in the proposed regulation, we have grave concerns regarding the clarity of the regulation as proposed, and whether the regulation as proposed conforms to the intention of the General Assembly. Given that the General Assembly carved out drug and alcohol abuse programs from the Department of Health and transferred authority to DDAP, DDAP should follow

through on the powers and duties authorized under Act 50. We strongly recommend that DDAP take appropriate action to modify, repeal or supersede existing regulations as necessary to ensure clarity within this proposed regulation and any future proposed regulations.

In furtherance of the intention of the General Assembly and as an additional point of clarity, we recommend that DDAP seek to change the title of Part V to "Department of Drug and Alcohol Programs" to avoid confusion and to more clearly distinguish DDAP's regulations from those of Department of Health.

2. Determining whether the regulation is in the public interest; Economic or fiscal impacts; Compliance with the Regulatory Review Act.

Section 5.2 of the RRA directs this Commission to determine whether a regulation is in the public interest. When making this determination, the Commission considers criteria such as economic or fiscal impact and reasonableness. To make that determination, the Commission must analyze the text of the Preamble and proposed regulation, as well as the reasons for the new or amended language. The Commission also considers the information a promulgating agency is required to provide under Section 5 of the RRA in the Regulatory Analysis Form (RAF) (71 P. S. § 745.5(a)).

The explanation of the regulation in the Preamble and RAF is not sufficient to allow this Commission to determine if the regulation is in the public interest. DDAP did not provide the rationale for the proposed amendments. For example, DDAP did not explain why:

- Requirements related to project goals and objectives are being removed from Section 709.23;
- Requirements for written agreements for 24-hour emergency psychiatric and medical coverage are being removed from Section 709.24; or
- Nearly all references to personnel policies, procedures, records and rights are being removed from Section 709.26.

In the Preamble and RAF submitted with the final-form regulation, DDAP should provide a description of the amendments proposed for each section of the regulation and explain in detail why the amendments are needed.

Similarly, the information contained in the RAF is not sufficient to allow the Commission to determine if the regulation is in the public interest. For example:

- Why is the regulation needed? (#10) DDAP's statement that the amended regulation "is needed to streamline DDAP's review of drug and alcohol facilities" is insufficient given the volume of proposed deletions and additions to the regulation.
- What type of and how many small businesses will be affected? (#15) DDAP should include a citation to the relevant provisions of the federal definition of small business that were reviewed in the development of the rulemaking and an analysis of their applicability/inapplicability to the regulation.
- Who are the persons, groups or entities, including small businesses, that will be required to comply with the regulation? (#16) DDAP should include an approximate number that will be required to comply.
- Why does DDAP believe that the information requested under #23 and #23a is not applicable to this regulation? We ask for complete responses to these questions.

We ask DDAP to provide more detailed information in the RAF and Preamble submitted with the final-form regulation as required under Section 745.5(a) of the RRA.

3. Section 709.26. Personnel management.—Clarity and lack of ambiguity; Implementation procedures.

DDAP proposes to amend Subsection (a) to require that personnel policies and procedures are in compliance with State and Federal employment laws. DDAP's amended language states: "These laws include, but are not limited to: (1) Utilization of volunteers. (2) Rules of conduct. (3) Supervision of staff. (4) Orientation of new employees." Is it DDAP's intent to state that the laws include these four items? We ask DDAP to revise and clarify the intent of this subsection.

4. Section 709.31. Data Collection System.—Clarity and lack of ambiguity; Implementation procedures.

DDAP proposes to amend Subsection (b) to state, "Verbal orders for medication can be given only by a physician or other medical professional authorized by State and Federal law to prescribe medication and verbal orders may be received only by another physician, pharmacist or nurse, or medical professional authorized by State and Federal law to receive verbal orders." The Pennsylvania Society of Physician Assistants (PSPA) states that in its experience, regulations that do not specifically list physician assistants are frequently misinterpreted and challenged for a physician assistant's ability to perform a particular task or procedure. PSPA requests that physician assistants specifically be named in the regulation. We agree that the proposed language relating to giving and receiving verbal orders to prescribe medication is vague and recommend that DDAP revise this language to specify which medical professionals are permitted to give and receive verbal orders for medication.

5. Miscellaneous clarity.

The *Pennsylvania Code & Bulletin Style Manual* (Fifth Edition) requires in Section 6.16 that agencies avoid the phrase "includes, but is not limited to" and use "includes" instead. The phrase "includes, but is not limited to" or a variation thereof appears frequently throughout the proposed regulation. DDAP should revise the final-form regulation in accordance with the style requirements of the *Pennsylvania Code & Bulletin Style Manual*.

JOHN F. MIZNER, Esq.,
Chairperson

[Pa.B. Doc. No. 14-1064. Filed for public inspection May 16, 2014, 9:00 a.m.]

INSURANCE DEPARTMENT

General Guidance for Disclosure of Prescribed Differences from NAIC Statutory Accounting Principles; No. 2014-05

This document supersedes the notice published at 39 Pa.B. 6849 (November 28, 2009) and shall remain in effect until a subsequent notice is published in the *Pennsylvania Bulletin*.

By Insurance Department Notice Nos. 1998-04 and 2000-02, all types of domestic insurers were advised of the requirement to adhere to the NAIC's codified *Account-*

ing Practices and Procedures Manual (Manual) in preparing financial statements to be filed with the Insurance Department (Department). The Manual establishes a comprehensive basis of accounting to be adhered to when not in conflict with the statutes or regulations of an insurer's domiciliary state or when the domiciliary state's statutes and regulations are silent. It does not preempt the legislative or regulatory authority of the states.

The Department has identified the following Pennsylvania laws and regulations relating to statutory financial statement presentation that may require disclosure¹ in the notes to financial statements and certified public accountant (CPA) audit reports filed by domestic insurers:

| | |
|---|--|
| <i>Pennsylvania Laws and Regulations</i> | <i>NAIC Statements of Statutory Accounting Principles (SSAP) and Appendices</i> |
| 31 Pa. Code § 161.6 (relating to revocation of reinsurer qualification or certification) | A-785 Credit for Reinsurance (9.e.) |
| Section 1008 of The Insurance Company Law of 1921 (40 P. S. § 968), regarding reserves of reciprocal and inter-insurance exchanges | SSAP No. 53 Property Casualty Contracts—Premiums |
| 31 Pa. Code Chapter 84a (relating to minimum reserve standards for individual and group health and accident insurance contracts) | SSAP No. 54 Individual and Group Accident and Health Contracts and A-010 Minimum Reserve Standards for Individual and Group Health Insurance Contracts |
| Sections 714—716 of The Insurance Company Law of 1921 (40 P. S. §§ 910-14—910-16), regarding unearned premium reserves of title insurance companies | SSAP No. 57 Title Insurance and A-628 Title Insurance |
| 31 Pa. Code Chapter 116 (relating to discounting of worker's compensation loss reserves) | SSAP No. 55 Unpaid Claims, Losses and Loss Adjustment Expenses and No. 65 Property and Casualty Contracts |
| Section 661 of The Insurance Company Law of 1921 (40 P. S. § 832), regarding premium reserves of surety companies | SSAP No. 53 Property Casualty Contracts—Premiums |
| Section 2434(d) of The Insurance Company Law (40 P. S. § 991.2434(d)), regarding payment of deficiencies for fraternal benefit societies | SSAP No. 4—Definitions of Assets and Non-admitted Assets |

This notice provides general guidance to assist in a domestic insurer's review of Pennsylvania laws and regulations to identify required disclosures in financial statements and CPA audit reports. The laws and regulations

¹ See SSAP No. 1, Disclosure of Accounting Policies, Risks & Uncertainties, and Other Disclosures and A-205, Illustrative Disclosure of Differences Between NAIC Statutory Accounting Practices and Procedures and Accounting Practices Prescribed or Permitted by the State of Domicile.

referenced in this notice are not intended to be an all-inclusive list.

Questions concerning this notice may be directed to Stephen J. Johnson, CPA, Deputy Insurance Commissioner, Insurance Department, Office of Corporate and Financial Regulation, 1345 Strawberry Square, Harrisburg, PA 17120, (717) 783-2142, fax (717) 787-8557, stjohanson@pa.gov.

MICHAEL F. CONSEDINE,
Insurance Commissioner

[Pa.B. Doc. No. 14-1065. Filed for public inspection May 16, 2014, 9:00 a.m.]

Pennsylvania Professional Liability Joint Underwriting Association Rate and Rule Notice; Rate Filing

On May 1, 2014, the Insurance Department (Department) received notice from the Pennsylvania Professional Liability Joint Underwriting Association that it does not intend to make any revisions to its rates and rules for health care providers.

A copy of the notice and the actuarial documentation which accompanied the notice are available on the Department's web site at www.insurance.pa.gov. Under the tab "How to Find . . ." click on "PA Bulletin."

Interested parties are invited to submit written comments, suggestions or objections to Eric Zhou, Insurance Department, Insurance Product Regulation, 1311 Strawberry Square, Harrisburg, PA 17120, gzhou@pa.gov within 30 days after publication of this notice in the *Pennsylvania Bulletin*.

MICHAEL F. CONSEDINE,
Insurance Commissioner

[Pa.B. Doc. No. 14-1066. Filed for public inspection May 16, 2014, 9:00 a.m.]

LEGISLATIVE REFERENCE BUREAU

Documents Filed But Not Published

The Legislative Reference Bureau (Bureau) accepted the following documents during the preceding calendar month for filing without publication under 1 Pa. Code § 3.13(b) (relating to contents of *Bulletin*). The Bureau will continue to publish on a monthly basis either a summary table identifying the documents accepted during the preceding calendar month under this subsection or a statement that no documents have been received. For questions concerning or copies of documents filed, but not published, call (717) 783-1530.

Governor's Office

Manual 210.9—The Commonwealth of Pennsylvania General Records Retention and Disposition Schedule, Amended April 8, 2014.

Management Directive No. 530.8—Motor Vehicle Financial Responsibility Law, Amended April 25, 2014.

Management Directive No. 570.1—Mandatory Membership in the State Employees' Retirement System, Amended April 7, 2014.

Management Directive No. 570.5—Employer Contributions Required on the Purchase of Previously Uncredited State Service, Amended April 7, 2014.

Management Directive No. 570.6—Optional Membership in the State Employees' Retirement System, Amended April 7, 2014.

Management Directive No. 570.8—Reinstatement of Terminated Employees Into the State Employees' Retirement System, Amended April 7, 2014.

Management Directive No. 570.9—Reinstatement of Furloughed or Otherwise Terminated and Reemployed Employees in the State Employees' Retirement System, Amended April 7, 2014.

Management Directive No. 570.11—Amending Data in Retirement and Personnel/Payroll Systems and Collecting Arrears Balances, Amended April 7, 2014.

Management Directive No. 507.12—Furloughed State Employees Retirement System Members' Right to Earn Interest on Member Contributions, Amended April 7, 2014.

Management Directive No. 570.13—State Employees' Retirement System, Regional Counseling Centers, Amended April 7, 2014.

Management Directive No. 570.14—Deferred Compensation Program, Amended April 7, 2014.

Management Directive No. 570.15—Reporting Potential Public Employee Pension Forfeiture Crimes to the State Employees' Retirement System, Amended April 7, 2014.

Management Directive No. 570.16—State Employees' Retirement System, Duties of Departments and Agencies, Dated April 7, 2014.

Administrative Circular No. 14-04—Closing Instruction No. 2, Fiscal Year 2013-14; Pre-closing at May 12, 2014, Dated April 16, 2014.

Administrative Circular No. 14-05—Closing Instruction No. 3, Fiscal Year 2013-14; Prior Fiscal Year Appropriations Subject to Act 146 Waivers and Encumbrances Carried Forward From Prior Fiscal Years (Including Contracted Repairs), Dated April 16, 2014.

Administrative Circular No. 14-06—Approval of 2014-15 Advancement Accounts and Completion of Form STD-133, Request for Approval of Advancement Account, Dated April 22, 2014.

Administrative Circular No. 14-07—Reminder of Upcoming Changes Resulting from the Treasury Department Information Technology System Conversion, Dated April 22, 2014.

LAURA CAMPBELL,
Director
Pennsylvania Code and Bulletin

[Pa.B. Doc. No. 14-1067. Filed for public inspection May 16, 2014, 9:00 a.m.]

PENNSYLVANIA PUBLIC UTILITY COMMISSION

Service of Notice of Motor Carrier Applications

The following temporary authority and/or permanent authority applications for the right to render service as a common carrier or contract carrier in this Commonwealth have been filed with the Pennsylvania Public Utility Commission. Formal protests and petitions to intervene must be filed in accordance with 52 Pa. Code (relating to public utilities). A protest shall indicate whether it applies to the temporary authority application, the permanent authority application, or both. Filings must be made

with the Secretary, Pennsylvania Public Utility Commission, P. O. Box 3265, Harrisburg, PA 17105-3265, with a copy served on the applicant by June 2, 2014. Documents filed in support of the applications are available for inspection and copying at the Office of the Secretary between 8 a.m. and 4:30 p.m., Monday through Friday, and at the business address of the respective applicant.

Application of the following for approval to begin operating as common carriers for transportation of persons as described under the application.

A-2014-2412421. Pluv's Service, LLC, t/a Pluv's Service (1114 Allan Clair Circle, Pittsburgh, PA 15241) for the right to begin to transport as a common carrier, by motor vehicle, persons in limousine service, from points in Allegheny County to points in Pennsylvania, and return. *Attorney:* Joseph L. Luvara, Dickie, McCamey & Chilcote, P.C., Two PPG Place, Suite 400, Pittsburgh, PA 15222-5402.

Application of the following for approval of the additional right and privilege of operating motor vehicles as common carriers for transportation of persons as described under the application.

A-2014-2412420. Pluv's Service, LLC, t/a Pluv's Service (1114 Allan Clair Circle, Pittsburgh, PA 15241) for the additional right to begin to transport as a common carrier, by motor vehicle, persons in group and party service in vehicles seating 11-15 passengers, including the driver between points in Allegheny County to points in Pennsylvania, and return. *Attorney:* Joseph L. Luvara, Dickie, McCamey & Chilcote, P.C., Two PPG Place, Suite 400, Pittsburgh, PA 15222-5402.

ROSEMARY CHIAVETTA,
Secretary

[Pa.B. Doc. No. 14-1068. Filed for public inspection May 16, 2014, 9:00 a.m.]

Service Price Index to Offset Tax Rate Charges

P-2014-2420088. Hickory Telephone Company. Petition of Hickory Telephone Company seeking confirmation that they may use the service price index component of the price cap formula set forth in their Chapter 30 Plans to offset charge in the tax rates as tracked by the State Tax Adjustment Surcharge.

Answers and petitions to intervene must be filed on or before Monday, June 2, 2014. In accordance with 52 Pa. Code §§ 5.61 and 5.74 (relating to answers to complaints, petitions, motions and preliminary objections; and filing of petitions to intervene), filings must be made with the Secretary of the Pennsylvania Public Utility Commission, P. O. Box 3265, Harrisburg, PA 17105-3265, with a copy served on the petitioner. The documents filed in support of the petition are available for inspection and copying at the Pennsylvania Public Utility Commission's (Commission) Secretary's Bureau between 8 a.m. and 4:30 p.m., Monday through Friday, on the Commission's web site at www.puc.pa.gov and at the petitioners business address.

Petitioner: Hickory Telephone Company

Through and By Counsel: Charles E. Thomas, III, Thomas, Long, Niesen & Kennard, 212 Locust Street, Suite 500, P. O. Box 9500, Harrisburg, PA 17108-9500

ROSEMARY CHIAVETTA,
Secretary

[Pa.B. Doc. No. 14-1069. Filed for public inspection May 16, 2014, 9:00 a.m.]

Service Price Index to Offset Tax Rate Charges

P-2014-2420135. Lackawaxen Telephone Company. Petition of Lackawaxen Telephone Company seeking confirmation that they may use the service price index component of the price cap formula set forth in their Chapter 30 Plans to offset charge in the tax rates as tracked by the State Tax Adjustment Surcharge.

Answers and petitions to intervene must be filed on or before Monday, June 2, 2014. In accordance with 52 Pa. Code §§ 5.61 and 5.74 (relating to answers to complaints, petitions, motions and preliminary objections; and filing of petitions to intervene), filings must be made with the Secretary of the Pennsylvania Public Utility Commission, P. O. Box 3265, Harrisburg, PA 17105-3265, with a copy served on the petitioner. The documents filed in support of the petition are available for inspection and copying at the Pennsylvania Public Utility Commission's (Commission) Secretary's Bureau between 8 a.m. and 4:30 p.m., Monday through Friday, on the Commission's web site at www.puc.pa.gov and at the petitioners business address.

Petitioner: Lackawaxen Telephone Company

Through and By Counsel: Charles E. Thomas, III, Thomas, Long, Niesen & Kennard, 212 Locust Street, Suite 500, P. O. Box 9500, Harrisburg, PA 17108-9500

ROSEMARY CHIAVETTA,
Secretary

[Pa.B. Doc. No. 14-1070. Filed for public inspection May 16, 2014, 9:00 a.m.]

Service Price Index to Offset Tax Rate Charges

P-2014-2420108. The North-Eastern Telephone Company. Petition of The North-Eastern Telephone Company seeking confirmation that they may use the service price index component of the price cap formula set forth in their Chapter 30 Plans to offset charge in the tax rates as tracked by the State Tax Adjustment Surcharge.

Answers and petitions to intervene must be filed on or before Monday, June 2, 2014. In accordance with 52 Pa. Code §§ 5.61 and 5.74 (relating to answers to complaints, petitions, motions and preliminary objections; and filing of petitions to intervene), filings must be made with the Secretary of the Pennsylvania Public Utility Commission, P. O. Box 3265, Harrisburg, PA 17105-3265, with a copy served on the petitioner. The documents filed in support of the petition are available for inspection and copying at the Pennsylvania Public Utility Commission's (Commission) Secretary's Bureau between 8 a.m. and 4:30 p.m., Monday through Friday, on the Commission's web site at www.puc.pa.gov and at the petitioners business address.

Petitioner: The North-Eastern Telephone Company

Through and By Counsel: Charles E. Thomas, III, Thomas, Long, Niesen & Kennard, 212 Locust Street, Suite 500, P. O. Box 9500, Harrisburg, PA 17108-9500

ROSEMARY CHIAVETTA,
Secretary

[Pa.B. Doc. No. 14-1071. Filed for public inspection May 16, 2014, 9:00 a.m.]

PHILADELPHIA REGIONAL PORT AUTHORITY

Request for Bids

The Philadelphia Regional Port Authority will accept sealed bids for Project No. 14-042.9, Berth Dredging at Tioga Marine Terminal, until 2 p.m. on Friday, May 30, 2014. Information (including mandatory prebid information) can be obtained from the web site www.philaport.com under Procurement or call (215) 426-2600.

JAMES T. McDERMOTT, Jr.,
Executive Director

[Pa.B. Doc. No. 14-1072. Filed for public inspection May 16, 2014, 9:00 a.m.]

STATE POLICE

Mobile Video Recording System Equipment Standards and Approved Mobile Video Recording Systems

The State Police, under 18 Pa.C.S. §§ 5704(16)(ii)(C) and 5706(b)(4) (relating to exceptions to prohibition of interception and disclosure of communications; and exceptions to prohibitions in possession, sale, distribution, manufacture or advertisement of electronic, mechanical or other devices), published at 44 Pa.B. 2147 (April 5, 2014) a notice of Mobile Video Recording System Equipment Standards and Approved Mobile Video Recording Systems for use until the next comprehensive list is published.

As an addendum to the listing of approved mobile video recording systems published at 44 Pa.B. 2147, the State Police, under the authority cited previously, has approved for use, until the next comprehensive list is published, subject to interim amendment, the following additional approved mobile video recording systems, which meet the minimum equipment standards published at 44 Pa.B. 2147:

Vehicle-Mounted Mobile Video Recording System:

DVM800, Digital Ally, Lenexa, KS

Non-Vehicle-Mounted Mobile Video Recording Systems:

FIRST Vu, Digital Ally, Lenexa, KS
FIRST Vu HD, Digital Ally, Lenexa, KS

Comments, suggestions or questions should be directed to State Police, Bureau of Patrol, Department Headquarters, 1800 Elmerton Avenue, Harrisburg, PA 17110.

COLONEL FRANK NOONAN,
Commissioner

[Pa.B. Doc. No. 14-1073. Filed for public inspection May 16, 2014, 9:00 a.m.]

SUSQUEHANNA RIVER BASIN COMMISSION

Commission Meeting

The Susquehanna River Basin Commission (Commission) will hold its regular business meeting on June 5, 2014, at 9 a.m. in the Lake Raystown Resort, Lodge and Conference Center, River Birch Ballroom, 3101 Chipmunk Crossing, Entriken, PA 16638. Details concerning the matters to be addressed at the business meeting are contained in the Supplementary Information section of this notice.

For further information contact Richard A. Cairo, General Counsel, (717) 238-0423, Ext. 1306, fax (717) 238-2436.

Supplementary Information

The business meeting will include actions or presentations on the following items: (1) informational presentation on the Raystown Lake project; (2) election of officers for Fiscal Year (FY) 2015; (3) settlement agreement pertaining to Federal Energy Regulatory Commission licensing of hydroelectric dams; (4) the proposed Water Resources Program for FY 2015 and FY 2016; (5) an American Eel Restoration Plan; (6) amending the Comprehensive Plan for the Water Resources of the Susquehanna River Basin; (7) amending the Commission's Records Processing Fee Schedule; (8) amending the Commission's Regulatory Program Fee Schedule; (9) adoption of a FY 2016 budget; (10) ratification/approval of contracts/grants; (11) regulatory compliance matters for Somerset Regional Water Resources, LLC; Susquehanna Gas Field Services, LLC; and Tioga Downs Racetrack, LLC; and (12) Regulatory Program projects. Projects, proposed amendments to fee schedules and amendments to the comprehensive plan listed for Commission action are those that were the subject of a public hearing conducted by the Commission on May 8, 2014, and identified in the notice for such hearing, which was published in 79 FR 20961 (April 14, 2014).

Opportunity to Appear and Comment

Interested parties are invited to attend the business meeting and encouraged to review the Commission's Public Meeting Rules of Conduct, which are posted on the Commission's web site at www.srbc.net. As identified in the public hearing notice referenced previously, written comments on the Regulatory Program projects, proposed amendments to fee schedules and amendments to the Comprehensive Plan that were the subject of the public hearing and are listed for action at the business meeting are subject to a comment deadline of May 19, 2014. Written comments pertaining to any other matters listed for action at the business meeting may be mailed to the Susquehanna River Basin Commission, 4423 North Front Street, Harrisburg, PA 17110-1788 or submitted electronically through <http://www.srbc.net/pubinfo/publicparticipation.htm>. Comments mailed or electronically submitted must be received by the Commission on or before May 30, 2014, to be considered.

Authority: Pub. L. 91-575, 84 Stat. 1509 et seq., 18 CFR Parts 806—808.

Dated: May 2, 2014.

ANDREW D. DEHOFF,
Executive Director

[Pa.B. Doc. No. 14-1074. Filed for public inspection May 16, 2014, 9:00 a.m.]

RULES AND REGULATIONS

Title 25—ENVIRONMENTAL PROTECTION

ENVIRONMENTAL QUALITY BOARD

[25 PA. CODE CH. 250]

Corrective Amendments to 25 Pa. Code §§ 250.306 and 250.307 and Appendix A, Tables 1, 3b, 5a and 5b

The Department of Environmental Protection has discovered discrepancies between the agency text of 25 Pa. Code §§ 250.306 and 250.307 and Appendix A, Tables 1, 3b, 5a and 5b, as deposited with the Legislative Reference Bureau, and the official text published at 41 Pa.B. 230 (January 8, 2011) and the official text currently appearing in the *Pennsylvania Code*. Amendments to 25

Pa. Code §§ 250.306 and 250.307 and Appendix A, Tables 1, 3b, 5a and 5b adopted at 41 Pa.B. 230 were incorrectly codified.

Therefore, under 45 Pa.C.S. § 901: The Department of Environmental Protection has deposited with the Legislative Reference Bureau a corrective amendment to 25 Pa. Code §§ 250.306 and 250.307 and Appendix A, Tables 1, 3b, 5a and 5b. The corrective amendment to 25 Pa. Code §§ 250.306 and 250.307 and Appendix A, Tables 1, 3b, 5a and 5b is effective as of March 5, 2011, the date the defective official text was announced in the *Pennsylvania Bulletin*.

The correct versions of 25 Pa. Code §§ 250.306 and 250.307 and Appendix A, Tables 1, 3b, 5a and 5b appear in Annex A, with ellipses referring to the existing text.

(*Editor's Note:* For a proposed rulemaking relating to this corrective amendment, see 44 Pa.B. 2980 (May 17, 2014).)

Annex A

TITLE 25. ENVIRONMENTAL PROTECTION

PART I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

Subpart D. ENVIRONMENTAL HEALTH AND SAFETY

ARTICLE VI. GENERAL HEALTH AND SAFETY

CHAPTER 250. ADMINISTRATION OF LAND RECYCLING PROGRAM

Subchapter C. STATEWIDE HEALTH STANDARDS

§ 250.306. Ingestion numeric values.

* * * * *

(d) The default exposure assumptions used to calculate the ingestion numeric values are as follows:

| Term | Residential | | Nonresidential (Onsite Worker) | |
|-----------|------------------------|----------------------------|-----------------------------------|---|
| | Systemic ¹ | Carcinogens ^{2,6} | | |
| THQ | Target Hazard Quotient | 1 | N/A | 1 |
| * * * * * | | | | |

§ 250.307. Inhalation numeric values.

* * * * *

(g) For a regulated substance which is a carcinogen and is a volatile compound, the numeric value for the inhalation of volatiles from groundwater shall be calculated by using the appropriate residential or nonresidential exposure assumptions from subsection (h) according to the following equations:

(1) For regulated substances not identified as a mutagen in § 250.301(b):

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/year}}{IUR \times ET \times EF \times ED \times TF \times CF}$$

* * * * *

APPENDIX A
 TABLE 1—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | | | | | NON-USE AQUIFERS | | | |
|--|-----------|---------------|---|--------|---|-----------|------------|-----------|---|-----------|---|------------------|----|-----------|---|
| | | TDS ≤ 2500 | | | | | TDS > 2500 | | | | | R | NR | | |
| | | R | * | * | * | * | R | * | * | * | * | | | | |
| CRESOLS | 1319-77-3 | 180 | G | 510 | G | 18,000 | G | 51,000 | G | 18,000 | G | 18,000 | G | 51,000 | G |
| DICHLOROBENZENE, 1,3- | 541-73-1 | 600 | H | 600 | H | 60,000 | H | 60,000 | H | 60,000 | H | 60,000 | H | 60,000 | H |
| ETHYLENE GLYCOL | 107-21-1 | 14,000 | H | 14,000 | H | 1,400,000 | H | 1,400,000 | H | 1,400,000 | H | 1,400,000 | H | 1,400,000 | H |
| FLUOMETURON (FLUOMETRON IN EPA FEB 96) | 2164-17-2 | 90 | H | 90 | H | 9,000 | H | 9,000 | H | 9,000 | H | 90 | H | 90 | H |
| POLYCHLORINATED BIPHENYLS (PCBS) | 1336-36-3 | 0.5 | M | 0.5 | M | 50 | M | 50 | M | 50 | M | 0.5 | M | 0.5 | M |

All concentrations in µg/L. M = Maximum Contaminant Level
 R = Residential H = Lifetime health advisory level
 NR = Non-Residential G = Ingestion
 N = Inhalation
 S = Aqueous solubility cap

APPENDIX A
 TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | Non-Use Aquifers | | | | | | Soil Buffer Distance (feet) |
|--|----------|---------------|---------------|----------------|---------------|--------------|----------------|------------------|---------------|----------------|----------------|--------------|----------------|-----------------------------|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | Residential | | | Nonresidential | | | |
| | | Residential | | Nonresidential | Residential | | Nonresidential | Residential | | Nonresidential | Residential | | Nonresidential | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | |
| CRESOL, O- (2-METHYLPHENOL) | 95-48-7 | 180 | 30 E | 510 | 85 E | 18,000 | 3,000 E | 51,000 | 8,500 E | 18,000 | 3,000 E | 51,000 | 8,500 E | NA |
| | 108-39-4 | 180 | 36 E | 510 | 100 E | 10,000 | 3,600 E | 10,000 | 10,000 C | 10,000 | 10,000 C | 10,000 | 10,000 C | NA |
| | 106-44-5 | 18 | 4.2 E | 51 | 12 E | 1,800 | 420 E | 5,100 | 1,200 E | 18,000 | 4,200 E | 51,000 | 12,000 E | NA |
| DICHLOROPROPIONIC ACID, 2,2- (DALAPON) | 75-99-0 | 20 | 5.3 E | 20 | 5.3 E | 2,000 | 530 E | 2,000 | 530 E | 2,000 | 530 E | 2,000 | 530 E | NA |
| | 81-81-2 | 1.1 | 2.6 E | 3.1 | 7.4 E | 110 | 260 E | 310 | 740 E | 1,100 | 2,600 E | 1,700 | 4,100 E | 30 |

¹ For other options see § 250.308

All concentrations in mg/kg

E – Number calculated by the soil to groundwater equation in § 250.308

C – Cap

NA – The soil buffer distance option is not available for this substance

APPENDIX A
TABLE 5—PHYSICAL AND TOXICOLOGICAL PROPERTIES
A. Organic Regulated Substances

| Regulated Substance | CAS | RfDo (mg/kg-d) | CSfD (mg/kg-d) ¹ | RfCi (mg/m ³) | IUR (µg/m ³) ¹ | Koc (L/KG) | VOC? | Aqueous Sol (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ¹) |
|--|------------|-------------------|--------------------------------|------------------------------|--|---------------|------|-----------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|--|
| BENZO[GHI]PERYLENE | 191-24-2 | 0.06 | S | | | 2,800,000 | | 0.00026 | 1,5,6 | | | | 500 | 0.19 |
| CARBON DISULFIDE | 75-15-0 | 0.1 | I | 0.7 | I | 300 | X | 2,100 | 1,2,3 | 13,100 | 15,100 | X | 46 | |
| CHLORODIFLUOROMETHANE | 75-45-6 | | | 50 | I | 59 | X | 2,899 | 4 | 13,200 | 15,000 | X | -41 | |
| DICHLOROPROPIONIC ACID, 2,2- (DALAPON) | 75-99-0 | 0.03 | I | | | 62 | X | 500,000 | 5 | 13,000 | 14,900 | X | 190 | 2.11 |
| ENDOSULFAN I (ALPHA) | 959-98-8 | 0.006 | S | | | 2,000 | | 0.5 | 6 | | | | 401 | |
| ENDOSULFAN II (BETA) | 33213-65-9 | 0.006 | S | | | 2,300 | | 0.45 | 6 | | | | 390 | |

¹ Aqueous solubility references are keyed to the numbered list found at § 250.304(f). Where there are multiple sources cited, the table value is the median of the values in the individual references.

Toxicity Value Sources:

- C = California EPA Cancer Potency Factor
- D = ATSDR Minimal Risk Level
- H = Health Effects Assessment Summary Table (HEAST)
- I = Integrated Risk Information System (IRIS)
- M = EPA Drinking Water Regulations and Health Advisories
- N = EPA NCEA Provisional Values
- P = EPA Provisional Peer-Reviewed Toxicity Value
- S = surrogate
- T = TEF
- TE = TERA ITER Peer-Reviewed Value

APPENDIX A
TABLE 5—PHYSICAL AND TOXICOLOGICAL PROPERTIES
B. Inorganic Regulated Substances

| <i>Regulated Substance</i> | <i>CAS</i> | <i>RfDo</i> (mg/kg-d) | <i>CSFo</i> (mg/kg-d) ⁻¹ | <i>RfCi</i> (mg/m ³) ⁻¹ | <i>IUR</i> (ug/m ³) ⁻¹ | <i>Kd</i> |
|----------------------------|------------|--------------------------|--|---|--|-----------|
| BARIUM AND COMPOUNDS | 7440-39-3 | 0.2 | I | 0.0005 | H | 41 |
| FLUORIDE | 16984-48-8 | 0.04 | C | 0.013 | C | |

Toxicity Value Sources:

- C = California EPA Cancer Potency Factor
- D = ATSDR Minimal Risk Level
- H = Health Effects Assessment Summary Table (HEAST)
- I = Integrated Risk Information System (IRIS)
- P = EPA Provisional Peer-Reviewed Toxicity Value
- s = surrogate

[Pa.B. Doc. No. 14-1075. Filed for public inspection May 16, 2014, 9:00 a.m.]

PROPOSED RULEMAKING

ENVIRONMENTAL QUALITY BOARD

[25 PA. CODE CH. 250]

Administration of the Land Recycling Program

The Environmental Quality Board (Board) proposes to amend Chapter 250 (relating to administration of Land Recycling Program). The proposed rulemaking is intended to update the Statewide health standards based on current science, to correct errors and omissions, and to state how to provide to the Department of Environmental Protection (Department) information about notification that remediators are required to provide to municipalities and the public.

This proposed rulemaking was adopted by the Board at its meeting of February 18, 2014.

A. *Effective Date*

This proposed rulemaking will go into effect upon final-form publication in the *Pennsylvania Bulletin*.

B. *Contact Persons*

For further information contact Troy Conrad, Program Manager, Land Recycling Program, P. O. Box 8471, Rachel Carson State Office Building, Harrisburg, PA 17105-8471, (717) 783-7816; or Robert "Bo" Reiley, Assistant Counsel, Bureau of Regulatory Counsel, Rachel Carson State Office Building, P. O. Box 8464, Harrisburg, PA 17105-8464, (717) 787-7060. Information regarding submitting comments on this proposed rulemaking appears in Section J of this preamble. Persons with a disability may use the AT&T Relay Service by calling (800) 654-5984 (TDD users) or (800) 654-5988 (voice users). This proposed rulemaking is available electronically on the Department's web site at www.dep.state.pa.us (DEP Search/Keyword: Environmental Quality Board).

C. *Statutory Authority*

The proposed rulemaking is being made primarily under the authority of sections 104(a) and 303(a) of the Land Recycling and Environmental Remediation Standards Act (act) (35 P. S. §§ 6026.104(a) and 6026.303(a)). Section 303(a) of the act directs the Board to promulgate Statewide health standards for regulated substances for each environmental medium, and the methods used to calculate the standards. Section 104(a) of the act authorizes the Board to adopt and amend regulations that may be needed to implement the act.

D. *Background and Purpose*

Section 250.11 (relating to periodic review of MSCs) requires the Department to review new scientific information that is used to calculate Medium-Specific Concentrations (MSC) used to demonstrate the Statewide health standard, and propose appropriate changes at least every 36 months. These changes serve the public as they are based on the most up-to-date health and scientific information. In addition, the changes in requirements serve the public and regulated community as they provide clear information on what is required to clean up contaminated sites. The proposed rulemaking was reviewed by the Cleanup Standards Scientific Advisory Board (CSSAB). The proposed rulemaking was discussed and supported

unanimously, with one exception and one comment, at the CSSAB meeting on October 23, 2013.

E. *Summary of Regulatory Requirements*

§ 250.5. *Public notice by applicant*

Proposed amendments to this section would add the requirement that documented proof of the mailing of municipal notices and the arranging for publication of newspaper notices that are required under the act be submitted at the time the Notice of Intent to Remediate (NIR), plan or report is submitted to the Department. This will assure that the municipality and the public are notified of the NIR, plan or report in a timely fashion.

§ 250.7. *Fees*

Proposed amendments to this section would clarify that the Department may waive the fee for resubmission of a plan or report if the resubmission is related to correcting minor administrative or technical deficiencies.

§ 250.301. *Scope*

Proposed amendments to this section would add certain regulated substances to the list of substances classified as mutagens based on recently published scientific information.

§ 250.304. *MSCs for groundwater*

Prior to the January 2011 edition of the Drinking Water Standards and Health Advisories, the United States Environmental Protection Agency (EPA) Office of Water Publication No. EPA 820-R-11-002 (January 2011), when the EPA published both a Lifetime Health Advisory Level (HAL) and a 10^{-4} Cancer Risk concentration for a chemical, the Lifetime HAL concentration included an adjustment for cancer risk. Starting with the January 2011 edition of the Drinking Water Standards and Health Advisories, the EPA changed its Cancer Classification system and started publishing Lifetime HALs that did not include adjustments for cancer risk, even when a 10^{-4} Cancer Risk concentration was also published.

Proposed amendments to § 250.304(c) (relating to MSCs for groundwater) would clarify that a published Lifetime HAL concentration may not always be used as the MSC for substances that are designated as likely to be carcinogenic, if the Lifetime HAL does not include an adjustment for cancer risk. For these substances, a numeric value would be calculated based on the equations in §§ 250.306 and 250.307 (relating to ingestion numeric values; and inhalation numeric values). In that situation, the MSC would be the lower of the Lifetime HAL and the calculated value.

Proposed amendments to § 250.304(g) would include additional references regarding the determination of solubility values.

§ 250.306. *Ingestion numeric values*

Due to new information about the toxicology of trichloroethylene (TCE), proposed amendments to this section would add values for oral cancer slope factors for TCE and revise the formula for calculating the MSC for TCE.

Due to new information published by the EPA in the *Exposure Factors Handbook 2011 Edition*, EPA/600/R-09/052F, the average body weight and the associated ingestion factors would change.

§ 250.307. *Inhalation numeric values*

Due to new information relating to the toxicology of TCE, proposed amendments to this section would add values for inhalation unit risk for TCE and make changes to the formula for calculating the MSC for TCE.

Appendix A, Tables 1—6

Proposed amendments to Tables 1—4 would update the MSC for certain regulated substances. Information also would be updated on the “Physical and Toxicological Properties” tables and the “Threshold of Regulation Compounds” table.

F. Benefits, Costs and Compliance

Benefits

Consistent with § 250.11, the Department needs to update MSCs on a timely basis to assure that environmental response actions at contaminated sites are remediated using current scientific research and principles. This will ensure the protection of public health and the environment where it has been determined that lower MSCs for regulated substances are protective. This will also avoid unnecessary expense for those remediating property where it has been determined that higher MSCs for regulated substances are protective.

Compliance costs

This proposed rulemaking will affect owners, operators and purchasers of properties and facilities who volunteer, or are required to perform, remediation of contaminated sites. The proposed amendments are not expected to add any significant costs to the cleanup of contaminated sites under the act. Some cleanup standard concentration values will be lower and some will be higher. The net cost should be negligible.

Compliance Assistance Plan

The Department will disseminate information concerning this rulemaking using the Department’s web site and e-mails to environmental consultants.

Paperwork requirements

Forms or reports are not required beyond those established by the act.

G. Pollution Prevention (if applicable)

During remediation of a contaminated site, potential sources of pollution are often removed to attain the standards in the act, thus eliminating or minimizing the potential for continued migration.

H. Sunset Review

These regulations will be reviewed in accordance with the sunset review schedule published by the Department to determine whether the regulations effectively fulfill the goals for which they were intended.

I. Regulatory Review

Under section 5(a) of the Regulatory Review Act (71 P.S. § 745.5(a)), on April 28, 2014, the Department submitted a copy of this proposed rulemaking and a copy of a Regulatory Analysis Form to the Independent Regulatory Review Commission (IRRC) and to the Chairpersons of the House and Senate Environmental Resources and Energy Committees. A copy of this material is available to the public upon request.

Under section 5(g) of the Regulatory Review Act, IRRC may convey any comments, recommendations or objections to the proposed rulemaking within 30 days of the close of the public comment period. The comments, recom-

mendations or objections must specify the regulatory review criteria which have not been met. The Regulatory Review Act specifies detailed procedures for review, prior to final publication of the rulemaking, by the Department, the General Assembly and the Governor of comments, recommendations or objections raised.

J. Public Comments

Interested persons are invited to submit written comments, suggestions or objections regarding the proposed rulemaking to the Board. Comments, suggestions or objections must be received by the Board by June 17, 2014. In addition to the submission of comments, interested persons may also submit a summary of their comments to the Board. The summary may not exceed one page in length and must also be received by the Board by June 17, 2014. The one-page summary will be distributed to the Board and available publicly prior to the meeting when the final-form rulemaking will be considered.

Comments, including the submission of a one-page summary of comments, may be submitted to the Board online, by mail or express mail as follows. Comments may be submitted online to the Board by accessing the Board’s Regulatory Comment System at <http://www.ahs.dep.pa.gov/RegComments>. If an acknowledgement of comments submitted online is not received by the sender within 2 business days, the comments should be retransmitted to the Board to ensure receipt. Written comments should be mailed to the Environmental Quality Board, P. O. Box 8477, Harrisburg, PA 17105-8477. Express mail should be sent to the Environmental Quality Board, Rachel Carson State Office Building, 16th Floor, 400 Market Street, Harrisburg, PA 17101-2301. Comments submitted by facsimile will not be accepted.

E. CHRISTOPHER ABRUZZO,
Chairperson

(Editor’s Note: See 44 Pa.B. 2975 (May 17, 2014) for corrective amendments to §§ 250.306 and 250.307 and Appendix A, Tables 1, 3b, 5a and 5b).

Fiscal Note: 7-486. No fiscal impact; (8) recommends adoption.

Annex A

TITLE 25. ENVIRONMENTAL PROTECTION

PART I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

Subpart D. ENVIRONMENTAL HEALTH AND SAFETY

ARTICLE VI. GENERAL HEALTH AND SAFETY

CHAPTER 250. ADMINISTRATION OF LAND RECYCLING PROGRAM

Subchapter A. GENERAL PROVISIONS

§ 250.5. Public notice by applicant.

* * * * *

(e) Upon receipt of notice of a request for a nonuse aquifer designation, the municipality and community water supplier shall have 45 days to indicate to the Department and the mediator any information relevant to the requirements of § 250.303.

(f) Documented proof of the mailing of the municipal notices and arranging for the publication of newspaper notices, required under sections 302(e), 303(h), 304(n) and 305(c) of the act (35 P. S. §§ 6026.302(e), 6026.303(h), 6026.304(n) and 6026.305(c)), shall be submitted at the same time the NIR, plan or report is submitted to the Department. A copy of the letter to the municipality with a United States Postal Service certified mail receipt, PS Form No. 3800, will be accepted as proof of mailing. A copy of the published text of the newspaper notice and the publication date will be accepted as proof of arranging for publication.

§ 250.7. Fees.

* * * * *

(b) The Department will disapprove a plan or report that is submitted without the appropriate fee.

(c) The Department may waive the fee for resubmission of a plan or report if the resubmission is related to correcting minor administrative or technical deficiencies. The fee waiver is limited to the following:

(1) One time for each plan or report to correct administrative deficiencies if the corrections are made within 15 days of notice of the deficiencies by the Department.

(2) One time for each plan or report to correct technical deficiencies if the corrections are made within 60 days of notice of the deficiencies by the Department.

Subchapter C. STATEWIDE HEALTH STANDARDS

§ 250.301. Scope.

* * * * *

(b) This subchapter sets forth generic Statewide health standards for regulated substances determined by the EPA to be mutagens. Tables 1—4 contain Statewide health standards based upon the methodology for mutagens in §§ 250.306 and 250.307 (relating to ingestion numeric values; and inhalation numeric values) for the following substances classified as mutagens:

| <i>Regulated Substance</i> | <i>CAS Number</i> |
|---------------------------------------|-------------------|
| Acrylamide | 79-06-1 |
| Benzo[a]anthracene | 56-55-3 |
| Benzidine | 92-87-5 |
| Benzo[a]pyrene | 50-32-8 |
| Benzo[b]fluoranthene | 205-99-2 |
| Benzo[k]fluoranthene | 207-08-9 |
| Chromium (VI) | 18540-29-9 |
| Chrysene | 218-01-9 |
| Dibenzo[a,h]anthracene | 53-70-3 |
| Dibromo-3-chloropropane, 1,2- | 96-12-8 |
| Dichloromethane | 75-09-2 |
| Indeno[1,2,3-cd]pyrene | 193-39-5 |
| Methylene bis(2-chloroaniline), 4,4'- | 101-14-4 |
| Nitrosodiethylamine, N- | 55-18-5 |
| Nitrosodimethylamine, N- | 62-75-9 |
| Nitroso-N-ethylurea, N- | 759-73-9 |
| Trichloroethylene (TCE) | 79-01-6 |
| Trichloropropane, 1,2,3- | 96-18-4 |
| Vinyl chloride | 75-01-4 |

* * * * *

§ 250.304. MSCs for groundwater.

* * * * *

(c) The MSCs for regulated substances contained in groundwater in aquifers used or currently planned to be used for drinking water or for agricultural purposes [**is the MCL**] are the MCLs as established by the Department or the EPA [**as established**] in § 109.202 (relating to [**state**] State MCLs, MRDLs and treatment technique requirements) [**and Health Advisory Levels (HALs) set forth in Drinking Water Standards and Health Advisories, EPA Office of Water Publication No. EPA 822-R-09-011 (October, 2009)**]. For [**a regulated substance**] regulated substances where no MCL has been established, the [**MSC is the lifetime HAL for that compound.**] MSCs are the Lifetime Health Advisory Levels (HALs) set forth in Drinking Water Standards and Health Advisories (DWSHA), EPA Office of Water Publication No. EPA 822-S-12-001 (April 2012 or as revised), except for substances designated in the DWSHA with cancer descriptor (L) “Likely to be carcinogenic to humans” or (L/N) “Likely to be carcinogenic above a specific dose but not likely to be carcinogenic below that dose because a key event in tumor formation does not occur below that dose.” New or revised MCLs or HALs promulgated by the Department or the EPA shall become effective immediately for any demonstration of attainment completed after the date the new or revised MCLs or HALs become effective.

(1) For [**a regulated substance**] regulated substances where neither an MCL nor a lifetime HAL has been established and for substances designated in the DWSHA with cancer descriptor (L) or (L/N), the [**MSC is**] MSCs are the lowest concentration calculated using the appropriate residential and nonresidential exposure assumptions and the equations in §§ 250.306 and 250.307 (relating to ingestion numeric values; and inhalation numeric values). [**New or revised MCLs or HALs promulgated by the Department or the EPA shall become effective immediately for any demonstration of attainment completed after the date the new or revised MCLs or HALs become effective.**]

(2) If the Lifetime HAL for a substance designated in the DWSHA with cancer descriptor (L) or (L/N) is less than the MSC calculated paragraph (1), then the Lifetime HAL shall be the MSC.

(d) For regulated substances contained in aquifers not used or currently planned to be used, the MSCs in Appendix A, Tables 1 and 2 are calculated by the following:

* * * * *

(g) The references referred to in subsection (f) are:

* * * * *

(11) Mabey, et al. 1982, *Aquatic Fate Process Data for Organic Priority Pollutants*, SRI. EPA Contract Nos. 68-01-3867, 68-03-2981.

(12) Yalkowsky, S.H. and R.M. Dannenfelser. 1992. *Aquasol Database of Aqueous Solubility*. Version 5. College of Pharmacy, University of Arizona—Tucson, AZ. PC Version.

(13) Estimate from Log K_{ow} .

(14) Bennett, S.R., J.M. Bane, P.J. Benford and R.L. Pyatt. 1984. *Environmental Hazards of Chemical Agent Simulants*. CRDC-TR-84055, Aberdeen Proving Ground, MD.

(16) Monteil-Rivera, F., C. Groom and J. Hawari. 2003. Sorption and Degradation of Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine in Soil. *Environ. Sci. Technol.* 37:3878-3884.

(15) Munro, N.B. et al. 1999. The Sources, Fate, and Toxicity of Chemical Warfare Agent Degradation Products. *Environ. Health Perspect.* 107(12): 933-4.

(17) Seidell, A. 1941. *Solubilities of Organic Compounds*. New York, NY. D. Van Nostrand Co. Inc.

§ 250.306. Ingestion numeric values.

* * * * *

(b) For a regulated substance which is a carcinogen, the ingestion numeric value for that substance was calculated using the appropriate residential or nonresidential exposure assumptions from subsection (d) according to the following equations:

(1) For regulated substances not identified as a mutagen in § 250.301(b) (relating to scope):

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/year}}{CSF_o \times Abs \times EF \times IFadj \times CF}$$

(2) For regulated substances identified as a mutagen, except for vinyl chloride and trichloroethylene, in § 250.301(b):

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/year}}{CSF_o \times Abs \times EF \times AIFadj \times CF}$$

(3) For vinyl chloride:

$$MSC = \frac{TR}{[CSF_o \times Abs \times EF \times IFadj \times CF / (AT_c \times 365 \text{ days/year})] + (CSF_o \times Abs \times IR_c \times CF/BW_c)}$$

(4) For trichloroethylene:

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/yr}}{(CSF_{o_k} \times AIFadj + CSF_{o_1} \times IFadj) \times Abs \times EF \times CF}$$

(c) For a regulated substance that has both an oral reference dose and an oral cancer slope factor, the ingestion numeric value is the lower of the two numbers as calculated by the equations in subsections (a) and (b).

(d) The default exposure assumptions used to calculate the ingestion numeric values are as follows:

| Term | | Residential | | Nonresidential (Onsite Worker) |
|------------------|--|-----------------------|----------------------------|-----------------------------------|
| | | Systemic ¹ | Carcinogens ^{2,6} | |
| THQ | Target Hazard Quotient | 1 | N/A | 1 |
| RfD _o | Oral Reference Dose (mg/kg-day) | Chemical-specific | N/A | Chemical-specific |
| BW | Body Weight (kg) | 15 | N/A | [70] 80 |
| | Soil Groundwater | [70] 80 | | [70] 80 |
| AT _{nc} | Averaging Time for systemic toxicants (yr) | 6 | N/A | 25 |
| | Soil Groundwater | 30 | N/A | 25 |
| Abs | Absorption (unitless) ³ | 1 | 1 | 1 |
| EF | Exposure Frequency (d/yr) | 250 | 250 | 180 |
| | Soil Groundwater | 350 | 350 | 250 |
| ED | Exposure Duration (yr) | 6 | N/A | 25 |
| | Soil Groundwater | 30 | N/A | 25 |
| IngR | Ingestion Rate | 100 | N/A | 50 |
| | Soil (mg/day) GW (L/day) | 2 | N/A | 1 |
| CF | Conversion Factor | 1 x 10 ⁻⁶ | 1 x 10 ⁻⁶ | 1 x 10 ⁻⁶ |
| | Soil (kg/mg) GW (unitless) | 1 | 1 | 1 |
| TR | Target Risk | N/A | 1 x 10 ⁻⁵ | 1 x 10 ⁻⁵ |
| CSF _o | Oral Cancer Slope Factor (mg/kg-day) ⁻¹ | N/A | Chemical-specific | Chemical-specific |

| Term | | Residential | | Nonresidential (Onsite Worker) |
|--|---|-----------------------|--|-----------------------------------|
| | | Systemic ¹ | Carcinogens ^{2,6} | |
| AT _c | Averaging Time for carcinogens (yr) | N/A | 70 | 70 |
| [Ifadj ⁴] IFadj ⁴ | Ingestion Factor Soil (mg-yr/kg-day) GW (L-yr/kg day) | N/A | [57.1] 55 [1.1] 1 | [17.9] 15.6 [0.4] 0.3 |
| AIFadj ⁵ | Combined Age-Dependent Adjustment Factor and Ingestion Factor Soil (mg-yr/kg-day) GW (L-yr/kg-day) | N/A | [245] 241 [3.39] 3.23 | N/A |
| CSFo _k CSFo ₁ | TCE oral cancer slope factor for kidney cancer (mg/kg/day) ⁻¹ TCE oral cancer slope factor for non-Hodgkin lymphoma and liver cancer (mg/kg/day) ⁻¹ | | 9.3 x 10 ⁻³ 3.7 x 10 ⁻² | |
| * * * * * | | | | |

§ 250.307. Inhalation numeric values.

* * * * *

(b) For a regulated substance which is a carcinogen, the following apply:

(1) For a volatile compound, the numeric value for inhalation from soil was calculated using the appropriate residential or nonresidential exposure assumptions from subsection (d) according to the following equation using TF for volatiles:

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/year} \times 24 \text{ hr/day} \times TF}{IUR \times ET \times EF \times ED \times CF}$$

(2) For a regulated substance attached to particulates, the numeric value for inhalation from soil was calculated using the appropriate residential or nonresidential exposure assumptions from subsection (d) according to the equation in paragraph (1) using TF for particulates.

(3) For a regulated substance identified in § 250.301(b) (relating to scope) as a mutagen, except for vinyl chloride **and trichloroethylene**, the numeric value for inhalation from soil was calculated using the appropriate residential or nonresidential exposure assumptions from subsection (d) according to the following equation using the TF for volatiles **or particulates**:

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/year} \times 24 \text{ hr/day} \times TF}{IUR \times ET \times EF \times AED \times CF}$$

(4) For vinyl chloride, the numeric value for inhalation from soil was calculated using the appropriate residential or nonresidential exposure assumptions from subsection (d) according to the following equation using the TF for volatiles:

$$MSC = \frac{TR}{[IUR \times ET \times EF \times ED \times CF / (AT_c \times 365 \text{ days/yr} \times 24 \text{ hr/d} \times TF)] + (IUR \times CF \times TF)}$$

(5) For trichloroethylene, the numeric value for inhalation from soil was calculated using the appropriate residential or nonresidential exposure assumptions from subsection (d) according to the following equation using the TF for volatiles:

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/yr} \times 24 \text{ hr/day} \times TF}{(IUR_k \times AED + IUR_1 \times ED) \times ET \times EF \times CF}$$

(c) For a regulated substance which is both a systemic toxicant and a carcinogen, the inhalation numeric value is the lower of the two numbers as calculated by the equations in subsections (a) and (b).

(d) The default exposure assumptions used to calculate the inhalation numeric values for soil are as follows:

| Term | | Residential | | Nonresidential (Onsite Worker) |
|------------------------------|--|---|---|---|
| | | Systemic ¹ | Carcinogens ² | |
| THQ | Target Hazard Quotient | 1 | N/A | 1 |
| RfCi | Inhal. Reference Concentration (mg/m ³) | Chemical-specific | N/A | Chemical-specific |
| [ATnc] AT _{nc} | Averaging Time for systemic toxicants (yr) | 30 | N/A | 25 |
| TF | Transport Factor (mg/kg)/(mg/m ³) Volatilization ³ Particulate ⁴ | Chemical-specific 1 x 10 ¹⁰ | Chemical-specific 1 x 10 ¹⁰ | Chemical-specific 1 x 10 ¹⁰ |
| ET | Exposure Time (hr/day) | 24 | 24 | 8 |

| Term | | Residential | | Nonresidential (Onsite Worker) |
|--|--|------------------------|--------------------------|-----------------------------------|
| | | Systemic ¹ | Carcinogens ² | |
| EF | Exposure Frequency ⁵ (d/yr) | 250 | 250 | 180 |
| ED | Exposure Duration (yr) | 30 | [N/A] 30 | 25 |
| CF | Conversion Factor | [1,000 µg/mg] N/A | 1,000 µg/mg | 1,000 µg/mg |
| TR | Target Risk | N/A | 1 x 10 ⁻⁵ | 1 x 10 ⁻⁵ |
| IUR | Inhalation Unit Risk (µg/m ³) ⁻¹ | N/A | Chemical-specific | Chemical-specific |
| [AT _c] AT _c | Averaging Time for carcinogens (yr) | N/A | 70 | 70 |
| AED | Combined Age-Dependent Adjustment Factor and Exposure Duration (yr) ⁶ | N/A | 76 | N/A |
| IUR _k | TCE inhalation unit risk for kidney cancer (µg/m ³) ⁻¹ | | 1 x 10 ⁻⁶ | |
| IUR ₁ | TCE inhalation unit risk for both non-Hodgkin lymphoma and liver cancer (µg/m ³) ⁻¹ | | 3 x 10 ⁻⁶ | |
| * * * * * | | | | |

(g) For a regulated substance which is a carcinogen and is a volatile compound, the numeric value for the inhalation of volatiles from groundwater shall be calculated by using the appropriate residential or nonresidential exposure assumptions from subsection (h) according to the following equations:

(1) For regulated substances not identified as a mutagen in § 250.301(b):

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/year} \times 24 \text{ hr/day}}{IUR \times ET \times EF \times ED \times TF \times CF}$$

(2) For regulated substances identified as a mutagen, except for vinyl chloride **and trichloroethylene**, in § 250.301(b):

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/year} \times 24 \text{ hr/day}}{IUR \times ET \times EF \times AED \times TF \times CF}$$

(3) For vinyl chloride:

$$MSC = \frac{TR}{[(IUR \times ET \times EF \times ED \times TF \times CF) / (AT_c \times 365 \text{ days/year} \times 24 \text{ hr/day})] + (IUR \times TF \times CF)}$$

(4) For trichloroethylene:

$$MSC = \frac{TR \times AT_c \times 365 \text{ days/yr} \times 24 \text{ hr/day}}{(IUR_k \times AED + IUR_1 \times ED) \times ET \times EF \times TF \times CF}$$

(h) The default exposure assumptions used to calculate the inhalation numeric values for the inhalation of volatiles from groundwater are as follows:

| Term | | Residential | | Nonresidential (Onsite Worker) |
|--|---|-----------------------|--------------------------|-----------------------------------|
| | | Systemic ¹ | Carcinogens ² | |
| THQ | Target Hazard Quotient | 1 | N/A | 1 |
| RfCi | Inhal. Reference Concentration (mg/m ³) | Chemical-specific | N/A | Chemical-specific |
| [AT _{nc}] AT _{nc} | Averaging Time for systemic toxicants (yr) | 30 | N/A | 25 |
| ET | Exposure Time (hr/day) | 24 | 24 | 8 |
| EF | Exposure Frequency (d/yr) | 350 | 350 | 250 |
| ED | Exposure Duration (yr) | 30 | 30 | 25 |
| TF | Transfer Factor (L/m ³) ³ | 0.5 | 0.5 | 0.5 |
| CF | Conversion Factor | N/A | 1,000 µg/mg | 1,000 µg/mg |
| TR | Target Risk | N/A | 1 x 10 ⁻⁵ | 1 x 10 ⁻⁵ |
| IUR | Inhalation Unit Risk (µg/m ³) ⁻¹ | N/A | Chemical-specific | Chemical-specific |

PROPOSED RULEMAKING

| <i>Term</i> | | <i>Residential</i> | | <i>Nonresidential (Onsite Worker)</i> |
|--|--|-----------------------------|--------------------------------|---|
| | | <i>Systemic¹</i> | <i>Carcinogens²</i> | |
| [AT _c] AT _c | Averaging Time for carcinogens (yr) | N/A | 70 | 70 |
| AED | Combined Age-Dependent adjustment Factor and Exposure Duration (yr) ⁴ | N/A | 76 | N/A |
| IUR _k | TCE inhalation unit risk for kidney cancer (µg/m³)⁻¹ | | 1 x 10⁻⁶ | |
| IUR ₁ | TCE inhalation unit risk for both non-Hodgkin lymphoma and liver cancer (µg/m³)⁻¹ | | 3 x 10⁻⁶ | |
| * * * * * | | | | |

APPENDIX A
TABLE 1—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|--------------------------------|------------|-----------------|-------|------------------|------------|-----------------------|---|------------------------|----|-------------------|-------|---------------------|---|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | S | R | NR | S | R | NR | S | R | NR | S |
| ACENAPHTHENE | 83-32-9 | [2,200] 2,500 | G | 3,800 | S | 3,800 | S | 3,800 | S | 3,800 | S | 3,800 | S |
| ACENAPHTHYLENE | 208-96-8 | [2,200] 2,500 | G | [6,100] 7,000 | G | 16,000 | S | 16,000 | S | 16,000 | S | 16,000 | S |
| ACEPHATE | 30560-19-1 | [76] 84 | G | [300] 390 | G | [7,600] 8,400 | G | [30,000] 39,000 | G | [76] 84 | G | [300] 390 | G |
| ACETALDEHYDE | 75-07-0 | 19 | N | 79 | N | 1,900 | N | 7,900 | N | 19 | N | 79 | N |
| ACETONE | 67-64-1 | [33,000] 38,000 | G | [92,000] 110,000 | G | [3,300,000] 3,800,000 | G | [9,200,000] 11,000,000 | G | [330,000] 380,000 | G | [920,000] 1,100,000 | G |
| ACETONITRILE | 75-05-8 | 130 | N | 530 | N | 13,000 | N | 53,000 | N | 1,300 | N | 5,300 | N |
| ACETOPHENONE | 98-86-2 | [3,700] 4,200 | G | [10,000] 12,000 | G | [370,000] 420,000 | G | [1,000,000] 1,200,000 | G | [3,700] 4,200 | G | [10,000] 12,000 | G |
| ACETYLAMINOFLUORENE, 2- (2AAF) | 53-96-3 | [0.17] 0.19 | G | [0.68] 0.89 | G | [17] 19 | G | [68] 89 | G | [170] 190 | G | [680] 890 | G |
| ACROLEIN | 107-02-8 | 0.042 | N | 0.18 | N | 4.2 | N | 18 | N | 0.42 | N | 1.8 | N |
| ACRYLAMIDE | 79-06-1 | [0.038] 0.19 | N | [0.19] 2.5 | N | [3.8] 19 | N | [19] 250 | N | [0.038] 0.19 | N | [0.19] 2.5 | N |
| ACRYLIC ACID | 79-10-7 | 2.1 | N | 8.8 | N | 210 | N | 880 | N | 2.10 | N | 880 | N |
| ACRYLONITRILE | 107-13-1 | 0.72 | N | 3.7 | N | 72 | N | 370 | N | 72 | N | 370 | N |
| ALACHLOR | 15972-60-8 | 2 | M | 2 | M | 200 | M | 200 | M | 2 | M | 2 | M |
| ALDICARB | 116-06-3 | 3 | M | 3 | M | 300 | M | 300 | M | 3,000 | M | 3,000 | M |
| ALDICARB SULFONE | 1646-88-4 | 2 | M | 2 | M | 200 | M | 200 | M | 2 | M | 2 | M |
| ALDICARB SULFOXIDE | 1646-87-3 | 4 | M | 4 | M | 400 | M | 400 | M | 4 | M | 4 | M |
| ALDRIN | 309-00-2 | [0.039] 0.43 | G | [0.15] 0.2 | G | [3.9] 4.3 | G | [15] 20 | G | 20 | S | 20 | S |
| ALLYL ALCOHOL | 107-18-6 | [0.63] 0.21 | N | [2.6] 0.88 | N | [63] 21 | N | [260] 88 | N | [63] 21 | N | [260] 88 | N |
| AMETRYN | 834-12-8 | 60 | H | 60 | H | 6,000 | H | 6,000 | H | 60 | H | 60 | H |
| AMINOBIHENYL, 4- | 92-67-1 | [0.031] 0.035 | G | [0.12] 0.16 | G | [3.1] 3.5 | G | [12] 16 | G | [3.1] 3.5 | G | [120] 160 | G |
| AMITROLE | 61-82-5 | [0.7] 0.78 | G | [2.8] 3.6 | G | [70] 78 | G | [280] 360 | G | [700] 780 | G | [2,800] 3,600 | G |
| AMMONIA | 7664-41-7 | 30,000 | H | 30,000 | H | 3,000,000 | H | 3,000,000 | H | 30,000 | H | 30,000 | H |
| AMMONIUM SULFAMATE | 7773-06-0 | 2,000 | H | 2,000 | H | 200,000 | H | 200,000 | H | 2,000 | H | 2,000 | H |
| ANILINE | 62-53-3 | 2.1 | N | 8.8 | N | 210 | N | 880 | N | 2.1 | N | 8.8 | N |
| ANTHRACENE | 120-12-7 | 66 | S | 66 | S | 66 | S | 66 | S | 66 | S | 66 | S |
| ATRAZINE | 1912-24-9 | 3 | M | 3 | M | 300 | M | 300 | M | 3 | M | 3 | M |
| AZINPHOS-METHYL (GUTHION) | 86-50-0 | [110] 130 | G | [310] 350 | G | [11,000] 13,000 | G | [31,000] 32,000 | G | [110] 130 | G | [310] 350 | G |
| BAYGON (PROPOXUR) | 114-26-1 | 3 | H | 3 | H | 300 | H | 300 | H | 3,000 | H | 3,000 | H |
| BENOMYL | 17804-35-2 | [1,800] 2,000 | [G] S | 2,000 | S | 2,000 | S | 2,000 | S | [1,800] 2,000 | [G] S | 2,000 | S |

All concentrations in µg/L
M = Maximum Contaminant Level
R = Residential
NR = Non-Residential
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.
N = Inhalation
H = Lifetime health advisory level
G = Ingestion
S = Aqueous solubility cap

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TABLE 1—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|------------------------------|------------|----------------------|----------------------|---|------------------------|----|--------------------------|------------------|----------------------|---|----------------------|----|----------------------|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | H | R | NR | H | R | NR | H | R | NR | |
| BENTAZON | 25057-89-0 | 200 | 200 | H | 20,000 | H | 20,000 | H | 20,000 | H | 200 | H | 200 |
| BENZENE | 71-43-2 | 5 | 5 | M | 500 | M | 500 | M | 500 | M | 500 | M | 500 |
| BENZIDINE | 92-87-5 | [0.00093] 0.00098 | [0.011] 0.015 | G | [0.093] 0.098 | G | [1.1] 1.5 | G | [0.93] 0.98 | G | [11] 15 | G | [11] 15 |
| BENZO[A]ANTHRACENE | 56-55-3 | [0.29] 0.32 | [3.6] 4.9 | G | 11 | S | 11 | S | 11 | S | 11 | S | 11 |
| BENZO[A]PYRENE | 50-32-8 | 0.2 | 0.2 | M | 3.8 | S | 3.8 | S | 3.8 | S | 3.8 | S | 3.8 |
| BENZO[B]FLUORANTHENE | 205-99-2 | [0.29] 0.31 | 1.2 | S | 1.2 | S | 1.2 | S | 1.2 | S | 1.2 | S | 1.2 |
| BENZO[G]HUIPERYLENE | 191-24-2 | 0.26 | 0.26 | S | 0.26 | S | 0.26 | S | 0.26 | S | 0.26 | S | 0.26 |
| BENZO[K]FLUORANTHENE | 207-08-9 | 0.55 | 0.55 | S | 0.55 | S | 0.55 | S | 0.55 | S | 0.55 | S | 0.55 |
| BENZOIC ACID | 65-85-0 | [150,000] 170,000 | [410,000] 470,000 | G | 2,700,000 | S | 2,700,000 | S | [150,000] 170,000 | G | [410,000] 470,000 | G | [410,000] 470,000 |
| BENZOTRICHLORIDE | 98-07-7 | [0.05] 0.056 | [0.2] 0.26 | G | [5.1] 5.6 | G | [20] 26 | G | [51] 56 | G | [200] 260 | G | [200] 260 |
| BENZYL ALCOHOL | 100-51-6 | [18,000] 4,200 | [51,000] 12,000 | G | [1,800,000] 420,000 | G | [5,100,000] 1,200,000 | G | [18,000] 4,200 | G | [51,000] 12,000 | G | [51,000] 12,000 |
| BENZYL CHLORIDE | 100-44-7 | 1 | 5.1 | N | 100 | N | 510 | N | 100 | N | 510 | N | 510 |
| BETA PROPIOLACTONE | 57-57-8 | 0.012 | 0.063 | N | 1.2 | N | 6.3 | N | 0.12 | N | 6.3 | N | 0.63 |
| BHC, ALPHA- | 319-84-6 | [0.1] 0.12 | [0.41] 0.54 | G | [10] 12 | G | [41] 54 | G | [100] 120 | G | [410] 540 | G | [410] 540 |
| BHC, BETA- | 319-85-7 | [0.37] 0.41 | [1.4] 1.9 | G | [37] 41 | G | 100 | S | 100 | S | 100 | S | 100 |
| BHC, GAMMA (LINDANE) | 58-89-9 | 0.2 | 0.2 | M | 20 | M | 20 | M | 200 | M | 200 | M | 200 |
| BIPHENYL, 1,1- | 92-52-4 | [1,800] 91 | [5,100] 430 | G | 7,200 | S | 7,200 | S | 7,200 | S | 7,200 | S | 7,200 |
| BIS(2-CHLOROETHOXY)METHANE | 111-91-1 | [110] 130 | [310] 350 | G | [11,000] 13,000 | G | [31,000] 35,000 | G | [110] 130 | G | [310] 350 | G | [310] 350 |
| BIS(2-CHLOROETHYL)ETHER | 111-44-4 | 0.15 | 0.76 | N | 15 | N | 76 | N | 15 | N | 76 | N | 76 |
| BIS(2-CHLORO-ISOPROPYL)ETHER | 108-60-1 | 300 | 300 | H | 30,000 | H | 30,000 | H | 30,000 | H | 30,000 | H | 30,000 |
| BIS(CHLOROMETHYL)ETHER | 542-88-1 | 0.00079 | 0.004 | N | 0.079 | N | 0.4 | N | 0.079 | N | 0.4 | N | 0.4 |
| BIS[2-ETHYLHEXYL] PHTHALATE | 117-81-7 | 6 | 6 | M | 290 | S | 290 | S | 290 | S | 290 | S | 290 |
| BISPHENOL A | 80-05-7 | [1,800] 2,100 | [5,100] 5,800 | G | 120,000 | S | 120,000 | S | 120,000 | S | 120,000 | S | 120,000 |
| BROMACIL | 314-40-9 | 70 | 70 | H | 7,000 | H | 7,000 | H | 70 | H | 70 | H | 70 |
| BROMOCHLOROMETHANE | 74-97-5 | 90 | 90 | H | 9,000 | H | 9,000 | H | 90 | H | 90 | H | 90 |
| BROMODICHLOROMETHANE (THM) | 75-27-4 | 80 | 80 | M | 8,000 | M | 8,000 | M | 80 | M | 80 | M | 80 |
| BROMOMETHANE | 74-83-9 | 10 | 10 | H | 1,000 | H | 1,000 | H | 1,000 | H | 1,000 | H | 1,000 |
| BROMOXNYL | 1689-84-5 | [730] 830 | [2,000] 2,300 | G | [73,000] 83,000 | G | 130,000 | S | [730] 830 | G | [2,000] 2,300 | G | [2,000] 2,300 |
| BROMOXNYL OCTANOATE | 1689-99-2 | 80 | 80 | S | 80 | S | 80 | S | 80 | S | 80 | S | 80 |

All concentrations in µg/L
 M = Maximum Contaminant Level
 H = Lifetime health advisory level
 NR = Non-Residential
 G = Ingestion
 THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
 HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

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TABLE 1—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|--------------------------------------|-----------|---------------|-----------------|---|-------------------|----|-----------------------|------------------|-----------------|---|-------------------|----|---|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | G | R | NR | G | R | NR | G | R | NR | G |
| BUTADIENE, 1,3- | 106-99-0 | [0.19] 0.21 | [0.76] 1 | G | [19] 21 | G | [76] 100 | G | [19] 21 | G | [76] 100 | G | |
| BUTYL ALCOHOL, N- | 71-36-3 | [3,700] 4,200 | [10,000] 12,000 | G | [370,000] 420,000 | G | [1,000,000] 1,200,000 | G | [37,000] 42,000 | G | [100,000] 120,000 | G | |
| BUTYLATE | 2008-41-5 | 400 | 400 | H | 40,000 | H | 40,000 | H | 400 | H | 400 | H | |
| BUTYLBENZENE, N- | 104-51-8 | [1,500] 2,100 | [4,100] 5,800 | G | 15,000 | S | 15,000 | S | [1,500] 2,100 | G | [4,100] 5,800 | G | |
| BUTYLBENZENE, SEC- | 135-98-8 | [1,500] 4,200 | [4,100] 12,000 | G | 17,000 | S | 17,000 | S | [1,500] 4,200 | G | [4,100] 12,000 | G | |
| BUTYLBENZENE, TERT- | 98-06-6 | [1,500] 4,200 | [4,100] 12,000 | G | 30,000 | S | 30,000 | S | [1,500] 4,200 | G | [4,100] 12,000 | G | |
| BUTYLBENZYL PHTHALATE | 85-68-7 | [350] 380 | [1,400] 1,800 | G | 2,700 | S | 2,700 | S | 2,700 | S | 2,700 | S | |
| CAPTAN | 133-06-2 | [290] 320 | 500 | S | 500 | S | 500 | S | 500 | S | 500 | S | |
| CARBARYL | 63-25-2 | [3,700] 4,200 | [10,000] 12,000 | G | 120,000 | S | 120,000 | S | 120,000 | S | 120,000 | S | |
| CARBAZOLE | 86-74-8 | [33] 37 | [130] 170 | G | 1,200 | S | 1,200 | S | [1,200] 37 | S | [1,200] 170 | S | |
| CARBOFURAN | 1563-66-2 | 40 | 40 | M | 4,000 | M | 4,000 | M | 40 | M | 40 | M | |
| CARBON DISULFIDE | 75-15-0 | 1,500 | 6,200 | N | 150,000 | N | 620,000 | N | 1,500 | N | 6,200 | N | |
| CARBON TETRACHLORIDE | 56-23-5 | 5 | 5 | M | 500 | M | 500 | M | 50 | M | 50 | M | |
| CARBOXIN | 5234-68-4 | 700 | 700 | H | 70,000 | H | 70,000 | H | 700 | H | 700 | H | |
| CHLORAMBEN | 133-90-4 | 100 | 100 | H | 10,000 | H | 10,000 | H | 100 | H | 100 | H | |
| CHLORDANE | 57-74-9 | 2 | 2 | M | 56 | S | 56 | S | 56 | S | 56 | S | |
| CHLORO-1,1-DIFLUOROETHANE, 1- | 75-68-3 | 110,000 | 440,000 | N | 1,400,000 | S | 1,400,000 | S | 110,000 | N | 440,000 | N | |
| CHLORO-1-PROPENE, 3-(ALLYL CHLORIDE) | 107-05-1 | 2.1 | 8.8 | N | 210 | N | 880 | N | 210 | N | 880 | N | |
| CHLOROACETALDEHYDE | 107-20-0 | 2.4 | 11 | G | 240 | G | 1,100 | G | 2.4 | G | 11 | G | |
| CHLOROACETOPHENONE, 2- | 532-27-4 | [1.1] 1.3 | [3.1] 3.5 | G | [110] 130 | G | [310] 350 | G | [1,100] 1,300 | G | [3,100] 3,500 | G | |
| CHLOROANILINE, P- | 106-47-8 | [3.3] 3.7 | [13] 17 | G | [330] 370 | G | [1,300] 1,700 | G | [3.3] 3.7 | G | [13] 17 | G | |
| CHLOROBENZENE | 108-90-7 | 100 | 100 | M | 10,000 | M | 10,000 | M | 10,000 | M | 10,000 | M | |
| CHLOROBENZILATE | 510-15-6 | [6] 6.6 | [24] 31 | G | [600] 660 | G | [2,400] 3,100 | G | [6,000] 6,600 | G | 13,000 | S | |
| CHLOROBUTANE, 1- | 109-69-3 | [1,500] 1,700 | [4,100] 4,700 | G | [150,000] 170,000 | G | [410,000] 470,000 | G | [1,500] 1,700 | G | [4,100] 4,700 | G | |
| CHLORODIBROMOMETHANE (THM) | 124-48-1 | 80 | 80 | M | 8,000 | M | 8,000 | M | 8,000 | M | 8,000 | M | |
| CHLORODIFLUOROMETHANE | 75-45-6 | 110,000 | 440,000 | N | 2,900,000 | S | 2,900,000 | S | 110,000 | N | 440,000 | N | |

All concentrations in µg/L
 M = Maximum Contaminant Level
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THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
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| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|-------------------------------------|------------|---------------|----|---------------|------------|-------------------|-------|-------------------|---|-----------------------|----|-------------------|----|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | NR | R | G | NR | R | G | NR | R | G | NR |
| CHLOROETHANE | 75-00-3 | [230] 250 | G | [900] 1,200 | G | [23,000] 25,000 | G | [190,000] 120,000 | G | [23,000] 25,000 | G | [90,000] 120,000 | G |
| CHLOROFORM (THM) | 67-66-3 | 80 | M | 80 | M | 8,000 | M | 8,000 | M | 800 | M | 800 | M |
| CHLORONAPHTHALENE, 2- | 91-58-7 | [2,900] 3,300 | G | [8,200] 9,300 | G | 12,000 | S | 12,000 | S | [2,900] 3,300 | G | [8,200] 9,300 | G |
| CHLORONITROBENZENE, P- | 100-00-5 | [37] 42 | G | [100] 120 | G | [3,700] 4,200 | G | [10,000] 12,000 | G | [37] 42 | G | [100] 120 | G |
| CHLOROPHENOL, 2- | 95-57-8 | 40 | H | 40 | H | 4,000 | H | 4,000 | H | 40 | H | 40 | H |
| CHLOROPRENE | 126-99-8 | [15] 0.16 | N | [62] 0.83 | N | [1,500] 16 | N | [6,200] 83 | N | [1,500] 16 | N | [6,200] 83 | N |
| CHLOROPROPANE, 2- | 75-29-6 | 210 | N | 880 | N | 21,000 | N | 88,000 | N | 210 | N | 880 | N |
| CHLOROTHALONIL | 1897-45-6 | [210] 240 | G | 600 | S | 600 | S | 600 | S | [210] 240 | G | 600 | S |
| CHLOROTOLUENE, O- | 95-49-8 | 100 | H | 100 | H | 10,000 | H | 10,000 | H | 100 | H | 100 | H |
| CHLOROTOLUENE, P- | 106-43-4 | 100 | H | 100 | H | 10,000 | H | 10,000 | H | 100 | H | 100 | H |
| CHLORPYRIFOS | 2921-88-2 | 2 | H | 2 | H | 200 | H | 200 | H | 2 | H | 2 | H |
| CHLORSULFURON | 64902-72-3 | [1,800] 2,100 | G | [5,100] 5,800 | G | [180,000] 190,000 | [G] S | 190,000 | S | [1,800] 2,100 | G | [5,100] 5,800 | G |
| CHLORTHAL-DIMETHYL (DACTHAL) (DCPA) | 1861-32-1 | 70 | H | 70 | H | 500 | S | 500 | S | 500 | S | 500 | S |
| CHRYSENE | 218-01-9 | 1.9 | S | 1.9 | S | 1.9 | S | 1.9 | S | 1.9 | S | 1.9 | S |
| [CRESOLS] CRESOL(S) | 1319-77-3 | [180] 210 | G | [510] 580 | G | [18,000] 21,000 | G | [51,000] 58,000 | G | [18,000] 21,000 | G | [51,000] 58,000 | G |
| CRESOL, 4,6-DINITRO-O- | 534-52-1 | [3.7] 3.3 | G | [10] 9.3 | G | [370] 330 | G | [1,000] 930 | G | [3,700] 3,300 | G | [10,000] 9,300 | G |
| CRESOL, O- (METHYLPHENOL, 2-) | 95-48-7 | [1,800] 2,100 | G | [5,100] 5,800 | G | [180,000] 210,000 | G | [510,000] 580,000 | G | [180,000] 210,000 | G | [510,000] 580,000 | G |
| CRESOL, M (METHYLPHENOL, 3-) | 108-39-4 | [1,800] 2,100 | G | [5,100] 5,800 | G | [180,000] 210,000 | G | [510,000] 580,000 | G | [1,800,000] 2,100,000 | G | 2,500,000 | S |
| CRESOL, P (METHYLPHENOL, 4-) | 106-44-5 | [180] 210 | G | [510] 580 | G | [18,000] 21,000 | G | [51,000] 58,000 | G | [18,000] 21,000 | G | [51,000] 58,000 | G |
| CRESOL, P-CHLORO-M- | 59-50-7 | [180] 4,200 | G | [510] 12,000 | G | 420,000 | G | 1,200,000 | G | [180] 4,200 | G | [510] 12,000 | G |
| CROTONALDEHYDE | 4170-30-3 | [0.35] 0.38 | G | [1.4] 1.8 | G | [35] 38 | G | [140] 180 | G | [35] 38 | G | [140] 180 | G |
| CROTONALDEHYDE, TRANS- | 123-73-9 | [0.35] 0.38 | G | [1.4] 1.8 | G | [35] 38 | G | [140] 180 | G | [35] 38 | G | [140] 180 | G |
| CUMENE (ISOPROPYL BENZENE) | 98-82-8 | 840 | N | 3,500 | N | 50,000 | S | 50,000 | S | 50,000 | S | 50,000 | S |
| CYANAZINE | 21725-46-2 | 1 | H | 1 | H | 100 | H | 100 | H | 1 | H | 1 | H |
| CYCLOHEXANE | 110-82-7 | 13,000 | N | 53,000 | N | 55,000 | S | 55,000 | S | 13,000 | N | 53,000 | N |

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| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|---|------------|--------------------|----------|--------------------|------------|-------------------------|----------|-------------------------|----------|--------------------|----------|--------------------|----------|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | NR | R | NR | NR | R | NR | NR | R | NR | NR |
| CYCLOHEXANONE | 108-94-1 | [180,000] 1,500 | [G] N | [510,000] 6,200 | [G] N | [18,000,000] 150,000 | [G] N | [37,000,000] 620,000 | [S] N | [180,000] 1,500 | [G] N | [510,000] 6,200 | [G] N |
| CYFLUTHRIN | 68359-37-5 | [270] 310 | G | [770] 880 | G | [27,000] 31,000 | G | [77,000] 88,000 | G | [270] 310 | G | [770] 880 | G |
| CYROMAZINE | 66215-27-8 | [2,8] 3 | G | [11] 14 | G | 160 | S | 160 | S | 160 | S | 160 | S |
| DDD, 4,4'- | 72-54-8 | [1.9] 2.1 | G | [7.6] 10 | G | 40 | S | 40 | S | 40 | S | 40 | S |
| DDE, 4,4'- | 72-55-9 | [1.9] 2.1 | G | 5.5 | S | 5.5 | S | 5.5 | S | 5.5 | S | 5.5 | S |
| DDT, 4,4'- | 50-29-3 | 400 | M | 400 | M | 40,000 | M | 40,000 | M | 200,000 | S | 200,000 | S |
| DI(2-ETHYLHEXYL)ADIPATE | 103-23-1 | [11] 12 | G | [43] 56 | G | [1,100] 1,200 | G | [4,300] 5,600 | G | [11,000] 12,000 | G | 40,000 | S |
| DIALLATE | 2303-16-4 | [0.17] 0.19 | G | [0.68] 0.89 | G | [17] 19 | G | [68] 89 | G | [170] 190 | G | [680] 890 | G |
| DIAMINOTOLUENE, 2,4- | 95-80-7 | 1 | H | 1 | H | 100 | H | 100 | H | 1 | H | 1 | H |
| DIAZINON | 333-41-5 | [0.029] 0.031 | G | [0.36] 0.47 | G | 0.6 | S | 0.6 | S | 0.6 | S | 0.6 | S |
| DIBENZO[A,H]ANTHRACENE | 53-70-3 | [37] 42 | G | [100] 120 | G | [3,700] 4,200 | G | 4,500 | S | 4,500 | S | 4,500 | S |
| DIBENZOFURAN | 132-64-9 | 0.2 | M | 0.2 | M | 20 | M | 20 | M | 20 | M | 20 | M |
| DIBROMO-3-CHLOROPROPANE, 1,2- | 96-12-8 | [370] 420 | G | [1,000] 1,200 | G | 20,000 | S | 20,000 | S | [370] 420 | G | [1,000] 1,200 | G |
| DIBROMOBENZENE, 1,4- | 106-37-6 | 0.05 | M | 0.05 | M | 5 | M | 5 | M | 5 | M | 5 | M |
| DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE) | 106-93-4 | [370] 8.4 | [G] N | [1,000] 35 | [G] N | [37,000] 840 | [G] N | [100,000] 3,500 | [G] N | [37,000] 840 | [G] N | [100,000] 3,500 | [G] N |
| DIBROMOMETHANE | 74-95-3 | [3,700] 4,200 | G | [10,000] 12,000 | G | [370,000] 400,000 | [G] S | 400,000 | S | 400,000 | S | 400,000 | S |
| DIBUTYL PHTHALATE, N- | 84-74-2 | 4,000 | H | 4,000 | H | 400,000 | H | 400,000 | H | 4,000 | H | 4,000 | H |
| DICAMBA | 1918-00-9 | 60 | M | 60 | M | 6,000 | M | 6,000 | M | 60 | M | 60 | M |
| DICHLOROACETIC ACID (HAA) | 76-43-6 | 0.012 | N | 0.06 | N | 1.2 | N | 6 | N | 0.012 | N | 0.06 | N |
| DICHLORO-2-BUTENE, 1,4- | 764-41-0 | 0.012 | N | 0.06 | N | 1.2 | N | 6 | N | 0.012 | N | 0.06 | N |
| DICHLORO-2-BUTENE, TRANS-1,4- | 110-57-6 | 600 | M | 600 | M | 60,000 | M | 60,000 | M | 60,000 | M | 60,000 | M |
| DICHLOROBENZENE, 1,2- | 95-50-1 | 600 | H | 600 | H | 60,000 | H | 60,000 | H | 60,000 | H | 60,000 | H |
| DICHLOROBENZENE, 1,3- | 541-73-1 | 75 | M | 75 | M | 7,500 | M | 7,500 | M | 7,500 | M | 7,500 | M |
| DICHLOROBENZENE, P- | 106-46-7 | [1.5] 1.6 | G | [5.8] 7.6 | G | [150] 160 | G | [580] 760 | G | [1,500] 1,600 | G | 3,100 | S |
| DICHLOROBENZIDINE, 3,3'- | 91-94-1 | 1,000 | H | 1,000 | H | 100,000 | H | 100,000 | H | 100,000 | H | 100,000 | H |
| DICHLORODIFLUOROMETHANE (FREON 12) | 75-71-8 | 31 | N | 160 | N | 3,100 | N | 16,000 | N | 310 | N | 1,600 | N |
| DICHLOROETHANE, 1,1- | 75-34-3 | | | | | | | | | | | | |

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|--|------------|-----------------|----|-----------------|------------|-------------------|----|------------------|----|-------------------|----|-----------------------|-------|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | R | NR | R | NR | R | NR | R | NR | R | NR |
| DICHLOROETHANE, 1,2- | 107-06-2 | 5 | M | 500 | M | 500 | M | 500 | M | 50 | M | 50 | M |
| DICHLOROETHYLENE, 1,1- | 75-35-4 | 7 | M | 700 | M | 700 | M | 700 | M | 70 | M | 70 | M |
| DICHLOROETHYLENE, CIS-1,2- | 156-59-2 | 70 | M | 7,000 | M | 7,000 | M | 7,000 | M | 700 | M | 700 | M |
| DICHLOROETHYLENE, TRANS-1,2- | 156-60-5 | 100 | M | 10,000 | M | 10,000 | M | 10,000 | M | 1,000 | M | 1,000 | M |
| DICHLOROMETHANE (METHYLENE CHLORIDE) | 75-09-2 | 5 | M | 500 | M | 500 | M | 500 | M | 500 | M | 500 | M |
| DICHLOROPHENOL, 2,4- | 120-83-2 | 20 | H | 2,000 | H | 2,000 | H | 2,000 | H | 20,000 | H | 20,000 | H |
| DICHLOROPHENOXACETIC ACID, 2,4-(2,4-D) | 94-75-7 | 70 | M | 7,000 | M | 7,000 | M | 7,000 | M | 70,000 | M | 70,000 | M |
| DICHLOROPROPANE, 1,2- | 78-87-5 | 5 | M | 500 | M | 500 | M | 500 | M | 50 | M | 50 | M |
| DICHLOROPROPENE, 1,3- | 542-75-6 | [6.6] 7.3 | G | [660] 730 | G | [2,600] 3,400 | G | [660] 730 | G | [660] 730 | G | [2,600] 3,400 | G |
| DICHLOROPROPIONIC ACID, 2,2-(DALAPON) | 75-99-0 | 200 | M | 20,000 | M | 20,000 | M | 20,000 | M | 20,000 | M | 20,000 | M |
| DICHLOROVOS | 62-73-7 | [2.3] 2.5 | G | [230] 250 | G | [900] 1,200 | G | [2.3] 2.5 | G | [2.3] 2.5 | G | [9] 12 | G |
| DICYCLOPENTADIENE | 77-73-6 | 15 | N | 1,500 | N | 6,200 | N | 15 | N | 15 | N | 62 | N |
| DIELDRIN | 60-57-1 | [0.041] 0.046 | G | [4.1] 4.6 | G | [16] 21 | G | [4.1] 4.6 | G | [41] 46 | G | [160] 170 | [G] S |
| DIETHYL PHTHALATE | 84-66-2 | [29,000] 33,000 | G | [82,000] 93,000 | G | 1,100,000 | S | 1,100,000 | S | 1,100,000 | S | 1,100,000 | S |
| DIFLUBENZURON | 35367-38-5 | 200 | S | 200 | S | 200 | S | 200 | S | 200 | S | 200 | S |
| DISOPROPYL METHYLPHOSPHONATE | 1445-75-6 | 600 | H | 60,000 | H | 60,000 | H | 60,000 | H | 600 | H | 600 | H |
| DIMETHOATE | 60-51-5 | [7.3] 8.3 | G | [730] 830 | G | [2,000] 2,300 | G | [7.3] 8.3 | G | [7,300] 8,300 | G | [20,000] 23,000 | G |
| DIMETHOXYBENZIDINE, 3,3- | 119-90-4 | [47] 52 | G | [4,700] 5,200 | G | [19,000] 24,000 | G | [4,700] 5,200 | G | [47,000] 52,000 | G | 60,000 | S |
| DIMETHRIN | 70-38-2 | 36 | S | 36 | S | 36 | S | 36 | S | 36 | S | 36 | S |
| DIMETHYLAMINOAZOBENZENE, P- | 60-11-7 | [0.14] 0.16 | G | [14] 16 | G | [57] 74 | G | [14] 16 | G | [140] 160 | G | [570] 740 | G |
| DIMETHYLANILINE, N,N- | 121-69-7 | [73] 83 | G | [7,300] 8,300 | G | [20,000] 23,000 | G | [7,300] 8,300 | G | [7,300] 8,300 | G | [20,000] 23,000 | G |
| DIMETHYLBENZIDINE, 3,3- | 119-93-7 | [0.06] 0.46 | G | [6] 46 | G | [24] 210 | G | [6] 46 | G | [60] 460 | G | [240] 2,100 | G |
| DIMETHYL METHYLPHOSPHONATE | 756-79-6 | 100 | H | 10,000 | H | 10,000 | H | 10,000 | H | 100 | H | 100 | H |
| DIMETHYLPHENOL, 2,4- | 105-67-9 | [730] 830 | G | [73,000] 83,000 | G | [200,000] 230,000 | G | [73,000] 83,000 | G | [730,000] 830,000 | G | [2,000,000] 2,300,000 | G |
| DINITROBENZENE, 1,3- | 99-65-0 | 1 | H | 100 | H | 100 | H | 100 | H | 1,000 | H | 1,000 | H |

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|--------------------------------|------------|-----------------|------------------|-----------------------|------------|-----|------------------------|------------------|------------------------|-----------------------|-----|------------------------|-----|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | R | NR | R | NR | R | NR | R | NR | R | NR |
| DINITROPHENOL, 2,4- | 51-28-5 | [73] 83 | [200] 250 | [7,300] 8,300 | G | G | [120,000] 23,000 | G | [120,000] 23,000 | [73,000] 83,000 | G | [200,000] 230,000 | G |
| DINITROTOLUENE, 2,4- | 121-14-2 | [2.1] 2.4 | [8.4] 11 | [210] 240 | G | G | [840] 1,100 | G | [840] 1,100 | [2,100] 2,400 | G | [8,400] 11,000 | G |
| DINITROTOLUENE, 2,6- (2,6-DNT) | 606-20-2 | [37] 42 | [100] 120 | [3,700] 4,200 | G | G | [10,000] 12,000 | G | [10,000] 12,000 | [37,000] 42,000 | G | [100,000] 120,000 | G |
| DINoseb | 88-85-7 | 7 | 7 | 700 | M | M | 700 | M | 700 | 7,000 | M | 7,000 | M |
| DIOXANE, 1,4- | 123-91-1 | [6.4] 7.3 | [32] 34 | [640] 730 | [N] | [N] | [3,200] 3,400 | [N] | [3,200] 3,400 | [64] 73 | [N] | [320] 340 | [N] |
| DIPHENAMID | 957-51-7 | 200 | 200 | 20,000 | H | H | 20,000 | H | 20,000 | 200 | H | 200 | H |
| DIPHENYLAMINE | 122-39-4 | [910] 1,000 | [2,600] 2,900 | [91,000] 100,000 | G | G | [260,000] 290,000 | G | [260,000] 290,000 | 300,000 | S | 300,000 | S |
| DIPHENYLHYDRAZINE, 1,2- | 122-66-7 | [0.83] 0.91 | [3.3] 4.3 | [83] 91 | G | G | 250 | S | 250 | 250 | S | 250 | S |
| DIQUAT | 85-00-7 | 20 | 20 | 2,000 | M | M | 2,000 | M | 2,000 | 20 | M | 20 | M |
| DISULFOTON | 298-04-4 | 0.7 | 0.7 | 70 | H | H | 70 | H | 70 | 700 | H | 700 | H |
| DITHIANE, 1,4- | 505-29-3 | 80 | 80 | 8,000 | H | H | 8,000 | H | 8,000 | 80 | H | 80 | H |
| DIURON | 330-54-1 | [73] 83 | [200] 230 | [7,300] 8,300 | G | G | [20,000] 23,000 | G | [20,000] 23,000 | [73] 83 | G | [200] 230 | G |
| ENDOSULFAN | 115-29-7 | [220] 250 | 480 | 480 | S | S | 480 | S | 480 | 480 | S | 480 | S |
| ENDOSULFAN I (ALPHA) | 959-98-8 | [220] 250 | 500 | 500 | S | S | 500 | S | 500 | [220] 250 | G | 500 | S |
| ENDOSULFAN II (BETA) | 33213-65-9 | [220] 250 | 450 | 450 | S | S | 450 | S | 450 | [220] 250 | G | 450 | S |
| ENDOSULFAN SULFATE | 1031-07-8 | 120 | 120 | 120 | S | S | 120 | S | 120 | 120 | S | 120 | S |
| ENDOTHALL | 145-73-3 | 100 | 100 | 10,000 | M | M | 10,000 | M | 10,000 | 100 | M | 100 | M |
| ENDRIN | 72-20-8 | 2 | 2 | 200 | M | M | 200 | M | 200 | 2 | M | 2 | M |
| EPICHLOROHYDRIN | 106-89-8 | 2.1 | 8.8 | 210 | N | N | 880 | N | 880 | 210 | N | 880 | N |
| ETHEPHON | 16672-87-0 | [180] 210 | [510] 580 | [18,000] 21,000 | G | G | [51,000] 58,000 | G | [51,000] 58,000 | [180] 210 | G | [510] 580 | G |
| ETHION | 563-12-2 | [18] 21 | [51] 58 | 850 | G | G | 850 | S | 850 | [18] 21 | G | [51] 58 | G |
| ETHOXYETHANOL, 2- (EGEE) | 110-80-5 | 420 | 1,800 | 42,000 | N | N | 180,000 | N | 180,000 | 42,000 | N | 180,000 | N |
| ETHYL ACETATE | 141-78-6 | [33,000] 38,000 | [92,000] 110,000 | [3,300,000] 3,800,000 | G | G | [9,200,000] 11,000,000 | G | [9,200,000] 11,000,000 | [3,300,000] 3,800,000 | G | [9,200,000] 11,000,000 | G |
| ETHYL ACRYLATE | 140-88-5 | [14] 15 | [54] 71 | [1,400] 1,500 | G | G | [5,400] 7,100 | G | [5,400] 7,100 | [1,400] 1,500 | G | [5,400] 7,100 | G |
| ETHYL BENZENE | 100-41-4 | 700 | 700 | 70,000 | M | M | 70,000 | M | 70,000 | 70,000 | M | 70,000 | M |

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| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|--|------------|-------------------|-------------------|-------|------------|-------------------------|-------|-------------------------|-------|-------------------|-------|-------------------|-------|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | G | R | NR | G | R | NR | G | R | NR | G |
| ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC) | 759-94-4 | [910] 1,000 | [2,600] 2,900 | G | G | [91,000] 100,000 | G | [260,000] 290,000 | G | [1910] 1,000 | G | [12,600] 2,900 | G |
| ETHYL ETHER | 60-29-7 | [7,300] 8,300 | [20,000] 23,000 | G | G | [730,000] 830,000 | G | [2,000,000] 2,300,000 | G | [7,300] 8,300 | G | [20,000] 23,000 | G |
| ETHYL METHACRYLATE | 97-63-2 | [3,300] 630 | [9,200] 2,600 | [G] N | [G] N | [330,000] 63,000 | [G] N | [920,000] 260,000 | [G] N | [3,300] 630 | [G] N | [9,200] 2,600 | [G] N |
| ETHYLENE CHLORHYDRIN | 107-07-3 | 830 | 2,300 | G | G | 83,000 | G | 230,000 | G | 830 | G | 2,300 | G |
| ETHYLENE GLYCOL | 107-21-1 | 14,000 | 14,000 | H | H | 1,400,000 | H | 1,400,000 | H | 1,400,000 | H | 1,400,000 | H |
| ETHYLENE THIOUREA (ETU) | 96-45-7 | [2.9] 3.3 | [8.2] 9.3 | G | G | [290] 330 | G | [820] 930 | G | [2,900] 3,300 | G | [8,200] 9,300 | G |
| ETHYL-P-NITROPHENYL PHENYLPHOSPHOROTHIOATE | 2104-64-5 | [0.37] 0.42 | 1 | G | G | [37] 42 | G | [100] 120 | G | [0.37] 0.42 | G | [1] 1.2 | G |
| FENAMIPHOS | 22224-92-6 | 0.7 | 0.7 | H | H | 70 | H | 70 | H | 0.7 | H | 0.7 | H |
| FENVALERATE (PYDRIN) | 51630-58-1 | 85 | 85 | S | S | 85 | S | 85 | S | 85 | S | 85 | S |
| FLUOMETURON (FLUOMETRON IN EPA FEB 96) | 2164-17-2 | 90 | 90 | H | H | 9,000 | H | 9,000 | H | 90 | H | 90 | H |
| FLUORANTHENE | 206-44-0 | 260 | 260 | S | S | 260 | S | 260 | S | 260 | S | 260 | S |
| FLUORENE | 86-73-7 | [1,500] 1,700 | 1,900 | G | G | 1,900 | S | 1,900 | S | 1,900 | S | 1,900 | S |
| FLUOROTRICHLOROMETHANE (FREON 11) | 75-69-4 | 2,000 | 2,000 | H | H | 200,000 | H | 200,000 | H | 200,000 | H | 200,000 | H |
| FONOFOS | 944-22-9 | 10 | 10 | H | H | 1,000 | H | 1,000 | H | 10 | H | 10 | H |
| FORMALDEHYDE | 50-00-0 | 1,000 | 1,000 | H | H | 100,000 | H | 100,000 | H | 100,000 | H | 100,000 | H |
| FORMIC ACID | 64-18-6 | [6.3] 0.63 | [26] 2.6 | N | N | [630] 63 | N | [2,600] 260 | N | [63] 6.3 | N | [260] 26 | N |
| FOSETYL-AL | 39148-24-8 | [110,000] 130,000 | [310,000] 350,000 | G | G | [11,000,000] 13,000,000 | G | [31,000,000] 35,000,000 | G | [110,000] 130,000 | G | [310,000] 350,000 | G |
| FURAN | 110-00-9 | [37] 42 | [100] 120 | G | G | [3,700] 4,200 | G | [10,000] 12,000 | G | [3,700] 4,200 | G | [10,000] 12,000 | G |
| FURFURAL | 98-01-1 | 110 | [310] 350 | N | G | 11,000 | N | [31,000] 35,000 | G | 110 | N | [310] 350 | G |
| GLYPHOSATE | 1071-83-6 | 700 | 700 | M | M | 70,000 | M | 70,000 | M | 700 | M | 700 | M |
| HEPTACHLOR | 76-44-8 | 0.4 | 0.4 | M | M | 40 | M | 40 | M | 180 | S | 180 | S |
| HEPTACHLOR EPOXIDE | 1024-57-3 | 0.2 | 0.2 | M | M | 20 | M | 20 | M | 200 | M | 200 | M |
| HEXACHLOROBENZENE | 118-74-1 | 1 | 1 | M | M | 6 | S | 6 | S | 6 | S | 6 | S |
| HEXACHLOROBUTADIENE | 87-68-3 | [8.5] 9.4 | [33] 44 | G | G | [850] 940 | G | 2,900 | S | 2,900 | S | 2,900 | S |
| HEXACHLOROCYCLOPENTADIENE | 77-47-4 | 50 | 50 | M | M | 1,800 | S | 1,800 | S | 1,800 | S | 1,800 | S |

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|-----------------------------|------------|-----------------|-----|-------------------|------------|-----------------------|-----|-------------------------|-----|-----------------------|-----|------------------------|-----|-----------------------|-----|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | | | |
| | | R | H | NR | R | H | NR | R | H | NR | R | H | NR | | |
| HEXACHLOROETHANE | 67-72-1 | 1 | H | 1 | H | 100 | H | 100 | H | 100 | H | 100 | H | 100 | H |
| HEXANE | 110-54-3 | 1,500 | N | [6,100] 6,200 | [G] | 9,500 | S | 9,500 | S | 1,500 | N | [6,100] 6,200 | [G] | 1,500 | N |
| HEXAZINONE | 51235-04-2 | 400 | H | 400 | H | 40,000 | H | 40,000 | H | 400 | H | 400 | H | 400 | H |
| HEXYTHIAZOX (SAVEY) | 78587-05-0 | 500 | S | 500 | S | 500 | S | 500 | S | 500 | S | 500 | S | 500 | S |
| HMX | 2691-41-0 | 400 | H | 400 | H | 5,000 | S | 5,000 | S | 400 | H | 400 | H | 400 | H |
| HYDRAZINE/HYDRAZINE SULFATE | 302-01-2 | 0.01 | N | 0.051 | N | 1 | N | 5.1 | N | 0.1 | N | 0.51 | N | 0.51 | N |
| HYDROQUINONE | 123-31-9 | 12 | G | [46] 57 | G | 1,200 | G | [4,600] 5,700 | G | 12,000 | G | [46,000] 57,000 | G | 12,000 | G |
| INDENO[1,2,3-CD]PYRENE | 193-39-5 | [0.29] 0.31 | G | [3.6] 4.7 | G | [29] 31 | G | 62 | S | 62 | S | 62 | S | 62 | S |
| IPIODIONE | 36734-19-7 | [1,500] 1,700 | G | [4,100] 4,700 | G | 13,000 | S | 13,000 | S | [1,500] 1,700 | G | [4,100] 4,700 | G | [1,500] 1,700 | G |
| ISOBUTYL ALCOHOL | 78-83-1 | [11,000] 13,000 | G | [31,000] 35,000 | G | [1,100,000] 1,300,000 | G | [3,100,000] 3,500,000 | G | [1,100,000] 1,300,000 | G | [3,100,000] 3,500,000 | G | [1,100,000] 1,300,000 | G |
| ISOPHORONE | 78-59-1 | 100 | H | 100 | H | 10,000 | H | 10,000 | H | 100 | H | 100,000 | H | 100,000 | H |
| ISOPROPYL METHYLPHOSPHONATE | 1832-54-8 | 700 | H | 700 | H | 70,000 | H | 70,000 | H | 700 | H | 700 | H | 700 | H |
| KEPONE | 143-50-0 | [0.041] 0.073 | G | [0.16] 0.34 | G | [4.1] 7.3 | G | [16] 34 | G | [4.1] 7.3 | G | [16] 34 | G | [4.1] 7.3 | G |
| MALATHION | 121-75-5 | 500 | H | 500 | H | 50,000 | H | 50,000 | H | 500 | H | 140,000 | S | 140,000 | S |
| MALEIC HYDRAZIDE | 123-33-1 | 4,000 | H | 4,000 | H | 400,000 | H | 400,000 | H | 4,000 | H | 4,000 | H | 4,000 | H |
| MANEB | 12427-38-2 | [180] 210 | G | [510] 580 | G | [18,000] 21,000 | G | 23,000 | S | [180] 210 | G | [510] 580 | G | [180] 210 | G |
| MERPHOS OXIDE | 78-48-8 | [1.1] 1.3 | G | [3.1] 3.5 | G | [110] 130 | G | [310] 350 | G | [1.1] 1.3 | G | [3.1] 3.5 | G | [1.1] 1.3 | G |
| METHACRYLONITRILE | 126-98-7 | [1.5] 4.2 | [N] | [6.2] 12 | [N] | [150] 420 | [N] | [620] 1,200 | [N] | [1.5] 4.2 | [N] | [6.2] 12 | [N] | [1.5] 4.2 | [N] |
| METHAMIDOPHOS | 10265-92-6 | [1.8] 2.1 | G | [5.1] 5.8 | G | [180] 210 | G | [510] 580 | G | [1.8] 2.1 | G | [5.1] 5.8 | G | [1.8] 2.1 | G |
| METHANOL | 67-56-1 | [8,400] 42,000 | N | [35,000] 180,000 | N | [840,000] 4,200,000 | N | [3,500,000] 18,000,000 | N | [840,000] 4,200,000 | N | [3,500,000] 18,000,000 | N | [840,000] 4,200,000 | N |
| METHOMYL | 16752-77-5 | 200 | H | 200 | H | 20,000 | H | 20,000 | H | 200 | H | 200 | H | 200 | H |
| METHOXYCHLOR | 72-43-5 | 40 | M | 40 | M | 45 | S | 45 | S | 40 | M | 45 | S | 45 | S |
| METHOXYETHANOL, 2- | 109-86-4 | 42 | N | 180 | N | 4,200 | N | 18,000 | N | 42 | N | 180 | N | 42 | N |
| METHYL ACETATE | 79-20-9 | [37,000] 42,000 | G | [100,000] 120,000 | G | [3,700,000] 4,200,000 | G | [10,000,000] 12,000,000 | G | [37,000] 42,000 | G | [100,000] 120,000 | G | [37,000] 42,000 | G |
| METHYL ACRYLATE | 96-33-3 | [1,100] 42 | [G] | [3,100] 180 | [G] | [110,000] 4,200 | [G] | [310,000] 18,000 | [G] | [1,100] 42 | [G] | [3,100] 180 | [G] | [1,100] 42 | [G] |
| METHYL CHLORIDE | 74-87-3 | 30 | H | 30 | H | 3,000 | H | 3,000 | H | 30 | H | 3,000 | H | 30 | H |

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|--------------------------------------|------------|---------------|-----------------|---|-------------------|-------------------|---|-------------------|-------------------|---|-------------------|----|-------------------|---|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | | |
| | | R | NR | H | R | NR | H | R | NR | H | R | NR | H | |
| METHYL ETHYL KETONE | 78-93-3 | 4,000 | 4,000 | H | 4,000 | 4,000 | H | 400,000 | 400,000 | H | 400,000 | H | 400,000 | H |
| METHYL HYDRAZINE | 60-34-4 | 0.042 | 0.18 | N | 0.18 | 4.2 | N | 18 | 18 | N | 0.42 | N | 1.8 | N |
| METHYL ISOBUTYL KETONE | 108-10-1 | [2,900] 3,300 | [8,200] 9,300 | G | [290,000] 330,000 | [290,000] 330,000 | G | [820,000] 930,000 | [820,000] 930,000 | G | [290,000] 330,000 | G | [820,000] 930,000 | G |
| METHYL ISOCYANATE | 624-83-9 | 2.1 | 8.8 | N | 210 | 210 | N | 880 | 880 | N | 2.1 | N | 8.8 | N |
| METHYL N-BUTYL KETONE (2-HEXANONE) | 591-78-6 | [111] 63 | [44] 260 | N | [1,100] 6,300 | [1,100] 6,300 | N | [4,400] 26,000 | [4,400] 26,000 | N | [11] 63 | N | [44] 260 | N |
| METHYL METHACRYLATE | 80-62-6 | 1,500 | 6,200 | N | 150,000 | 150,000 | N | 620,000 | 620,000 | N | 150,000 | N | 620,000 | N |
| METHYL METHANESULFONATE | 66-27-3 | [6.7] 7.4 | [26] 34 | G | [670] 740 | [670] 740 | G | [2,600] 3,400 | [2,600] 3,400 | G | [6.7] 7.4 | G | [26] 34 | G |
| METHYL PARATHION | 298-00-0 | 1 | 1 | H | 100 | 100 | H | 100 | 100 | H | 1,000 | H | 1,000 | H |
| METHYL STYRENE (MIXED ISOMERS) | 25013-15-4 | 84 | 350 | N | 8,400 | 8,400 | N | 35,000 | 35,000 | N | 84 | N | 350 | N |
| METHYL TERT-BUTYL ETHER (MTBE) | 1634-04-4 | 20 | 20 | H | 2,000 | 2,000 | H | 2,000 | 2,000 | H | 200 | H | 200 | H |
| METHYLCHLOROPHENOXACETIC ACID (MCPA) | 94-74-6 | 30 | 30 | H | 3,000 | 3,000 | H | 3,000 | 3,000 | H | 30,000 | H | 30,000 | H |
| METHYLENE BIS(2-CHLOROANILINE), 4,4' | 101-14-4 | [2.2] 2.3 | [26] 34 | G | [220] 230 | [220] 230 | G | [2,600] 3,400 | [2,600] 3,400 | G | [2.2] 2.3 | G | [26] 34 | G |
| METHYLNAPHTHALENE, 2- | 91-57-6 | [150] 170 | [410] 470 | G | [15,000] 17,000 | [15,000] 17,000 | G | 25,000 | 25,000 | S | [150] 170 | G | [410] 470 | G |
| METHYLSTYRENE, ALPHA | 98-83-9 | [2,600] 2,900 | [7,200] 8,200 | G | [260,000] 290,000 | [260,000] 290,000 | G | 560,000 | 560,000 | S | [2,600] 2,900 | G | [7,200] 8,200 | G |
| METOLACHLOR | 51218-45-2 | 700 | 700 | H | 70,000 | 70,000 | H | 70,000 | 70,000 | H | 700 | H | 700 | H |
| METRIBUZIN | 21087-64-9 | 70 | 70 | H | 7,000 | 7,000 | H | 7,000 | 7,000 | H | 70 | H | 70 | H |
| MONOCHLOROACETIC ACID (HAA) | 79-11-8 | [70] 60 | [70] 60 | H | [7,000] 6,000 | [7,000] 6,000 | H | [7,000] 6,000 | [7,000] 6,000 | H | [70] 60 | H | [70] 60 | H |
| NAPHTHALENE | 91-20-3 | 100 | 100 | H | 10,000 | 10,000 | H | 10,000 | 10,000 | H | 30,000 | S | 30,000 | S |
| NAPHTHYLAMINE, 1- | 134-32-7 | [0.37] 0.41 | [1.4] 1.9 | G | [37] 41 | [37] 41 | G | [140] 190 | [140] 190 | G | [370] 410 | G | [1,400] 1,900 | G |
| NAPHTHYLAMINE, 2- | 91-59-8 | [0.37] 0.41 | [1.4] 1.9 | G | [37] 41 | [37] 41 | G | [140] 190 | [140] 190 | G | [370] 410 | G | [1,400] 1,900 | G |
| NAPROPAMIDE | 15299-99-7 | [3,700] 4,200 | [10,000] 12,000 | G | 70,000 | 70,000 | S | 70,000 | 70,000 | S | [3,700] 4,200 | G | [10,000] 12,000 | G |
| NITROANILINE, M- | 99-09-2 | [11] 13 | [31] 35 | G | [1,100] 1,300 | [1,100] 1,300 | G | [3,100] 3,500 | [3,100] 3,500 | G | [11] 13 | G | [31] 35 | G |
| NITROANILINE, O- | 88-74-4 | [110] 420 | [310] 1,200 | G | [11,000] 42,000 | [11,000] 42,000 | G | [31,000] 120,000 | [31,000] 120,000 | G | [110] 420 | G | [310] 1,200 | G |
| NITROANILINE, P- | 100-01-6 | [33] 37 | [130] 170 | G | [3,300] 3,700 | [3,300] 3,700 | G | [13,000] 17,000 | [13,000] 17,000 | G | [33] 37 | G | [130] 170 | G |
| NITROBENZENE | 98-95-3 | [73] 83 | [200] 250 | G | [7,300] 8,300 | [7,300] 8,300 | G | [20,000] 23,000 | [20,000] 23,000 | G | [73,000] 83,000 | G | [200,000] 230,000 | G |

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| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | H | NR | R | H | NR | R | H | NR | R | H | NR |
| NITROGUANIDINE | 556-88-7 | 700 | H | 700 | H | 70,000 | H | 70,000 | H | 700 | H | 700 | H |
| NITROPHENOL, 2- | 88-75-5 | [290] 330 | G | [820] 930 | G | [29,000] 33,000 | G | [82,000] 93,000 | G | [290,000] 330,000 | G | [820,000] 930,000 | G |
| NITROPHENOL, 4- | 100-02-7 | 60 | H | 60 | H | 6,000 | H | 6,000 | H | 60,000 | H | 60,000 | H |
| NITROPROPANE, 2- | 79-46-9 | 0.018 | N | 0.093 | N | 1.8 | N | 9.3 | N | 0.18 | N | 0.93 | N |
| NITROSODIETHYLAMINE, N- | 55-18-5 | 0.00045 | N | 0.0058 | N | 0.045 | N | 0.58 | N | 0.0045 | N | 0.058 | N |
| NITROSODIMETHYLAMINE, N- | 62-75-9 | 0.0014 | N | 0.018 | N | 0.14 | N | 1.8 | N | 0.014 | N | 0.18 | N |
| NITROSO-DI-N-BUTYLAMINE, N- | 924-16-3 | [0.12] 0.14 | G | [0.48] 0.63 | G | [12] 14 | G | [48] 63 | G | [120] 140 | G | [480] 630 | G |
| NITROSODI-N-PROPYLAMINE, N- | 621-64-7 | [0.094] 0.1 | G | [0.37] 0.49 | G | [9.4] 10 | G | [37] 49 | G | [94] 100 | G | [370] 490 | G |
| NITROSODIPHENYLAMINE, N- | 86-30-6 | [130] 150 | G | [530] 690 | G | [13,000] 15,000 | G | 35,000 | S | 35,000 | S | 35,000 | S |
| NITROSO-N-ETHYLUREA, N- | 759-73-9 | [0.008] 0.0084 | G | [0.096] 0.13 | G | [0.8] 0.84 | G | [9.6] 13 | G | [8] 8.4 | G | [96] 130 | G |
| OCTYL PHTHALATE, DI-N- | 117-84-0 | [1,500] 420 | G | [3,000] 1,200 | G | 3,000 | S | 3,000 | S | 3,000 | S | 3,000 | S |
| OXAMYL (VYDATE) | 23135-22-0 | 200 | M | 200 | M | 20,000 | M | 20,000 | M | 200 | M | 200 | M |
| PARAQUAT | 1910-42-5 | 30 | H | 30 | H | 3,000 | H | 3,000 | H | 30 | H | 30 | H |
| PARATHION | 56-38-2 | [220] 250 | G | [610] 700 | G | 20,000 | S | 20,000 | S | [220] 250 | G | [610] 700 | G |
| PCB-1016 (AROCLOR) | 12674-11-2 | [2.6] 2.9 | G | [7.2] 8.2 | G | 250 | S | 250 | S | [2.6] 2.9 | G | [7.2] 8.2 | G |
| PCB-1221 (AROCLOR) | 11104-28-2 | [0.33] 0.37 | G | [1.3] 1.7 | G | [33] 37 | G | [130] 170 | G | [0.33] 0.37 | G | [1.3] 1.7 | G |
| PCB-1232 (AROCLOR) | 11141-16-5 | [0.33] 0.37 | G | [1.3] 1.7 | G | [33] 37 | G | [130] 170 | G | [0.33] 0.37 | G | [1.3] 1.7 | G |
| PCB-1242 (AROCLOR) | 53469-21-9 | [0.33] 0.37 | G | [1.3] 1.7 | G | [33] 37 | G | 100 | S | [0.33] 0.37 | G | [1.3] 1.7 | G |
| PCB-1248 (AROCLOR) | 12672-29-6 | [0.33] 0.37 | G | [1.3] 1.7 | G | [33] 37 | G | 54 | S | [0.33] 0.37 | G | [1.3] 1.7 | G |
| PCB-1254 (AROCLOR) | 11097-69-1 | [0.33] 0.37 | G | [1.3] 1.7 | G | [33] 37 | G | 57 | S | [0.33] 0.37 | G | [1.3] 1.7 | G |
| PCB-1260 (AROCLOR) | 11096-82-5 | [0.33] 0.37 | G | [1.3] 1.7 | G | [33] 37 | G | 80 | S | [0.33] 0.37 | G | [1.3] 1.7 | G |
| PEBULATE | 1114-71-2 | [1,800] 2,100 | G | [5,100] 5,800 | G | 92,000 | S | 92,000 | S | [1,800] 2,100 | G | [5,100] 5,800 | G |
| PENTACHLORO BENZENE | 608-93-5 | [29] 33 | G | [82] 93 | G | 740 | S | 740 | S | 740 | S | 740 | S |
| PENTACHLOROETHANE | 76-01-7 | [7.3] 8.1 | G | [29] 38 | G | [730] 810 | G | [2,900] 3,800 | G | [7.3] 8.1 | G | [29] 38 | G |
| PENTACHLORONITROBENZENE | 82-68-8 | [2.5] 2.8 | G | [10] 13 | G | [250] 280 | G | 440 | S | 440 | S | 440 | S |
| PENTACHLOROPHENOL | 87-86-5 | 1 | M | 1 | M | 100 | M | 100 | M | 1,000 | M | 1,000 | M |
| PHENACETIN | 62-44-2 | [300] 330 | G | [1,200] 1,500 | G | [30,000] 33,000 | G | [120,000] 150,000 | G | [300,000] 330,000 | G | 760,000 | S |
| PHENANTHRENE | 85-01-8 | 1,100 | S | 1,100 | S | 1,100 | S | 1,100 | S | 1,100 | S | 1,100 | S |

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HAA5 – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

APPENDIX A
TABLE 1—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|----------------------------------|------------|-----------------|-------|-------------------|------------|-----------------------|---|-------------------------|----|-------------------|-------|-------------------|-------|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | H | R | NR | H | R | NR | H | R | NR | H |
| PHENOL | 108-95-2 | 2,000 | H | 200,000 | H | 200,000 | H | 200,000 | H | 200,000 | H | 200,000 | H |
| PHENYL MERCAPTAN | 108-98-5 | [0.37] 42 | G | [37] 4,200 | G | [100] 12,000 | G | [0.37] 42 | G | [1] 120 | G | [1] 120 | G |
| PHENYLENEDIAMINE, M- | 108-45-2 | [220] 250 | G | [610] 700 | G | [22,000] 25,000 | G | [61,000] 70,000 | G | [220,000] 250,000 | G | [610,000] 700,000 | G |
| PHENYLPHENOL, 2- | 90-43-7 | [350] 380 | G | [1,400] 1,800 | G | [35,000] 38,000 | G | [140,000] 180,000 | G | [350,000] 380,000 | G | [700,000] 700,000 | S |
| PHORATE | 298-02-2 | [7.3] 8.3 | G | [20] 23 | G | [730] 830 | G | [2,000] 2,300 | G | [7.3] 8.3 | G | [20] 23 | G |
| PHTHALIC ANHYDRIDE | 85-44-9 | [73,000] 83,000 | G | [200,000] 230,000 | G | 6,200,000 | S | 6,200,000 | S | 6,200,000 | S | 6,200,000 | S |
| PICLORAM | 1918-02-1 | 500 | M | 500 | M | 50,000 | M | 50,000 | M | 500 | M | 500 | M |
| POLYCHLORINATED BIPHENYLS (PCBS) | 1336-36-3 | 0.5 | M | 0.5 | M | 50 | M | 50 | M | 0.5 | M | 0.5 | M |
| PROMETON | 1610-18-0 | 400 | H | 400 | H | 40,000 | H | 40,000 | H | 400 | H | 400 | H |
| PRONAMIDE | 23950-58-5 | [2,700] 3,100 | G | [7,700] 8,800 | G | 15,000 | S | 15,000 | S | [2,700] 3,100 | G | [7,700] 8,800 | G |
| PROPANIL | 709-98-8 | [180] 210 | G | [510] 580 | G | [18,000] 21,000 | G | [51,000] 58,000 | G | [180] 210 | G | [510] 580 | G |
| PROPANOL, 2- (ISOPROPYL ALCOHOL) | 67-63-0 | 15,000 | N | 62,000 | N | 1,500,000 | N | 6,200,000 | N | 15,000 | N | 62,000 | N |
| PROPAZINE | 139-40-2 | 10 | H | 10 | H | 1,000 | H | 1,000 | H | 10 | H | 10 | H |
| PROPHAM | 122-42-9 | 100 | H | 100 | H | 10,000 | H | 10,000 | H | 100 | H | 100 | H |
| PROPYLBENZENE, N- | 103-65-1 | [1,500] 2,100 | [G] N | [4,100] 8,800 | [G] N | 52,000 | S | 52,000 | S | [1,500] 2,100 | [G] N | [4,100] 8,800 | [G] N |
| PROPYLENE OXIDE | 75-56-9 | [2.8] 3 | G | [11] 14 | G | [280] 300 | G | [1,100] 1,400 | G | [2.8] 3 | G | [11] 14 | G |
| PYRENE | 129-00-0 | 130 | S | 130 | S | 130 | S | 130 | S | 130 | S | 130 | S |
| PYRIDINE | 110-86-1 | [37] 42 | G | [100] 120 | G | [3,700] 4,200 | G | [10,000] 12,000 | G | [37] 42 | G | [100] 120 | G |
| QUINOLINE | 91-22-5 | [0.22] 0.24 | G | [0.87] 1.1 | G | [22] 24 | G | [87] 110 | G | [0.22] 0.24 | G | [0.87] 1.1 | G |
| QUIZALOFOP (ASSURE) | 76578-14-8 | 300 | S | 300 | S | 300 | S | 300 | S | 300 | S | 300 | S |
| RDX | 121-82-4 | 2 | H | 2 | H | 200 | H | 200 | H | 2 | H | 2 | H |
| RESORCINOL | 108-46-3 | [73,000] 83,000 | G | [200,000] 230,000 | G | [7,300,000] 8,300,000 | G | [20,000,000] 23,000,000 | G | [73,000] 83,000 | G | [200,000] 230,000 | G |
| RONNEL | 299-84-3 | [1,800] 2,100 | G | [5,100] 5,800 | G | 40,000 | S | 40,000 | S | [1,800] 2,100 | G | [5,100] 5,800 | G |
| SIMAZINE | 122-34-9 | 4 | M | 4 | M | 400 | M | 400 | M | 4 | M | 4 | M |
| STRYCHNINE | 57-24-9 | [11] 13 | G | [31] 35 | G | [1,100] 1,300 | G | [3,100] 3,500 | G | [11] 13 | G | [31] 35 | G |

All concentrations in µg/L
M = Maximum Contaminant Level
H = Lifetime health advisory level
NR = Non-Residential
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

APPENDIX A
TABLE 1—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN GROUNDWATER

| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|--|------------|-----------------|----|---------------|------------|-------------------|---|------------------|----|----------------|----|------------------|---|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | M | R | NR | M | R | NR | M | R | NR | M |
| STYRENE | 100-42-5 | 100 | M | 100 | M | 10,000 | M | 10,000 | M | 10,000 | M | 10,000 | M |
| TEBUTHIURON | 34014-18-1 | 500 | H | 500 | H | 50,000 | H | 50,000 | H | 50,000 | H | 500 | H |
| TERBACIL | 5902-51-2 | 90 | H | 90 | H | 9,000 | H | 9,000 | H | 9,000 | H | 90 | H |
| TERBUFOS | 13071-79-9 | 0.4 | H | 0.4 | H | 40 | H | 40 | H | 40 | H | 0.4 | H |
| TETRACHLOROBENZENE, 1,2,4,5- | 95-94-3 | [111] 13 | G | [311] 35 | G | 580 | S | 580 | S | 580 | S | 580 | S |
| TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD) | 1746-01-6 | 0.00003 | M | 0.00003 | M | 0.003 | M | 0.003 | M | 0.003 | M | 0.019 | S |
| TETRACHLOROETHANE, 1,1,1,2- | 630-20-6 | 70 | H | 70 | H | 7,000 | H | 7,000 | H | 7,000 | H | 7,000 | H |
| TETRACHLOROETHANE, 1,1,2,2- | 79-34-5 | 0.84 | N | 4.3 | N | 84 | N | 430 | N | 84 | N | 430 | N |
| TETRACHLOROETHYLENE (PCE) | 127-18-4 | 5 | M | 5 | M | 500 | M | 500 | M | 50 | M | 50 | M |
| TETRACHLOROPHENOL, 2,3,4,6- | 58-90-2 | [1,100] 1,300 | G | [3,100] 3,500 | G | [110,000] 130,000 | G | 180,000 | S | 180,000 | S | 180,000 | S |
| TETRAETHYL LEAD | 78-00-2 | [0.0037] 0.0042 | G | [0.01] 0.012 | G | [0.37] 0.42 | G | 1 | G | [3.7] 4.2 | G | [10] 12 | G |
| TETRAETHYLTHIOPROPHOSPHATE | 3689-24-5 | [18] 21 | G | [51] 58 | G | [1,800] 2,100 | G | [5,100] 5,800 | G | [18] 21 | G | [51] 58 | G |
| TETRAHYDROFURAN | 109-99-9 | [25] 26 | N | 130 | N | [2,500] 2,600 | N | 13,000 | N | [25] 26 | N | 130 | N |
| THIOFANOX | 39196-18-4 | [11] 13 | G | [31] 35 | G | [1,100] 1,300 | G | [3,100] 3,500 | G | [11] 13 | G | [31] 35 | G |
| THIRAM | 137-26-8 | [180] 210 | G | [510] 580 | G | [18,000] 21,000 | G | 30,000 | S | [180] 210 | G | [510] 580 | G |
| TOLUENE | 108-88-3 | 1,000 | M | 1,000 | M | 100,000 | M | 100,000 | M | 100,000 | M | 100,000 | M |
| TOLUIDINE, M- | 108-44-1 | [3.7] 4.1 | G | [14] 19 | G | [370] 410 | G | [1,400] 1,900 | G | [3.7] 4.1 | G | [14] 19 | G |
| TOLUIDINE, O | 95-53-4 | [3.7] 46 | G | [14] 210 | G | [370] 4,600 | G | [1,400] 21,000 | G | [3,700] 46,000 | G | [14,000] 210,000 | G |
| TOLUIDINE, P- | 106-49-0 | [3.5] 24 | G | [14] 110 | G | [350] 2,400 | G | [1,400] 11,000 | G | [3.5] 24 | G | [14] 110 | G |
| TOXAPHENE | 8001-35-2 | 3 | M | 3 | M | 300 | M | 300 | M | 3 | M | 3 | M |
| TRIALATE | 2303-17-5 | [470] 540 | G | [1,300] 1,500 | G | 4,000 | S | 4,000 | S | [470] 540 | G | [1,300] 1,500 | G |
| TRIBROMOMETHANE (BROMOFORM) (THM) | 75-25-2 | 80 | M | 80 | M | 8,000 | M | 8,000 | M | 8,000 | M | 8,000 | M |
| TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,1,2- | 76-13-1 | 63,000 | N | 170,000 | S | 170,000 | S | 170,000 | S | 170,000 | S | 170,000 | S |
| TRICHLOROACETIC ACID (HAA) | 76-03-9 | 60 | H | 60 | H | 6,000 | H | 6,000 | H | 60 | H | 60 | H |
| TRICHLOROBENZENE, 1,2,4- | 120-82-1 | 70 | M | 70 | M | 7,000 | M | 7,000 | M | 44,000 | S | 44,000 | S |
| TRICHLOROBENZENE, 1,3,5- | 108-70-3 | 40 | H | 40 | H | 4,000 | H | 4,000 | H | 40 | H | 40 | H |
| TRICHLOROETHANE, 1,1,1- | 71-55-6 | 200 | M | 200 | M | 20,000 | M | 20,000 | M | 2,000 | M | 2,000 | M |

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| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|--|------------|---------------|-------|-------------------|------------|-----------------|-------|------------------|-------|-----------------|-------|-------------------|-------|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | R | R | NR | NR | R | R | NR | R | R | NR |
| TRICHLOROETHANE, 1,1,2- | 79-00-5 | 5 | M | 500 | M | 500 | M | 500 | M | 50 | M | 50 | M |
| TRICHLOROETHYLENE (TCE) | 79-01-6 | 5 | M | 500 | M | 500 | M | 500 | M | 50 | M | 50 | M |
| TRICHLOROPHENOL, 2,4,5- | 95-95-4 | [3,700] 4,200 | G | [370,000] 420,000 | G | 1,000,000 | [G] | 1,000,000 | S | 1,000,000 | S | 1,000,000 | S |
| TRICHLOROPHENOL, 2,4,6- | 88-06-2 | [37] 42 | G | [3,700] 4,200 | G | [10,000] 12,000 | G | [10,000] 12,000 | G | [37,000] 42,000 | G | [100,000] 120,000 | G |
| TRICHLOROPHENOXYACETIC ACID, 2,4,5-(2,4,5-T) | 93-76-5 | 70 | H | 7,000 | H | 7,000 | H | 7,000 | H | 70,000 | H | 70,000 | H |
| TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5-(2,4,5-TP) | 93-72-1 | 50 | M | 5,000 | M | 5,000 | M | 5,000 | M | 50 | M | 50 | M |
| TRICHLOROPROPANE, 1,1,2- | 598-77-6 | [180] 210 | G | [18,000] 21,000 | G | [510] 580 | G | [51,000] 58,000 | G | [180] 210 | G | [510] 580 | G |
| TRICHLOROPROPANE, 1,2,3- | 96-18-4 | 40 | H | 4,000 | H | 4,000 | H | 4,000 | H | 4,000 | H | 4,000 | H |
| TRICHLOROPROPENE, 1,2,3- | 96-19-5 | [2.1] 0.63 | N | [210] 63 | N | [8.8] 2.6 | N | [880] 260 | N | [2.1] 0.63 | N | [8.8] 2.6 | N |
| TRIETHYLAMINE | 121-44-8 | 15 | N | 1,500 | N | 62 | N | 6,200 | N | 15 | N | 62 | N |
| TRIFLURALIN | 1582-09-8 | 10 | H | 1,000 | H | 10 | H | 1,000 | H | 10 | H | 10 | H |
| TRIMETHYLBENZENE, 1,3,4-(TRIMETHYLBENZENE, 1,2,4-) | 95-63-6 | 15 | N | 1,500 | N | 62 | N | 6,200 | N | 1,500 | N | 6,200 | N |
| TRIMETHYLBENZENE, 1,3,5- | 108-67-8 | [13] 420 | [N] G | [1,300] 42,000 | [N] G | [53] 1,200 | [N] G | [5,300] 49,000 | [N] S | [13] 420 | [N] G | [53] 1,200 | [N] G |
| TRINITROGLYCEROL (NITROGLYCERIN) | 55-63-0 | 5 | H | 500 | H | 5 | H | 500 | H | 5 | H | 5 | H |
| TRINITROLUENE, 2,4,6- | 118-96-7 | 2 | H | 200 | H | 2 | H | 200 | H | 2 | H | 2 | H |
| VINYL ACETATE | 108-05-4 | 420 | N | 42,000 | N | 1,800 | N | 180,000 | N | 420 | N | 1,800 | N |
| VINYL BROMIDE (BROMOETHENE) | 593-60-2 | 1.5 | N | 150 | N | 7.8 | N | 780 | N | 15 | N | 78 | N |
| VINYL CHLORIDE | 75-01-4 | 2 | M | 200 | M | 2 | M | 200 | M | 20 | M | 20 | M |
| WARFARIN | 81-81-2 | [11] 13 | G | [1,100] 1,300 | G | [31] 35 | G | [3,100] 3,500 | G | [11,000] 13,000 | G | 17,000 | S |
| XYLENES (TOTAL) | 1330-20-7 | 10,000 | M | 180,000 | S | 10,000 | M | 180,000 | S | 180,000 | S | 180,000 | S |
| ZINEB | 12122-67-7 | [1,800] 2,100 | G | 10,000 | S | [5,100] 5,800 | G | 10,000 | S | [1,800] 2,100 | G | [5,100] 5,800 | G |

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 G = Ingestion
 N = Inhalation
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| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|----------------------|------------|-----------------|----|-----------------|------------|-----------------------|---|-----------------------|----|-------------------------|----|-------------------------|---|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | |
| | | R | NR | M | R | NR | M | R | NR | M | R | NR | |
| ANTIMONY | 7440-36-0 | 6 | M | 6 | M | 600 | M | 600 | M | 6,000 | M | 6,000 | M |
| ARSENIC | 7440-38-2 | 10 | M | 10 | M | 1,000 | M | 1,000 | M | 10,000 | M | 10,000 | M |
| ASBESTOS (fibers/L) | 12001-29-5 | 7,000,000 | M | 7,000,000 | M | 7,000,000 | M | 7,000,000 | M | 7,000,000 | M | 7,000,000 | M |
| BARIUM AND COMPOUNDS | 7440-39-3 | 2,000 | M | 2,000 | M | 200,000 | M | 200,000 | M | 2,000,000 | M | 2,000,000 | M |
| BERYLLIUM | 7440-41-7 | 4 | M | 4 | M | 400 | M | 400 | M | 4,000 | M | 4,000 | M |
| BORON AND COMPOUNDS | 7440-42-8 | 6,000 | H | 6,000 | H | 600,000 | H | 600,000 | H | 6,000,000 | H | 6,000,000 | H |
| CADMIUM | 7440-43-9 | 5 | M | 5 | M | 500 | M | 500 | M | 5,000 | M | 5,000 | M |
| CHROMIUM, TOTAL | 7440-47-3 | 100 | M | 100 | M | 10,000 | M | 10,000 | M | 100,000 | M | 100,000 | M |
| COBALT | 7440-48-4 | [11] 13 | G | [31] 35 | G | [1,100] 1,300 | G | [3,100] 3,500 | G | [11,000] 13,000 | G | [31,000] 35,000 | G |
| COPPER | 7440-50-8 | 1,000 | M | 1,000 | M | 100,000 | M | 100,000 | M | 1,000,000 | M | 1,000,000 | M |
| CYANIDE, FREE | 57-12-5 | 200 | M | 200 | M | 20,000 | M | 20,000 | M | 200,000 | M | 200,000 | M |
| FLUORIDE | 16984-48-8 | 4,000 | M | 4,000 | M | 400,000 | M | 400,000 | M | 4,000,000 | M | 4,000,000 | M |
| LEAD | 7439-92-1 | 5 | M | 5 | M | 500 | M | 500 | M | 5,000 | M | 5,000 | M |
| LITHIUM | 7439-93-2 | [73] 83 | G | [200] 230 | G | [7,300] 8,300 | G | [20,000] 23,000 | G | [73,000] 83,000 | G | [200,000] 230,000 | G |
| MANGANESE | 7439-96-5 | 300 | H | 300 | H | 30,000 | H | 30,000 | H | 300,000 | H | 300,000 | H |
| MERCURY | 7439-97-6 | 2 | M | 2 | M | 200 | M | 200 | M | 2,000 | M | 2,000 | M |
| MOLYBDENUM | 7439-98-7 | 40 | H | 40 | H | 4,000 | H | 4,000 | H | 40,000 | H | 40,000 | H |
| NICKEL | 7440-02-0 | 100 | H | 100 | H | 10,000 | H | 10,000 | H | 100,000 | H | 100,000 | H |
| NITRATE NITROGEN | 14797-55-8 | 10,000 | M | 10,000 | M | 1,000,000 | M | 1,000,000 | M | 10,000,000 | M | 10,000,000 | M |
| NITRITE NITROGEN | 14797-65-0 | 1,000 | M | 1,000 | M | 100,000 | M | 100,000 | M | 1,000,000 | M | 1,000,000 | M |
| PERCHLORATE | 7790-98-9 | 15 | H | 15 | H | 1,500 | H | 1,500 | H | 15,000 | H | 15,000 | H |
| SELENIUM | 7782-49-2 | 50 | M | 50 | M | 5,000 | M | 5,000 | M | 50,000 | M | 50,000 | M |
| SILVER | 7440-22-4 | 100 | H | 100 | H | 10,000 | H | 10,000 | H | 100,000 | H | 100,000 | H |
| STRONTIUM | 7440-24-6 | 4,000 | H | 4,000 | H | 400,000 | H | 400,000 | H | 4,000,000 | H | 4,000,000 | H |
| THALLIUM | 7440-28-0 | 2 | M | 2 | M | 200 | M | 200 | M | 2,000 | M | 2,000 | M |
| TIN | 7440-31-5 | [22,000] 25,000 | G | [61,000] 70,000 | G | [2,200,000] 2,500,000 | G | [6,100,000] 7,000,000 | G | [22,000,000] 25,000,000 | G | [61,000,000] 70,000,000 | G |

All concentrations in µg/L (except asbestos)
M = Maximum Contaminant Level
H = Lifetime Health Advisory Level
SMCL = Secondary Maximum Contaminant Level
G = Ingestion
N = Inhalation
R = Residential
NR = Non Residential

APPENDIX A
 TABLE 2—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR INORGANIC REGULATED SUBSTANCES IN GROUNDWATER

| REGULATED SUBSTANCE | CASRN | USED AQUIFERS | | | | | | NON-USE AQUIFERS | | | | | |
|---------------------|-----------|---------------|----|-----------|------------|--------------|-------|------------------|----|-----------------|---|-----------------|-------|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | NR | | | |
| | | R | NR | UNITS | R | NR | UNITS | R | NR | UNITS | R | NR | UNITS |
| VANADIUM | 7440-62-2 | [2600] 2.9 | G | [720] 8.2 | G | [26,000] 290 | G | [72,000] 820 | G | [260,000] 2,900 | G | [720,000] 8,200 | G |
| ZINC AND COMPOUNDS | 7440-66-6 | 2,000 | H | 2,000 | H | 200,000 | H | 200,000 | H | 2,000,000 | H | 2,000,000 | H |

| SECONDARY CONTAMINANTS | | | |
|------------------------|-----------|---------|-------|
| REGULATED SUBSTANCE | CASRN | SMCL | UNITS |
| ALUMINUM | 7429-90-5 | 200 | µg/L |
| CHLORIDE | 7647-14-5 | 250,000 | µg/L |
| FLUORIDE | 7681-49-4 | 2,000 | µg/L |
| IRON | 7439-89-6 | 300 | µg/L |
| MANGANESE | 7439-96-5 | 50 | µg/L |
| SULFATE | 7757-82-6 | 250,000 | µg/L |

All concentrations in µg/L (except asbestos)
 M = Maximum Contaminant Level
 H = Lifetime Health Advisory Level
 SMCL = Secondary Maximum Contaminant Level
 G = Ingestion
 N = Inhalation
 R = Residential
 NR = Non Residential

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 TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | | Non-Residential | | | |
|--------------------------------|------------|--------------------------|---|-----------------------------|----------|---------------------------------|----------|
| | | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| ACENAPHTHENE | 83-32-9 | 13,000 | G | [170,000] 190,000 | [G] C | 190,000 | C |
| ACENAPHTHYLENE | 208-96-8 | 13,000 | G | [170,000] 190,000 | [G] C | 190,000 | C |
| ACEPHATE | 30560-19-1 | 880 | G | [9,100] 10,000 | G | 190,000 | C |
| ACETALDEHYDE | 75-07-0 | 170 | N | 720 | N | 830 | N |
| ACETONE | 67-64-1 | 10,000 | C | 10,000 | C | 10,000 | C |
| ACETONITRILE | 75-05-8 | 1,100 | N | 4,800 | N | 5,500 | N |
| ACETOPHENONE | 98-86-2 | 10,000 | C | 10,000 | C | 10,000 | C |
| ACETYLAMINOFLUORENE, 2- (2AAF) | 53-96-3 | [4.7] 4.9 | G | [21] 24 | G | 190,000 | C |
| ACROLEIN | 107-02-8 | 0.38 | N | 1.6 | N | 1.8 | N |
| ACRYLAMIDE | 79-06-1 | [0.34] 1.7 | N | [1.7] 22 | N | [2] 26 | N |
| ACRYLIC ACID | 79-10-7 | 19 | N | 79 | N | 91 | N |
| ACRYLONITRILE | 107-13-1 | 6.6 | N | 33 | N | 38 | N |
| ALACHLOR | 15972-60-8 | [320] 330 | G | [1,400] 1,600 | G | 190,000 | C |
| ALDICARB | 116-06-3 | 220 | G | [2,800] 3,200 | G | 190,000 | C |
| ALDICARB SULFONE | 1646-88-4 | 220 | G | [2,800] 3,200 | G | 190,000 | C |
| ALDICARB SULFOXIDE | 1646-87-3 | 220 | G | [2,800] 3,200 | G | 190,000 | C |
| ALDRIN | 309-00-2 | 1.1 | G | [4.7] 5.4 | G | 190,000 | C |
| ALLYL ALCOHOL | 107-18-6 | [5.7] 1.9 | N | [24] 8 | N | [27] 9.1 | N |
| AMETRYN | 834-12-8 | 2,000 | G | [25,000] 29,000 | G | 190,000 | C |
| AMINOBIHENYL, 4- | 92-67-1 | [0.85] 0.89 | G | [3.8] 4.3 | G | 190,000 | C |
| AMITROLE | 61-82-5 | [19] 20 | G | [84] 97 | G | 190,000 | C |
| AMMONIA | 7664-41-7 | 1,900 | N | 8,000 | N | 9,100 | N |
| AMMONIUM SULFAMATE | 7773-06-0 | 44,000 | G | 190,000 | C | 190,000 | C |
| ANILINE | 62-53-3 | 19 | N | 79 | N | 91 | N |
| ANTHRACENE | 120-12-7 | 66,000 | G | 190,000 | C | 190,000 | C |
| ATRAZINE | 1912-24-9 | [78] 81 | G | [340] 400 | G | 190,000 | C |
| AZINPHOS-METHYL (GUTHION) | 86-50-0 | 660 | G | [8,400] 9,600 | G | 190,000 | [G] C |
| BAYGON (PROPOXUR) | 114-26-1 | 880 | G | [11,000] 13,000 | G | 190,000 | C |
| BENOMYL | 17804-35-2 | 11,000 | G | [140,000] 160,000 | G | 190,000 | C |
| BENTAZON | 25057-89-0 | 6,600 | G | [84,000] 96,000 | G | 190,000 | C |
| BENZENE | 71-43-2 | 57 | N | 290 | N | 330 | N |
| BENZIDINE | 92-87-5 | 0.018 | G | [0.34] 0.4 | G | 190,000 | C |
| BENZO[A]ANTHRACENE | 56-55-3 | [5.7] 6 | G | [110] 130 | G | 190,000 | C |
| BENZO[A]PYRENE | 50-32-8 | [0.57] 0.58 | G | [11] 12 | G | 190,000 | C |
| BENZO[B]FLUORANTHENE | 205-99-2 | [5.7] 5.8 | G | [110] 120 | G | 190,000 | C |
| BENZO[GHI]PERYLENE | 191-24-2 | 13,000 | G | [170,000] 190,000 | [G] C | 190,000 | C |
| BENZO[K]FLUORANTHENE | 207-08-9 | [57] 58 | G | [1,100] 1,200 | G | 190,000 | C |
| BENZOIC ACID | 65-85-0 | 190,000 | C | 190,000 | C | 190,000 | C |
| BENZOTRICHLORIDE | 98-07-7 | 1.4 | G | [6.1] 7 | G | 10,000 | C |
| BENZYL ALCOHOL | 100-51-6 | 10,000 | C | 10,000 | C | 10,000 | C |
| BENZYL CHLORIDE | 100-44-7 | 9 | N | 45 | N | 52 | N |
| BETA PROPIOLACTONE | 57-57-8 | 0.11 | N | 0.56 | N | 0.64 | N |
| BHC, ALPHA | 319-84-6 | [2.8] 3 | G | [13] 14 | G | 190,000 | C |
| BHC, BETA- | 319-85-7 | [9.9] 10 | G | [44] 51 | G | 190,000 | C |
| BHC, GAMMA (LINDANE) | 58-89-9 | [16] 17 | G | [72] 83 | G | 190,000 | C |
| BIPHENYL, 1,1- | 92-52-4 | [11,000] 2,300 | G | [140,000] 11,000 | G | 190,000 | C |
| BIS(2-CHLOROETHOXY)METHANE | 111-91-1 | 660 | G | [8,400] 9,600 | G | 10,000 | C |
| BIS(2-CHLOROETHYL)ETHER | 111-44-4 | 1.3 | N | 6.7 | N | 7.7 | N |
| BIS(2-CHLORO-ISOPROPYL)ETHER | 108-60-1 | 44 | N | 220 | N | 250 | N |

All concentrations in mg/kg
 G – Ingestion
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 C – Cap

APPENDIX A
TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | | Non-Residential | | | |
|---------------------------------------|-----------------|--------------------------|----------|-----------------------------|----------|---------------------------------|----------|
| | | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| BIS(CHLOROMETHYL)ETHER | 542-88-1 | 0.0072 | N | 0.036 | N | 0.041 | N |
| BIS[2-ETHYLHEXYL] PHTHALATE | 117-81-7 | 1,300 | G | [5,700] 6,500 | G | 10,000 | C |
| BISPHENOL A | 80-05-7 | 11,000 | G | [140,000] 160,000 | G | 190,000 | C |
| BROMACIL | 314-40-9 | 22,000 | G | 190,000 | C | 190,000 | C |
| BROMOCHLOROMETHANE | 74-97-5 | [2,200] 770 | [G] N | [10,000] 3,200 | [C] N | [10,000] 3,600 | [C] N |
| BROMODICHLOROMETHANE | 75-27-4 | 12 | N | 60 | N | 69 | N |
| BROMOMETHANE | 74-83-9 | 96 | N | 400 | N | 460 | N |
| BROMOXYNIL | 1689-84-5 | 4,400 | G | [56,000] 64,000 | G | 190,000 | C |
| BROMOXYNIL OCTANOATE | 1689-99-2 | 4,400 | G | [56,000] 64,000 | G | 190,000 | C |
| BUTADIENE, 1,3- | 106-99-0 | [5.3] 5.5 | G | [23] 27 | G | 85 | N |
| BUTYL ALCOHOL, N- | 71-36-3 | 10,000 | C | 10,000 | C | 10,000 | C |
| BUTYLATE | 2008-41-5 | 10,000 | C | 10,000 | C | 10,000 | C |
| BUTYLBENZENE, N- | 104-51-8 | [8,800] 10,000 | [G] C | 10,000 | C | 10,000 | C |
| BUTYLBENZENE, SEC- | 135-98-8 | [8,800] 10,000 | [G] C | 10,000 | C | 10,000 | C |
| BUTYLBENZENE, TERT- | 98-06-6 | [8,800] 10,000 | [G] C | 10,000 | C | 10,000 | C |
| BUTYLBENZYL PHTHALATE | 85-68-7 | [9,400] 9,800 | G | 10,000 | C | 10,000 | C |
| CAPTAN | 133-06-2 | [7,800] 8,100 | G | [34,000] 40,000 | G | 190,000 | C |
| CARBARYL | 63-25-2 | 22,000 | G | 190,000 | C | 190,000 | C |
| CARBAZOLE | 86-74-8 | [900] 930 | G | [4,000] 4,600 | G | 190,000 | C |
| CARBOFURAN | 1563-66-2 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| CARBON DISULFIDE | 75-15-0 | 10,000 | C | 10,000 | C | 10,000 | C |
| CARBON TETRACHLORIDE | 56-23-5 | [30] 74 | N | [150] 370 | N | [170] 430 | N |
| CARBOXIN | 5234-68-4 | 22,000 | G | 190,000 | C | 190,000 | C |
| CHLORAMBEN | 133-90-4 | 3,300 | G | [42,000] 48,000 | G | 190,000 | C |
| CHLORDANE | 57-74-9 | [51] 53 | G | [230] 260 | G | 190,000 | C |
| CHLORO-1,1-DIFLUOROETHANE, 1- | 75-68-3 | 10,000 | C | 10,000 | C | 10,000 | C |
| CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE) | 107-05-1 | 19 | N | 80 | N | 91 | N |
| CHLOROACETALDEHYDE | 107-20-0 | 62 | G | 300 | G | 10,000 | C |
| CHLOROACETOPHENONE, 2- | 532-27-4 | 190,000 | C | 190,000 | C | 190,000 | C |
| CHLOROANILINE, P- | 106-47-8 | [90] 93 | G | [400] 460 | G | 190,000 | C |
| CHLOROBENZENE | 108-90-7 | 960 | N | 4,000 | N | 4,600 | N |
| CHLOROBENZILATE | 510-15-6 | [160] 170 | G | [720] 830 | G | 190,000 | C |
| CHLOROBUTANE, 1- | 109-69-3 | 8,800 | G | 10,000 | C | 10,000 | C |
| CHLORODIBROMOMETHANE | 124-48-1 | 17 | N | 82 | N | 95 | N |
| CHLORODIFLUOROMETHANE | 75-45-6 | 10,000 | C | 10,000 | C | 10,000 | C |
| CHLOROETHANE | 75-00-3 | [6,200] 6,400 | G | 10,000 | C | 10,000 | C |
| CHLOROFORM | 67-66-3 | 19 | N | 97 | N | 110 | N |
| CHLORONAPHTHALENE, 2- | 91-58-7 | 18,000 | G | 190,000 | C | 190,000 | C |
| CHLORONITROBENZENE, P- | 100-00-5 | 220 | G | [2,800] 3,200 | G | 190,000 | C |
| CHLOROPHENOL, 2- | 95-57-8 | 1,100 | G | 10,000 | C | 10,000 | C |
| CHLOROPRENE | 126-99-8 | [130] 1.5 | N | [560] 7.4 | N | [640] 8.5 | N |
| CHLOROPROPANE, 2- | 75-29-6 | 1,900 | N | 8,000 | N | 9,100 | N |
| CHLOROTHALONIL | 1897-45-6 | 3,300 | G | [26,000] 29,000 | G | 190,000 | C |
| CHLOROTOLUENE, O- | 95-49-8 | 4,400 | G | 10,000 | C | 10,000 | C |
| CHLOROTOLUENE, P- | 106-43-4 | [10,000] 4,400 | C | 10,000 | C | 10,000 | C |
| CHLORPYRIFOS | 2921-88-2 | [660] 220 | G | [8,400] 3,200 | G | 190,000 | C |
| CHLORSULFURON | 64902-72-3 | 11,000 | G | [140,000] 160,000 | G | 190,000 | C |

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| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | | Non-Residential | | | |
|--|------------|--------------------------|----------|-----------------------------|----------|---------------------------------|----------|
| | | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| CHLORTHAL-DIMETHYL (DACTHAL) (DCPA) | 1861-32-1 | 2,200 | G | [28,000] 32,000 | G | 190,000 | C |
| CHRYSENE | 218-01-9 | [570] 580 | G | [11,000] 12,000 | G | 190,000 | C |
| CRESOL(S) | 1319-77-3 | 1,100 | G | 10,000 | C | 10,000 | C |
| CRESOL, 4,6-DINITRO-O- | 534-52-1 | [22] 18 | G | [280] 260 | G | 190,000 | C |
| CRESOL, O- (2-METHYLPHENOL) | 95-48-7 | 11,000 | G | [140,000] 160,000 | G | 190,000 | C |
| CRESOL, M- (3-METHYLPHENOL) | 108-39-4 | 10,000 | C | 10,000 | C | 10,000 | C |
| CRESOL, P- (4-METHYLPHENOL) | 106-44-5 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| CRESOL, P-CHLORO-M- | 59-50-7 | [1,100] 22,000 | G | [14,000] 190,000 | G | 190,000 | C |
| CROTONALDEHYDE | 4170-30-3 | [9.4] 9.8 | G | [42] 48 | G | 10,000 | C |
| CROTONALDEHYDE, TRANS- | 123-73-9 | [9.4] 9.8 | G | [42] 48 | G | 10,000 | C |
| CUMENE (ISOPROPYL BENZENE) | 98-82-8 | 7,700 | N | 10,000 | C | 10,000 | C |
| CYANAZINE | 21725-46-2 | [21] 22 | G | [94] 110 | G | 190,000 | C |
| CYCLOHEXANE | 110-82-7 | 10,000 | C | 10,000 | C | 10,000 | C |
| CYCLOHEXANONE | 108-94-1 | 10,000 | C | 10,000 | C | 10,000 | C |
| CYFLUTHRIN | 68359-37-5 | 5,500 | G | [70,000] 80,000 | G | 190,000 | C |
| CYROMAZINE | 66215-27-8 | 1,700 | G | [21,000] 24,000 | G | 190,000 | C |
| DDD, 4,4'- | 72-54-8 | [75] 78 | G | [330] 380 | G | 190,000 | C |
| DDE, 4,4'- | 72-55-9 | [53] 55 | G | [230] 270 | G | 190,000 | C |
| DDT, 4,4'- | 50-29-3 | [53] 55 | G | [230] 270 | G | 190,000 | C |
| DI(2-ETHYLHEXYL)ADIPATE | 103-23-1 | 10,000 | C | 10,000 | C | 10,000 | C |
| DIALATE | 2303-16-4 | [290] 300 | G | [1,300] 1,500 | G | 10,000 | C |
| DIAMINOTOLUENE, 2,4- | 95-80-7 | [4.7] 4.9 | G | [21] 24 | G | 190,000 | C |
| DIAZINON | 333-41-5 | 150 | G | [2,000] 2,200 | G | 10,000 | C |
| DIBENZO[A,H]ANTHRACENE | 53-70-3 | [0.57] 0.58 | G | [11] 12 | G | 190,000 | C |
| DIBENZOFURAN | 132-64-9 | 220 | G | [2,800] 3,200 | G | 190,000 | C |
| DIBROMO-3-CHLOROPROPANE, 1,2- | 96-12-8 | 0.029 | N | 0.37 | N | 0.43 | N |
| DIBROMOBENZENE, 1,4- | 106-37-6 | 2,200 | G | [28,000] 32,000 | G | 190,000 | C |
| DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE) | 106-93-4 | 0.74 | N | 3.7 | N | 4.3 | N |
| DIBROMOMETHANE | 74-95-3 | [2,200] 77 | [G] N | [10,000] 320 | [C] N | [10,000] 370 | [C] N |
| DIBUTYL PHTHALATE, N- | 84-74-2 | 10,000 | C | 10,000 | C | 10,000 | C |
| DICAMBA | 1918-00-9 | 6,600 | G | [84,000] 96,000 | G | 190,000 | C |
| DICHLOROACETIC ACID | 76-43-6 | [880] 370 | G | [10,000] 1,800 | [C] G | 10,000 | C |
| DICHLORO-2-BUTENE, 1,4- | 764-41-0 | 0.11 | N | 0.53 | N | 0.61 | N |
| DICHLORO-2-BUTENE, TRANS-1,4- | 110-57-6 | 0.1 | N | [1] 0.52 | N | [1] 0.6 | N |
| DICHLOROBENZENE, 1,2- | 95-50-1 | 3,800 | N | 10,000 | C | 10,000 | C |
| DICHLOROBENZENE, 1,3- | 541-73-1 | 660 | G | [8,400] 9,600 | G | 10,000 | C |
| DICHLOROBENZENE, P- | 106-46-7 | 40 | N | 200 | N | 230 | N |
| DICHLOROBENZIDINE, 3,3'- | 91-94-1 | [40] 41 | G | [180] 200 | G | 190,000 | C |
| DICHLORODIFLUOROMETHANE (FREON 12) | 75-71-8 | [3,900] 1,900 | N | [10,000] 8,000 | [C] N | [10,000] 9,100 | [C] N |
| DICHLOROETHANE, 1,1- | 75-34-3 | 280 | N | 1,400 | N | 1,600 | N |
| DICHLOROETHANE, 1,2- | 107-06-2 | 17 | N | 86 | N | 98 | N |
| DICHLOROETHYLENE, 1,1- | 75-35-4 | 3,800 | N | 10,000 | C | 10,000 | C |
| DICHLOROETHYLENE, CIS-1,2- | 156-59-2 | [2,200] 440 | G | [10,000] 6,400 | [C] G | 10,000 | C |
| DICHLOROETHYLENE, TRANS-1,2- | 156-60-5 | 1,100 | N | 4,800 | N | 5,500 | N |
| DICHLOROMETHANE (METHYLENE CHLORIDE) | 75-09-2 | [950] 1,300 | [N] G | [4,700] 10,000 | [N] C | [5,400] 10,000 | [N] C |
| DICHLOROPHENOL, 2,4- | 120-83-2 | 660 | G | [8,400] 9,600 | G | 190,000 | C |

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| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | | Non-Residential | | | |
|---|------------|--------------------------|----------|-----------------------------|---|---------------------------------|---|
| | | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| DICHLOROPHENOXYACETIC ACID, 2,4-(2,4-D) | 94-75-7 | 2,200 | G | [28,000] 32,000 | G | 190,000 | C |
| DICHLOROPROPANE, 1,2- | 78-87-5 | 45 | N | 220 | N | 260 | N |
| DICHLOROPROPENE, 1,3- | 542-75-6 | 110 | N | 560 | N | 640 | N |
| DICHLOROPROPIONIC ACID, 2,2-(DALAPON) | 75-99-0 | 6,600 | G | 10,000 | C | 10,000 | C |
| DICHLORVOS | 62-73-7 | [62] 64 | G | [270] 310 | G | 10,000 | C |
| DICYCLOPENTADIENE | 77-73-6 | 130 | N | 550 | N | 630 | N |
| DIELDRIN | 60-57-1 | [1.1] 1.2 | G | [5] 6 | G | 190,000 | C |
| DIETHANOLAMINE | 111-42-2 | 10,000 | C | 10,000 | C | 10,000 | C |
| DIETHYL PHTHALATE | 84-66-2 | 10,000 | C | 10,000 | C | 10,000 | C |
| DIFLUBENZURON | 35367-38-5 | 4,400 | G | [56,000] 64,000 | G | 190,000 | C |
| DIISOPROPYL METHYLPHOSPHONATE | 1445-75-6 | 10,000 | C | 10,000 | C | 10,000 | C |
| DIMETHOATE | 60-51-5 | 44 | G | [560] 640 | G | 190,000 | C |
| DIMETHOXYBENZIDINE, 3,3- | 119-90-4 | 1,300 | G | [5,700] 6,500 | G | 190,000 | C |
| DIMETHRIN | 70-38-2 | 66,000 | G | 190,000 | C | 190,000 | C |
| DIMETHYLAMINOAZOBENZENE, P- | 60-11-7 | [3.9] 4 | G | [17] 20 | G | 190,000 | C |
| DIMETHYLANILINE, N,N- | 121-69-7 | 440 | G | [5,600] 6,400 | G | 10,000 | C |
| DIMETHYLBENZIDINE, 3,3- | 119-93-7 | [1.6] 1.7 | G | [7.2] 8.3 | G | 190,000 | C |
| DIMETHYL METHYLPHOSPHONATE | 756-79-6 | 10,000 | C | 10,000 | C | 10,000 | C |
| DIMETHYLPHENOL, 2,4- | 105-67-9 | 4,400 | G | 10,000 | C | 10,000 | C |
| DINITROBENZENE, 1,3- | 99-65-0 | 22 | G | [280] 320 | G | 190,000 | C |
| DINITROPHENOL, 2,4- | 51-28-5 | 440 | G | [5,600] 6,400 | G | 190,000 | C |
| DINITROTOLUENE, 2,4- | 121-14-2 | [58] 60 | G | [260] 290 | G | 190,000 | C |
| DINITROTOLUENE, 2,6- (2,6-DNT) | 606-20-2 | 220 | G | [2,800] 3,200 | G | 190,000 | C |
| DINOSEB | 88-85-7 | 220 | G | [2,800] 3,200 | G | 190,000 | C |
| DIOXANE, 1,4- | 123-91-1 | [58] 89 | N | [290] 440 | N | [330] 510 | N |
| DIPHENAMID | 957-51-7 | 6,600 | G | [84,000] 96,000 | G | 190,000 | C |
| DIPHENYLAMINE | 122-39-4 | 5,500 | G | [70,000] 80,000 | G | 190,000 | C |
| DIPHENYLHYDRAZINE, 1,2- | 122-66-7 | [22] 23 | G | [99] 110 | G | 190,000 | C |
| DIQUAT | 85-00-7 | 480 | G | [6,200] 7,000 | G | 190,000 | C |
| DISULFOTON | 298-04-4 | 8.8 | G | [110] 130 | G | 10,000 | C |
| DITHIANE, 1,4- | 505-29-3 | 2,200 | G | [28,000] 32,000 | G | 190,000 | C |
| DIURON | 330-54-1 | 440 | G | [5,600] 6,400 | G | 190,000 | C |
| ENDOSULFAN | 115-29-7 | 1,300 | G | [17,000] 19,000 | G | 190,000 | C |
| ENDOSULFAN I (ALPHA) | 959-98-8 | 1,300 | G | [17,000] 19,000 | G | 190,000 | C |
| ENDOSULFAN II (BETA) | 33213-65-9 | 1,300 | G | [17,000] 19,000 | G | 190,000 | C |
| ENDOSULFAN SULFATE | 1031-07-8 | 1,300 | G | [17,000] 19,000 | G | 190,000 | C |
| ENDOTHALL | 145-73-3 | 4,400 | G | [56,000] 64,000 | G | 190,000 | C |
| ENDRIN | 72-20-8 | 66 | G | [840] 960 | G | 190,000 | C |
| EPICHLOROHYDRIN | 106-89-8 | 19 | N | 79 | N | 91 | N |
| ETHEPHON | 16672-87-0 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| ETHION | 563-12-2 | 110 | G | [1,400] 1,600 | G | 10,000 | C |
| ETHOXYETHANOL, 2- (EGEE) | 110-80-5 | 3,900 | N | 10,000 | C | 10,000 | C |
| ETHYL ACETATE | 141-78-6 | 10,000 | C | 10,000 | C | 10,000 | C |
| ETHYL ACRYLATE | 140-88-5 | [370] 390 | G | [1,700] 1,900 | G | 10,000 | C |
| ETHYL BENZENE | 100-41-4 | 10,000 | C | 10,000 | C | 10,000 | C |
| ETHYL DIPROPYLTHIOCARBAMATE, S-(EPTC) | 759-94-4 | 5,500 | G | 10,000 | C | 10,000 | C |
| ETHYL ETHER | 60-29-7 | 10,000 | C | 10,000 | C | 10,000 | C |
| ETHYL METHACRYLATE | 97-63-2 | [10,000] 5,700 | [C] N | 10,000 | C | 10,000 | C |
| ETHYLENE CHLORHYDRIN | 107-07-3 | 4,400 | G | 10,000 | C | 10,000 | C |

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|--|------------|--------------------------|----------|-----------------------------|----------|---------------------------------|----------|
| | | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| ETHYLENE GLYCOL | 107-21-1 | 7,700 | N | 10,000 | C | 10,000 | C |
| ETHYLENE THIOUREA (ETU) | 96-45-7 | 18 | G | [220] 260 | G | 190,000 | C |
| ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE | 2104-64-5 | 2.2 | G | [28] 32 | G | 190,000 | C |
| FENAMIPHOS | 22224-92-6 | 55 | G | [700] 800 | G | 190,000 | C |
| FENVALERATE (PYDRIN) | 51630-58-1 | 5,500 | G | 10,000 | C | 10,000 | C |
| FLUOMETURON | 2164-17-2 | 2,900 | G | [36,000] 42,000 | G | 190,000 | C |
| FLUORANTHENE | 206-44-0 | 8,800 | G | [110,000] 130,000 | G | 190,000 | C |
| FLUORENE | 86-73-7 | 8,800 | G | [110,000] 130,000 | G | 190,000 | C |
| FLUOROTRICHLOROMETHANE (FREON 11) | 75-69-4 | 10,000 | C | 10,000 | C | 10,000 | C |
| FONOFOS | 944-22-9 | 440 | G | [5,600] 6,400 | G | 10,000 | C |
| FORMALDEHYDE | 50-00-0 | 34 | N | 170 | N | 200 | N |
| FORMIC ACID | 64-18-6 | [57] 6 | N | [240] 24 | N | [270] 27 | N |
| FOSETYL-AL | 39148-24-8 | 190,000 | C | 190,000 | C | 190,000 | C |
| FURAN | 110-00-9 | 220 | G | [2,800] 3,200 | G | 10,000 | C |
| FURFURAL | 98-01-1 | 660 | G | 4,000 | N | 4,500 | N |
| GLYPHOSATE | 1071-83-6 | 22,000 | G | 190,000 | C | 190,000 | C |
| HEPTACHLOR | 76-44-8 | 4 | G | [18] 20 | G | 190,000 | C |
| HEPTACHLOR EPOXIDE | 1024-57-3 | 2 | G | [8.7] 10 | G | 190,000 | C |
| HEXACHLOROBENZENE | 118-74-1 | [11] 12 | G | [50] 57 | G | 190,000 | C |
| HEXACHLOROBUTADIENE | 87-68-3 | 220 | G | [1,000] 1,200 | G | 10,000 | C |
| HEXACHLOROCYCLOPENTADIENE | 77-47-4 | 1,300 | G | 10,000 | C | 10,000 | C |
| HEXACHLOROETHANE | 67-72-1 | [110] 44 | N | [550] 220 | N | [640] 260 | N |
| HEXANE | 110-54-3 | 10,000 | C | 10,000 | C | 10,000 | C |
| HEXAZINONE | 51235-04-2 | 7,300 | G | [92,000] 110,000 | G | 190,000 | C |
| HEXYTHIAZOX (SAVEY) | 78587-05-0 | 5,500 | G | [70,000] 80,000 | G | 190,000 | C |
| HMX | 2691-41-0 | 11,000 | G | [140,000] 160,000 | G | 190,000 | C |
| HYDRAZINE/HYDRAZINE SULFATE | 302-01-2 | 0.09 | N | 0.45 | N | 0.52 | N |
| HYDROQUINONE | 123-31-9 | [320] 310 | G | [1,400] 1,500 | G | 190,000 | C |
| INDENO[1,2,3-CD]PYRENE | 193-39-5 | [5.7] 5.8 | G | [110] 120 | G | 190,000 | C |
| IPRODIONE | 36734-19-7 | 8,800 | G | [110,000] 130,000 | G | 190,000 | C |
| ISOBUTYL ALCOHOL | 78-83-1 | 10,000 | C | 10,000 | C | 10,000 | C |
| ISOPHORONE | 78-59-1 | 10,000 | C | 10,000 | C | 10,000 | C |
| ISOPROPYL METHYLPHOSPHONATE | 1832-54-8 | 10,000 | C | 10,000 | C | 10,000 | C |
| KEPONE | 143-50-0 | [1.1] 1.9 | G | [5] 9.1 | G | 190,000 | C |
| MALATHION | 121-75-5 | 4,400 | G | 10,000 | C | 10,000 | C |
| MALEIC HYDRAZIDE | 123-33-1 | 110,000 | G | 190,000 | C | 190,000 | C |
| MANEB | 12427-38-2 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| MERPHOS OXIDE | 78-48-8 | 6.6 | G | [84] 96 | G | 10,000 | C |
| METHACRYLONITRILE | 126-98-7 | [13] 22 | [N] G | [56] 320 | [N] G | [64] 2,800 | N |
| METHAMIDOPHOS | 10265-92-6 | 11 | G | [140] 160 | G | 190,000 | C |
| METHANOL | 67-56-1 | 10,000 | C | 10,000 | C | 10,000 | C |
| METHOMYL | 16752-77-5 | 5,500 | G | [70,000] 80,000 | G | 190,000 | C |
| METHOXYCHLOR | 72-43-5 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| METHOXYETHANOL, 2- | 109-86-4 | 380 | N | 1,600 | N | 1,800 | N |
| METHYL ACETATE | 79-20-9 | 10,000 | C | 10,000 | C | 10,000 | C |
| METHYL ACRYLATE | 96-33-3 | [6,600] 380 | [G] N | [10,000] 1,600 | [C] N | [10,000] 1,800 | [C] N |
| METHYL CHLORIDE | 74-87-3 | 250 | N | 1,200 | N | 1,400 | N |
| METHYL ETHYL KETONE | 78-93-3 | 10,000 | C | 10,000 | C | 10,000 | C |
| METHYL HYDRAZINE | 60-34-4 | 0.38 | N | 1.6 | N | 1.8 | N |

All concentrations in mg/kg
 G – Ingestion
 N – Inhalation
 C – Cap

APPENDIX A
TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Non-Residential | | | | |
|--|------------|--------------------------|-----------------------------|-----------------|---------------------------------|---------------|---|
| | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | | |
| METHYL ISOBUTYL KETONE | 108-10-1 | 10,000 | C | 10,000 | C | 10,000 | C |
| METHYL ISOCYANATE | 624-83-9 | 19 | N | 79 | N | 91 | N |
| METHYL N-BUTYL KETONE (2- HEXANONE) | 591-78-6 | [96] 570 | N | [400] 2,400 | N | [460] 2,800 | N |
| METHYL METHACRYLATE | 80-62-6 | 10,000 | C | 10,000 | C | 10,000 | C |
| METHYL METHANESULFONATE | 66-27-3 | [180] 190 | G | [800] 920 | G | 10,000 | C |
| METHYL PARATHION | 298-00-0 | 55 | G | [700] 800 | G | 190,000 | C |
| METHYL STYRENE (MIXED ISOMERS) | 25013-15-4 | 770 | N | 3,200 | N | 3,600 | N |
| METHYL TERT-BUTYL ETHER (MTBE) | 1634-04-4 | [620] 1,700 | [G] N | [3,200] 8,600 | N | [3,700] 9,900 | N |
| METHYLCHLOROPHENOXYACETIC ACID (MCPA) | 94-74-6 | 110 | G | [1,400] 1,600 | C | 190,000 | C |
| METHYLENE BIS(2-CHLOROANILINE), 4,4'- | 101-14-4 | 42 | G | [790] 910 | G | 190,000 | C |
| METHYLNAPHTHALENE, 2- METHYLSTYRENE, ALPHA | 91-57-6 | 880 | G | [11,000] 13,000 | G | 190,000 | C |
| METHYLSTYRENE, ALPHA | 98-83-9 | 10,000 | C | 10,000 | C | 10,000 | C |
| METOLACHLOR | 51218-45-2 | 10,000 | C | 10,000 | C | 10,000 | C |
| METRIBUZIN | 21087-64-9 | 5,500 | G | [70,000] 80,000 | G | 190,000 | C |
| MONOCHLOROACETIC ACID | 79-11-8 | [2,200] 440 | G | [28,000] 6,400 | G | 190,000 | C |
| NAPHTHALENE | 91-20-3 | 4,400 | G | [56,000] 64,000 | G | 190,000 | C |
| NAPHTHYLAMINE, 1- NAPHTHYLAMINE, 2- NAPROPAMIDE | 134-32-7 | [9.9] 10 | G | [44] 51 | G | 190,000 | C |
| NAPHTHYLAMINE, 2- NAPROPAMIDE | 91-59-8 | [9.9] 10 | G | [44] 51 | G | 190,000 | C |
| NAPROPAMIDE | 15299-99-7 | 22,000 | G | 190,000 | C | 190,000 | C |
| NITROANILINE, M- NITROANILINE, O- NITROANILINE, P- NITROBENZENE | 99-09-2 | 66 | G | [840] 960 | G | 190,000 | C |
| NITROANILINE, O- NITROANILINE, P- NITROBENZENE | 88-74-4 | [660] 2,200 | G | [8,400] 32,000 | G | 190,000 | C |
| NITROANILINE, P- NITROBENZENE | 100-01-6 | 880 | G | [4,000] 4,600 | G | 190,000 | C |
| NITROBENZENE | 98-95-3 | 440 | G | [5,600] 6,400 | G | 10,000 | C |
| NITROGUANIDINE | 556-88-7 | 22,000 | G | 190,000 | C | 190,000 | C |
| NITROPHENOL, 2- NITROPHENOL, 4- NITROPROPANE, 2- NITROSODIETHYLAMINE, N- NITROSODIMETHYLAMINE, N- NITROSO-DI-N-BUTYLAMINE, N- NITROSODI-N-PROPYLAMINE, N- NITROSODIPHENYLAMINE, N- NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 88-75-5 | 1,800 | G | [22,000] 26,000 | G | 190,000 | C |
| NITROPHENOL, 4- NITROPROPANE, 2- NITROSODIETHYLAMINE, N- NITROSODIMETHYLAMINE, N- NITROSO-DI-N-BUTYLAMINE, N- NITROSODI-N-PROPYLAMINE, N- NITROSODIPHENYLAMINE, N- NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 100-02-7 | 1,800 | G | [22,000] 26,000 | G | 190,000 | C |
| NITROPROPANE, 2- NITROSODIETHYLAMINE, N- NITROSODIMETHYLAMINE, N- NITROSO-DI-N-BUTYLAMINE, N- NITROSODI-N-PROPYLAMINE, N- NITROSODIPHENYLAMINE, N- NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 79-46-9 | 0.16 | N | 0.82 | N | 0.94 | N |
| NITROSODIETHYLAMINE, N- NITROSODIMETHYLAMINE, N- NITROSO-DI-N-BUTYLAMINE, N- NITROSODI-N-PROPYLAMINE, N- NITROSODIPHENYLAMINE, N- NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 55-18-5 | 0.0041 | N | 0.051 | N | 0.059 | N |
| NITROSODIMETHYLAMINE, N- NITROSO-DI-N-BUTYLAMINE, N- NITROSODI-N-PROPYLAMINE, N- NITROSODIPHENYLAMINE, N- NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 62-75-9 | 0.012 | N | 0.16 | N | 0.18 | N |
| NITROSO-DI-N-BUTYLAMINE, N- NITROSODI-N-PROPYLAMINE, N- NITROSODIPHENYLAMINE, N- NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 924-16-3 | [3.3] 3.4 | G | [15] 17 | G | 10,000 | C |
| NITROSODI-N-PROPYLAMINE, N- NITROSODIPHENYLAMINE, N- NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 621-64-7 | [2.6] 2.7 | G | [11] 13 | G | 10,000 | C |
| NITROSODIPHENYLAMINE, N- NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 86-30-6 | [3,700] 3,800 | G | [16,000] 19,000 | G | 190,000 | C |
| NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 759-73-9 | [0.15] 0.16 | G | [2.9] 3.4 | G | 190,000 | C |
| OCTYL PHTHALATE, DI-N- | 117-84-0 | [8,800] 2,200 | G | 10,000 | C | 10,000 | C |
| OXAMYL (VYDATE) | 23135-22-0 | 5,500 | G | [70,000] 80,000 | G | 190,000 | C |
| PARAQUAT | 1910-42-5 | 990 | G | [13,000] 14,000 | G | 190,000 | C |
| PARATHION | 56-38-2 | 1,300 | G | 10,000 | C | 10,000 | C |
| PCB-1016 (AROCLOR) | 12674-11-2 | 15 | G | [200] 220 | G | 10,000 | C |
| PCB-1221 (AROCLOR) | 11104-28-2 | 9 | G | [40] 46 | G | 10,000 | C |
| PCB-1232 (AROCLOR) | 11141-16-5 | 9 | G | [40] 46 | G | 10,000 | C |
| PCB-1242 (AROCLOR) | 53469-21-9 | 9 | G | [40] 46 | G | 10,000 | C |
| PCB-1248 (AROCLOR) | 12672-29-6 | [9] 9.3 | G | [40] 46 | G | 10,000 | C |
| PCB-1254 (AROCLOR) | 11097-69-1 | 4.4 | G | [40] 46 | G | 10,000 | C |
| PCB-1260 (AROCLOR) | 11096-82-5 | 9 | G | [40] 46 | G | 190,000 | C |
| PEBULATE | 1114-71-2 | 10,000 | C | 10,000 | C | 10,000 | C |
| PENTACHLOROENZENE | 608-93-5 | 180 | G | [2,200] 2,600 | G | 190,000 | C |
| PENTACHLOROETHANE | 76-01-7 | [200] 210 | G | [880] 1,000 | G | 10,000 | C |
| PENTACHLORONITROBENZENE | 82-68-8 | [69] 72 | G | [310] 350 | G | 190,000 | C |

All concentrations in mg/kg

G – Ingestion

N – Inhalation

C – Cap

APPENDIX A
 TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | Non-Residential | | | | |
|---|------------|--------------------------|-----------------------------|-------------------|---------------------------------|---------------------|----------|
| | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | | |
| PENTACHLOROPHENOL | 87-86-5 | [150] 47 | G | [660] 230 | G | 190,000 | C |
| PHENACETIN | 62-44-2 | [8,100] 8,500 | G | [36,000] 41,000 | G | 190,000 | C |
| PHENANTHRENE | 85-01-8 | 66,000 | G | 190,000 | C | 190,000 | C |
| PHENOL | 108-95-2 | [66,000] 3,800 | [G] N | [190,000] 16,000 | [C] N | [190,000] 18,000 | [C] N |
| PHENYL MERCAPTAN | 108-98-5 | [2.2] 220 | G | [28] 3,200 | [N] G | 10,000 | [N] C |
| PHENYLENEDIAMINE, M- | 108-45-2 | 1,300 | G | [17,000] 19,000 | G | 190,000 | C |
| PHENYLPHENOL, 2- | 90-43-7 | [9,400] 9,800 | G | [42,000] 48,000 | G | 190,000 | C |
| PHORATE | 298-02-2 | 44 | G | [560] 640 | G | 10,000 | C |
| PHTHALIC ANHYDRIDE | 85-44-9 | 190,000 | C | 190,000 | C | 190,000 | C |
| PICLORAM | 1918-02-1 | 15,000 | G | 190,000 | C | 190,000 | C |
| PROMETON | 1610-18-0 | 3,300 | G | [42,000] 48,000 | G | 190,000 | C |
| PRONAMIDE | 23950-58-5 | 17,000 | G | 190,000 | C | 190,000 | C |
| PROPANIL | 709-98-8 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| PROPANOL, 2- (ISOPROPYL ALCOHOL) | 67-63-0 | 10,000 | C | 10,000 | C | 10,000 | C |
| PROPAZINE | 139-40-2 | 4,400 | G | 10,000 | C | 10,000 | C |
| PROPHAM | 122-42-9 | 4,400 | G | [56,000] 64,000 | G | 190,000 | C |
| PROPYLBENZENE, N- | 103-65-1 | [8,800] 10,000 | [G] C | 10,000 | C | 10,000 | C |
| PROPYLENE OXIDE | 75-56-9 | [75] 78 | G | [330] 380 | G | 690 | N |
| PYRENE | 129-00-0 | 6,600 | G | [84,000] 96,000 | G | 190,000 | C |
| PYRIDINE | 110-86-1 | 220 | G | [2,800] 3,200 | G | 10,000 | C |
| QUINOLINE | 91-22-5 | 6 | G | [26] 30 | G | 10,000 | C |
| QUIZALOFOP (ASSURE) | 76578-14-8 | 2,000 | G | [25,000] 29,000 | G | 190,000 | C |
| RDX | 121-82-4 | [160] 170 | G | [720] 830 | G | 190,000 | C |
| RESORCINOL | 108-46-3 | 190,000 | C | 190,000 | C | 190,000 | C |
| RONNEL | 299-84-3 | 11,000 | G | [140,000] 160,000 | G | 190,000 | C |
| SIMAZINE | 122-34-9 | [150] 160 | G | [660] 760 | G | 190,000 | C |
| STRYCHNINE | 57-24-9 | 66 | G | [840] 960 | G | 190,000 | C |
| STYRENE | 100-42-5 | 10,000 | C | 10,000 | C | 10,000 | C |
| TEBUTHIURON | 34014-18-1 | 15,000 | G | 190,000 | C | 190,000 | C |
| TERBACIL | 5902-51-2 | 2,900 | G | [36,000] 42,000 | G | 190,000 | C |
| TERBUFOS | 13071-79-9 | 5.5 | G | [70] 80 | G | 10,000 | C |
| TETRACHLOROBENZENE, 1,2,4,5- | 95-94-3 | 66 | G | [840] 960 | G | 190,000 | C |
| TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD) | 1746-01-6 | 0.00014 | G | [0.00061] 0.0007 | G | 190,000 | C |
| TETRACHLOROETHANE, 1,1,1,2- | 630-20-6 | 60 | N | 300 | N | 340 | N |
| TETRACHLOROETHANE, 1,1,2,2- | 79-34-5 | 7.7 | N | 38 | N | 44 | N |
| TETRACHLOROETHYLENE (PCE) | 127-18-4 | [340] 770 | [G] N | [1,500] 3,200 | [G] N | [4,400] 3,600 | N |
| TETRACHLOROPHENOL, 2,3,4,6- | 58-90-2 | 6,600 | G | [84,000] 96,000 | G | 190,000 | C |
| TETRAETHYL LEAD | 78-00-2 | 0.022 | G | [0.28] 0.32 | G | 10,000 | C |
| TETRAETHYLDITHIOPYROPHOSPHATE | 3689-24-5 | 110 | G | [1,400] 1,600 | G | 10,000 | C |
| TETRAHYDROFURAN | 109-99-9 | [230] 240 | N | [1,100] 1,200 | N | [1,300] 1,400 | N |
| THIOFANOX | 39196-18-4 | 66 | G | [840] 960 | G | 190,000 | C |
| THIRAM | 137-26-8 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| TOLUENE | 108-88-3 | 10,000 | C | 10,000 | C | 10,000 | C |
| TOLUIDINE, M- | 108-44-1 | [99] 100 | G | [440] 510 | G | 10,000 | C |
| TOLUIDINE, O- | 95-53-4 | [99] 1,200 | G | [440] 5,700 | G | 10,000 | C |
| TOLUIDINE, P- | 106-49-0 | [94] 620 | G | [420] 3,000 | G | 190,000 | C |
| TOXAPHENE | 8001-35-2 | [16] 17 | G | [72] 83 | G | 190,000 | C |

All concentrations in mg/kg
 G – Ingestion
 N – Inhalation
 C – Cap

APPENDIX A
 TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential 0-15 feet | | Non-Residential | | | |
|--|----------------|--------------------------|----------|-----------------------------|----------|---------------------------------|----------|
| | | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| TRIALATE | 2303-17-5 | 2,900 | G | 10,000 | C | 10,000 | C |
| TRIBROMOMETHANE (BROMOFORM) | 75-25-2 | 410 | N | 2,000 | N | 2,300 | N |
| TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2- | 76-13-1 | 10,000 | C | 10,000 | C | 10,000 | C |
| TRICHLOROACETIC ACID | 76-03-9 | 270 | G | 1,300 | G | 190,000 | C |
| TRICHLOROBENZENE, 1,2,4- | 120-82-1 | [2,200] 640 | G | [10,000] 3,100 | [C] G | 10,000 | C |
| TRICHLOROBENZENE, 1,3,5- | 108-70-3 | 1,300 | G | [17,000] 19,000 | G | 190,000 | C |
| TRICHLOROETHANE, 1,1,1- | 71-55-6 | 10,000 | C | 10,000 | C | 10,000 | C |
| TRICHLOROETHANE, 1,1,2- | 79-00-5 | [28] 4 | N | [140] 16 | N | [160] 18 | N |
| TRICHLOROETHYLENE (TCE) | 79-01-6 | [260] 38 | N | [1,300] 160 | N | [1,500] 180 | N |
| TRICHLOROPHENOL, 2,4,5- | 95-95-4 | 22,000 | G | 190,000 | C | 190,000 | C |
| TRICHLOROPHENOL, 2,4,6- | 88-06-2 | 220 | G | [2,800] 3,200 | G | 190,000 | C |
| TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T) | 93-76-5 | 2,200 | G | [28,000] 32,000 | G | 190,000 | C |
| TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX) | 93-72-1 | 1,800 | G | [22,000] 26,000 | G | 190,000 | C |
| TRICHLOROPROPANE, 1,1,2- | 598-77-6 | 1,100 | G | 10,000 | C | 10,000 | C |
| TRICHLOROPROPANE, 1,2,3- | 96-18-4 | [2.6] 0.027 | G | [11] 0.6 | G | [460] 28 | N |
| TRICHLOROPROPENE, 1,2,3- | 96-19-5 | [19] 5.7 | N | [80] 24 | N | [91] 27 | N |
| TRIETHYLAMINE | 121-44-8 | 130 | N | 560 | N | 640 | N |
| TRIFLURALIN | 1582-09-8 | 1,700 | G | [10,000] 12,000 | G | 190,000 | C |
| TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-) | 95-63-6 | 130 | N | 560 | N | 640 | N |
| TRIMETHYLBENZENE, 1,3,5- | 108-67-8 | [110] 2,200 | [N] G | [480] 10,000 | [N] C | [550] 10,000 | [N] C |
| TRINITROGLYCEROL (NITROGLYCERIN) | 55-63-0 | 22 | G | [280] 320 | G | 10,000 | C |
| TRINITROTOLUENE, 2,4,6- | 118-96-7 | 110 | G | [1,400] 1,600 | G | 190,000 | C |
| VINYL ACETATE | 108-05-4 | 3,900 | N | 10,000 | C | 10,000 | C |
| VINYL BROMIDE (BROMOETHENE) | 593-60-2 | 14 | N | 70 | N | 80 | N |
| VINYL CHLORIDE | 75-01-4 | [1.9] 0.9 | G | [110] 61 | G | [580] 280 | N |
| WARFARIN | 81-81-2 | 66 | G | [840] 960 | G | 190,000 | C |
| XYLENES (TOTAL) | 1330-20-7 | 1,900 | N | 8,000 | N | 9,100 | N |
| ZINEB | 12122-67-7 | 11,000 | G | [140,000] 160,000 | G | 190,000 | C |

All concentrations in mg/kg

G – Ingestion

N – Inhalation

C – Cap

APPENDIX A
TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | Non-Use Aquifers | | | | | | Soil Buffer Distance (feet) | | | | | | |
|-------------------------------|------------|--------------------|--------------------|-----------------|-------------------|--------------------|-----------------|------------------|----------------|-----------------|------------------|----------------|-----------------|-----------------------------|-------------------|---|------------------|-------------------|----|----|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | Residential | | | Non-Residential | | | | | | | | | |
| | | Residential | | Non-Residential | Residential | | Non-Residential | Residential | | Non-Residential | Residential | | Non-Residential | | | | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | | | | | |
| ACENAPHTHENE | 83-32-9 | [220] 250 | [2,700] 3,100 | E | 380 | 4,700 | E | 380 | 4,700 | E | 380 | 4,700 | E | 380 | 4,700 | E | 15 | | | |
| ACENAPHTHYLENE | 208-96-8 | [220] 250 | [2,500] 2,800 | E | [610] 700 | [6,900] 8,000 | E | 1,600 | 18,000 | E | 1,600 | 18,000 | E | 1,600 | 18,000 | E | 15 | | | |
| ACEPHATE | 30560-19-1 | [7.6] 8.4 | [0.9] 1.0 | E | [30] 39 | [3.6] 4.6 | E | [760] 840 | [90] 100 | E | [3,000] 3,900 | [360] 460 | E | [7.6] 8.4 | [0.9] 1.0 | E | [3.6] 4.6 | E | NA | |
| ACETALDEHYDE | 75-07-0 | 1.9 | 0.23 | E | 7.9 | 0.96 | E | 190 | 23 | E | 790 | 96 | E | 1.9 | 0.23 | E | 7.9 | 0.96 | E | NA |
| ACETONE | 67-64-1 | [3,300] 3,800 | [370] 430 | E | [9,200] 10,000 | [1,000] 1,200 | E | 10,000 | 10,000 | C | 10,000 | 10,000 | C | 10,000 | [3,700] 4,300 | E | 10,000 | 10,000 | C | NA |
| ACETONITRILE | 75-05-8 | 13 | 1.5 | E | 53 | 6 | E | 1,300 | 150 | E | 5,300 | 600 | E | 130 | 15 | E | 530 | 60 | E | NA |
| ACETOPHENONE | 98-86-2 | [370] 420 | [200] 230 | E | [1,000] 1,200 | [540] 640 | E | 10,000 | 10,000 | C | 10,000 | 10,000 | C | [370] 420 | [200] 230 | E | [1,000] 1,200 | [540] 640 | E | NA |
| ACETYLAMINOFLOURENE, 2-(2AAF) | 53-96-3 | [0.017] 0.019 | [0.07] 0.08 | E | [0.068] 0.089 | [0.28] 0.37 | E | [1.7] 1.9 | [7] 8 | E | [6.8] 8.9 | [28] 37 | E | [17] 19 | [70] 78 | E | [68] 89 | [280] 370 | E | 20 |
| ACROLEIN | 107-02-8 | 0.0042 | 0.00047 | E | 0.018 | 0.002 | E | 0.42 | 0.047 | E | 1.8 | 0.2 | E | 0.042 | 0.0047 | E | 0.18 | 0.02 | E | NA |
| ACRYLAMIDE | 79-06-1 | [0.0038] 0.019 | [0.006] 0.0033 | E | [0.019] 0.025 | [0.0033] 0.043 | E | [0.4] 1.9 | [0.07] 0.33 | E | [1.9] 25 | [0.33] 4.3 | E | [0.004] 0.019 | [0.007] 0.0033 | E | [0.019] 0.25 | [0.0033] 0.043 | E | NA |
| ACRYLIC ACID | 79-10-7 | 0.21 | 0.039 | E | 0.88 | 0.16 | E | 21 | 3.9 | E | 88 | 16 | E | 21 | 3.9 | E | 88 | 16 | E | NA |
| ACRYLONITRILE | 107-13-1 | 0.072 | 0.01 | E | 0.37 | 0.051 | E | 7.2 | 1 | E | 37 | 5.1 | E | 7.2 | 1 | E | 37 | 5.1 | E | NA |
| ALACHLOR | 15972-60-8 | 0.2 | 0.077 | E | 0.2 | 0.077 | E | 20 | 7.7 | E | 20 | 7.7 | E | 20 | 7.7 | E | 0.2 | 0.077 | E | NA |
| ALDICARB | 116-06-3 | 0.3 | 0.05 | E | 0.3 | 0.05 | E | 30 | 5 | E | 30 | 5 | E | 300 | 50 | E | 300 | 50 | E | NA |
| ALDICARB SULFONE | 1646-88-4 | 0.2 | 0.027 | E | 0.2 | 0.027 | E | 20 | 2.7 | E | 20 | 2.7 | E | 20 | 2.7 | E | 0.2 | 0.027 | E | NA |
| ALDICARB SULFOXIDE | 1646-87-3 | 0.4 | 0.045 | E | 0.4 | 0.045 | E | 40 | 4.5 | E | 40 | 4.5 | E | 40 | 4.5 | E | 0.4 | 0.045 | E | NA |
| ALDRIN | 309-00-2 | [0.0039] 0.0043 | [0.47] 0.52 | E | [0.015] 0.02 | [1.8] 2.4 | E | [0.39] 0.43 | [47] 52 | E | [1.5] 2.0 | [180] 240 | E | 2 | 240 | E | 2 | 240 | E | 10 |
| ALLYL ALCOHOL | 107-18-6 | [0.063] 0.021 | [0.0075] 0.0025 | E | [0.26] 0.088 | [0.031] 0.01 | E | [6.3] 2.1 | [0.75] 0.25 | E | [26] 9 | [3.1] 1 | E | [6.3] 2.1 | [0.75] 0.25 | E | [26] 9 | [3.1] 1 | E | NA |
| AMETRYN | 834-12-8 | 6 | 6.5 | E | 6 | 6.5 | E | 600 | 650 | E | 600 | 650 | E | 6 | 6.5 | E | 6 | 6.5 | E | NA |
| AMINOBIPHENYL, 4- | 92-67-1 | [0.0031] 0.0035 | [0.0012] 0.0014 | E | [0.012] 0.016 | [0.0046] 0.0062 | E | [0.31] 0.35 | [0.12] 0.14 | E | [1.2] 1.6 | [0.46] 0.62 | E | [3.1] 3.5 | [1.2] 1.4 | E | [12] 16 | [4.6] 6.2 | E | NA |
| AMITROLE | 61-82-5 | [0.07] 0.078 | [0.029] 0.032 | E | [0.28] 0.36 | [0.12] 0.15 | E | [7] 8 | [2.9] 3.2 | E | [28] 36 | [12] 15 | E | [70] 78 | [29] 32 | E | [280] 360 | [120] 150 | E | NA |
| AMMONIA | 7664-41-7 | 3,000 | 360 | E | 3,000 | 360 | E | 10,000 | 10,000 | C | 10,000 | 10,000 | C | 3,000 | 360 | E | 3,000 | 360 | E | NA |
| AMMONIUM SULFAMATE | 7773-06-0 | 200 | 24 | E | 200 | 24 | E | 20,000 | 2,400 | E | 20,000 | 2,400 | E | 200 | 24 | E | 200 | 24 | E | NA |
| ANILINE | 62-53-3 | 0.21 | 0.12 | E | 0.88 | 0.52 | E | 21 | 12 | E | 88 | 52 | E | 21 | 12 | E | 88 | 52 | E | NA |
| ANTHRACENE | 120-12-7 | 6.6 | 350 | E | 6.6 | 350 | E | 6.6 | 350 | E | 6.6 | 350 | E | 6.6 | 350 | E | 6.6 | 350 | E | 10 |
| ATRAZINE | 1912-24-9 | 0.3 | 0.13 | E | 0.3 | 0.13 | E | 30 | 13 | E | 30 | 13 | E | 0.3 | 0.13 | E | 0.3 | 0.13 | E | NA |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

APPENDIX A
 TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | Non-Use Aquifers | | | | | | Soil Buffer Distance (feet) | |
|-----------------------------|------------|-----------------|---------------|-----------------|---------------|-----------------|-----------------|------------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------------|----|
| | | TDS ≤ 2,500 | | | TDS > 2,500 | | | Residential | | | Non-Residential | | | | |
| | | Residential | | Non-Residential | Residential | | Non-Residential | Residential | | Non-Residential | Residential | | Non-Residential | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | |
| AZINPHOS-METHYL (GUTHION) | 86-50-0 | [11] 13 | [12] 15 | [31] 35 | [35] 40 | [1,100] 1,300 | [1,200] 1,500 | [3,100] 3,200 | [3,500] 3,600 | [11] 13 | [12] 15 | [31] 35 | [35] 40 | E | NA |
| BAYGON (PROPOXUR) | 114-26-1 | 0.3 | 0.057 E | 0.3 | 0.057 E | 30 | 5.7 E | 30 | 5.7 E | 300 | 57 E | 300 | 57 E | E | NA |
| BENOMYL | 17804-35-2 | [180] 200 | [880] 970 | 200 | 970 E | 200 | 970 E | 200 | 970 E | [180] 200 | [880] 970 | 200 | 970 E | E | 20 |
| BENTAZON | 25057-89-0 | 20 | 2.9 E | 20 | 2.9 E | 2,000 | 290 E | 2,000 | 290 E | 20 | 2.9 E | 20 | 2.9 E | E | NA |
| BENZENE | 71-43-2 | 0.5 | 0.13 E | 0.5 | 0.13 E | 50 | 13 E | 50 | 13 E | 50 | 13 E | 50 | 13 E | E | NA |
| BENZIDINE | 92-87-5 | [0.00093] 0.13 | [0.12] 0.13 | [0.0011] 0.0015 | [1.5] 2 | [0.0093] 0.0098 | [12] 13 | [0.11] 0.15 | [150] 200 | [0.093] 0.098 | [120] 130 | [1.1] 1.5 | [1,500] 2,000 | E | 5 |
| BENZO(A)ANTHRACENE | 56-55-3 | [0.029] 0.032 | [25] 28 | [0.36] 0.49 | [320] 430 | E | 960 E | E | 960 E | 1.1 | 960 E | 1.1 | 960 E | E | 5 |
| BENZO(A)PYRENE | 50-32-8 | 0.02 | 46 E | 0.02 | 46 E | 0.38 | 860 E | 0.38 | 860 E | 0.38 | 860 E | 0.38 | 860 E | E | 5 |
| BENZO(B)FLUORANTHENE | 205-99-2 | [0.029] 0.031 | [40] 43 | E | 170 E | E | 170 E | E | 170 E | E | 170 E | E | 170 E | E | 5 |
| BENZO(G)HUIPERYLENE | 191-24-2 | 0.026 | 180 E | 0.026 | 180 E | 0.026 | 180 E | 0.026 | 180 E | 0.026 | 180 E | 0.026 | 180 E | E | 5 |
| BENZO(K)FLUORANTHENE | 207-08-9 | 0.055 | 610 E | 0.055 | 610 E | 0.055 | 610 E | 0.055 | 610 E | 0.055 | 610 E | 0.055 | 610 E | E | 5 |
| BENZOIC ACID | 65-85-0 | [15,000] 17,000 | [2,900] 3,200 | [41,000] 47,000 | [7,800] 9,000 | E | 52,000 E | 190,000 E | 52,000 E | [15,000] 17,000 | [2,900] 3,200 | [41,000] 47,000 | [7,800] 9,000 | E | NA |
| BENZOTRICHLORIDE | 98-07-7 | [0.0051] 0.0056 | [0.012] 0.014 | [0.021] 0.026 | [0.048] 0.063 | E | 10,000 E | 10,000 E | 10,000 C | [0.51] 0.56 | [1.2] 1.4 | [4.8] 6.3 | [48] 63 | E | 30 |
| BENZYL ALCOHOL | 100-51-6 | [1,800] 420 | [650] 150 | [5,100] 1,200 | [1,800] 430 | E | 10,000 E | 10,000 C | 10,000 C | [1,800] 420 | [650] 150 | [5,100] 1,200 | [1,800] 430 | E | NA |
| BENZYL CHLORIDE | 100-44-7 | 0.1 | 0.059 E | 0.51 | 0.3 E | 10 | 5.9 E | 51 | 30 E | 10 | 5.9 E | 51 | 30 E | E | NA |
| BETA PROIOLACTONE | 57-57-8 | 0.0012 | 0.00015 E | 0.0063 | 0.00076 E | E | 0.1 | 0.015 E | 0.63 | 0.076 E | 0.012 | 0.0015 E | 0.063 | E | NA |
| BHC, ALPHA | 319-84-6 | [0.01] 0.012 | [0.046] 0.055 | [0.041] 0.054 | [0.19] 0.25 | E | 1 | [4.6] 5.5 | [4.1] 5.4 | [19] 25 | [46] 55 | [41] 54 | [190] 250 | E | 20 |
| BHC, BETA- | 319-85-7 | [0.037] 0.041 | [0.22] 0.24 | [0.14] 0.19 | [0.82] 1.1 | E | [3.7] 4.1 | E | 10 24 | 10 59 | 10 59 | 10 59 | 10 59 | E | 15 |
| BHC, GAMMA (LINDANE) | 58-89-9 | 0.02 | 0.072 E | 0.02 | 0.072 E | E | 2 | 7.2 E | 2 | 7.2 E | 20 | 72 E | 20 | E | 20 |
| BIPHENYL, 1,1- | 92-52-4 | [180] 9.1 | [790] 40 | [510] 43 | [2,200] 190 | E | 720 | 3,100 E | 720 | 3,100 E | 720 | 3,100 E | 720 | E | 20 |
| BIS(2-CHLOROETHOXY) METHANE | 111-91-1 | [11] 13 | [2.9] 3.4 | [31] 35 | [8.2] 9.2 | E | [1,100] 1,300 | E | [3,100] 3,500 | [11] 13 | [2.9] 3.4 | [31] 35 | [8.2] 9.2 | E | NA |
| BIS(2-CHLOROETHYL)ETHER | 111-44-4 | 0.015 | 0.0045 E | 0.076 | 0.023 E | E | 1.5 | 0.45 E | 7.6 | 2.3 E | 1.5 | 0.45 E | 7.6 | E | NA |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap
 NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAA5 – The values listed for haloacetic acids (HAA5) are the total for all HAA5 combined.

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 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Non-Use Aquifers | | | | Soil Buffer Distance (feet) | | |
|------------------------------|-----------|------------------|--------------------|-----------------|------------------|--------------------|------------------|------------------|------------------|--------------|------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|-----------------------------|---|----|
| | | TDS ≤ 2500 | | | | | | TDS > 2500 | | | | | | Residential | | Non-Residential | | | | |
| | | Residential | | Non-Residential | | Residential | | Non-Residential | | Residential | | Non-Residential | | Residential | | Non-Residential | | | | |
| | | 100 X MSC | Generic Value | 100 X MSC | Generic Value | 100 X MSC | Generic Value | 100 X MSC | Generic Value | 100 X MSC | Generic Value | 100 X MSC | Generic Value | 100 X MSC | Generic Value | 100 X MSC | Generic Value | | | |
| BIS(2-CHLORO-ISOPROPYL)ETHER | 108-60-1 | 30 | 8 | E | 30 | 8 | E | 3,000 | 800 | E | 3,000 | 800 | E | 3,000 | 800 | E | 3,000 | 800 | E | NA |
| BIS(CHLOROMETHYL)ETHER | 542-88-1 | 0.000079 | 0.000012 | E | 0.0004 | 0.00006 | E | 0.0079 | 0.001 | E | 0.04 | 0.006 | E | 0.0079 | 0.001 | E | 0.04 | 0.006 | E | NA |
| BIS(2-ETHYLHEXYL)PHTHALATE | 117-81-7 | 0.6 | 130 | E | 0.6 | 130 | E | 29 | 6,300 | E | 29 | 6,300 | E | 29 | 6,300 | E | 29 | 6,300 | E | 10 |
| BISPHENOL A | 80-05-7 | [180] 210 | [700] 810 | E | [510] 580 | [2,000] 2,200 | E | 12,000 | 46,000 | E | 12,000 | 46,000 | E | 12,000 | 46,000 | E | 12,000 | 46,000 | E | 20 |
| BROMACIL | 314-40-9 | 7 | 1.8 | E | 7 | 1.8 | E | 700 | 180 | E | 700 | 180 | E | 7 | 1.8 | E | 7 | 1.8 | E | NA |
| BROMOCHLOROMETHANE | 74-97-5 | 9 | 1.6 | E | 9 | 1.6 | E | 900 | 160 | E | 900 | 160 | E | 9 | 1.6 | E | 9 | 1.6 | E | NA |
| BROMODICHLORO METHANE (THM) | 75-27-4 | 8 | 2.7 | E | 8 | 2.7 | E | 800 | 270 | E | 800 | 270 | E | 8 | 2.7 | E | 8 | 2.7 | E | NA |
| BROMOMETHANE | 74-83-9 | 1 | 0.54 | E | 1 | 0.54 | E | 100 | 54 | E | 100 | 54 | E | 100 | 54 | E | 100 | 54 | E | NA |
| BROMOXNIL | 1689-84-5 | [73] 83 | [63] 71 | E | [200] 230 | [170] 200 | E | [7,300] 8,300 | [6,300] 7,100 | E | 13,000 | 11,000 | E | [73] 83 | [63] 71 | E | [200] 230 | [170] 200 | E | NA |
| BROMOXYNIL OCTANOATE | 1689-99-2 | 8 | 360 | E | 8 | 360 | E | 8 | 360 | E | 8 | 360 | E | 8 | 360 | E | 8 | 360 | E | 15 |
| BUTADIENE, 1,3- | 106-99-0 | [0.019] 0.021 | [0.0078] 0.0086 | E | [0.076] 0.1 | [0.031] 0.041 | E | [1.9] 2.1 | [0.78] 0.86 | E | [7.6] 10 | [3.1] 4.1 | E | [1.9] 2.1 | [0.78] 0.86 | E | [7.6] 10 | [3.1] 4.1 | E | NA |
| BUTYL ALCOHOL, N- | 71-36-3 | [370] 420 | [44] 50 | E | [1,000] 1,200 | [120] 140 | E | 10,000 | [4,400] 5,000 | E | 10,000 | 10,000 | C | [3,700] 4,200 | [440] 500 | E | 10,000 | [1,200] 1,400 | E | NA |
| BUTYLATE | 2008-41-5 | 40 | 58 | E | 40 | 58 | E | 4,000 | 5,800 | E | 4,000 | 5,800 | E | 40 | 58 | E | 40 | 58 | E | 30 |
| BUTYLBENZENE, N- | 104-51-8 | [150] 210 | [950] 1,300 | E | [410] 580 | [12,600] 3,700 | E | 1,500 | 9,500 | E | 1,500 | 9,500 | E | [150] 210 | [950] 1,300 | E | [410] 580 | [12,600] 3,700 | E | 15 |
| BUTYLBENZENE, SEC- | 135-98-8 | [150] 420 | [350] 980 | E | [410] 1,200 | [960] 2,800 | E | 1,700 | 4,000 | E | 1,700 | 4,000 | E | [150] 420 | [350] 980 | E | [410] 1,200 | [960] 2,800 | E | 30 |
| BUTYLBENZENE, TERT- | 98-06-6 | [150] 420 | [270] 760 | E | [410] 1,200 | [740] 2,200 | E | 3,000 | 5,400 | E | 3,000 | 5,400 | E | [150] 420 | [270] 760 | E | [410] 1,200 | [740] 2,200 | E | 30 |
| BUTYLBENZYL PHTHALATE | 85-68-7 | [35] 38 | [3,000] 3,200 | E | [140] 180 | [10,000] 10,000 | C | 270 | 10,000 | C | 270 | 10,000 | C | 270 | 10,000 | C | 270 | 10,000 | C | 10 |
| CAPTAN | 133-06-2 | [29] 32 | [18] 20 | E | 50 | 31 | E | 50 | 31 | E | 50 | 31 | E | 50 | 31 | E | 50 | 31 | E | NA |
| CARBARYL | 63-25-2 | [370] 420 | [220] 250 | E | [1,000] 1,200 | [590] 700 | E | 12,000 | 7,000 | E | 12,000 | 7,000 | E | 12,000 | 7,000 | E | 12,000 | 7,000 | E | NA |
| CARBAZOLE | 86-74-8 | [3,3] 3.7 | [21] 24 | E | [13] 17 | [83] 110 | E | 120 | 760 | E | 120 | 760 | E | [120] 4 | [760] 24 | E | [120] 17 | [760] 110 | E | 15 |
| CARBOFURAN | 1563-66-2 | 4 | 0.87 | E | 4 | 0.87 | E | 400 | 87 | E | 400 | 87 | E | 4 | 0.87 | E | 4 | 0.87 | E | NA |
| CARBON DISULFIDE | 75-15-0 | 150 | 130 | E | 620 | 530 | E | 10,000 | 10,000 | C | 10,000 | 10,000 | C | 150 | 130 | E | 620 | 530 | E | NA |
| CARBON TETRACHLORIDE | 56-23-5 | 0.5 | 0.26 | E | 0.5 | 0.26 | E | 50 | 26 | E | 50 | 26 | E | 5 | 2.6 | E | 5 | 2.6 | E | NA |
| CARBOXIN | 5234-68-4 | 70 | 53 | E | 70 | 53 | E | 7,000 | 5,300 | E | 7,000 | 5,300 | E | 70 | 53 | E | 70 | 53 | E | NA |

¹ For other options see § 250.308

All concentrations in mg/kg

E – Number calculated by the soil to groundwater equation in § 250.308

C – Cap

NA – The soil buffer distance option is not available for this substance

THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.

HAA5 – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

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B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Soil Buffer Distance (feet) | | |
|--------------------------------------|------------|---------------|------------------|--------------------|------------------|--------------------|------------------|--------------|------------------|--------------------|------------------|--------------|------------------|-----------------------------|------------|----|
| | | TDS ≤ 2,500 | | | | | | TDS > 2,500 | | | | | | | | |
| | | Residential | | | Non-Residential | | | Residential | | | Non-Residential | | | | | |
| | | 100 X MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X MSC | Generic Value | | | |
| CHLORHAL-DIMETHYL (DACHAL) (DCPA) | 1861-32-1 | 7 | 110 E | 7 | 110 E | 50 | 820 E | 50 | 820 E | 50 | 820 E | 50 | 820 E | 50 | 820 E | 15 |
| | 218-01-9 | 0.19 | 230 E | 0.19 | 230 E | 0.19 | 230 E | 0.19 | 230 E | 0.19 | 230 E | 0.19 | 230 E | 0.19 | 230 E | 5 |
| CRESOL(S) | 1319-77-3 | 18 | [3.1] E | [51] | [8.9] E | [1,800] | [310] E | [1,800] | [890] E | [5,100] | [310] E | [1,800] | [890] E | [5,100] | [890] E | NA |
| | 534-52-1 | 21 | 3.6 | 58 | 10 | 2,100 | 360 | 2,100 | 1,000 | 3,800 | 360 | 2,100 | 1,000 | 5,800 | 1,000 | NA |
| CRESOL, 4,6-DINITRO-O- | [0.37] | 0.25 | [0.28] E | [1] | [0.75] E | [37] | [28] | [100] | [75] | [100] | [280] E | [370] | [750] E | [1,000] | [750] E | NA |
| | 0.33 | 0.25 | [0.37] E | [1] | [0.75] E | [37] | [28] | [100] | [75] | [100] | [280] E | [370] | [750] E | [1,000] | [750] E | NA |
| CRESOL, O-(2- METHYLPHENOL) | 95-48-7 | 180 | [30] E | [510] | [85] E | [18,000] | [3,000] E | [18,000] | [8,500] E | [51,000] | [3,000] E | [18,000] | [8,500] E | [51,000] | [8,500] E | NA |
| | 210 | 35 | [30] E | [510] | [85] E | [18,000] | [3,000] E | [18,000] | [8,500] E | [51,000] | [3,000] E | [18,000] | [8,500] E | [51,000] | [8,500] E | NA |
| CRESOL, M-(3- METHYLPHENOL) | 108-39-4 | 180 | [36] E | [510] | [100] E | 10,000 | [3,600] E | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | NA |
| | 210 | 41 | [36] E | [510] | [100] E | 10,000 | [3,600] E | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | NA |
| CRESOL, P-(4- METHYLPHENOL) | 106-44-5 | 18 | [4.2] E | [51] | [12] | [1,800] | [420] E | [1,800] | [1,200] E | [5,100] | [420] E | [1,800] | [1,200] E | [5,100] | [1,200] E | NA |
| | 21 | 4.9 | [4.2] E | [51] | [12] | [1,800] | [420] E | [1,800] | [1,200] E | [5,100] | [420] E | [1,800] | [1,200] E | [5,100] | [1,200] E | NA |
| CRESOL, P-CHLORO-M- | 59-50-7 | 18 | [37] E | [51] | [110] | [1,800] | [3,700] E | [1,800] | [11,000] E | [5,100] | [3,700] E | [1,800] | [11,000] E | [5,100] | [3,700] E | 30 |
| | 420 | 870 | [37] E | [51] | [110] | [1,800] | [3,700] E | [1,800] | [11,000] E | [5,100] | [3,700] E | [1,800] | [11,000] E | [5,100] | [3,700] E | 30 |
| CROTONALDEHYDE | 4170-30-3 | [0.035] | [0.0044] E | [0.14] | [0.018] E | [3.5] | [0.44] E | [14] | [1.8] E | [14] | [0.44] E | [3.5] | [0.44] E | [14] | [1.8] E | NA |
| | 0.038 | 0.0048 | [0.035] E | [0.14] | [0.018] E | [3.5] | [0.44] E | [14] | [1.8] E | [14] | [0.44] E | [3.5] | [0.44] E | [14] | [1.8] E | NA |
| CROTONALDEHYDE, TRANS- | 123-73-9 | [0.035] | [0.0044] E | [0.14] | [0.018] E | [3.5] | [0.44] E | [14] | [1.8] E | [14] | [0.44] E | [3.5] | [0.44] E | [14] | [1.8] E | NA |
| | 0.038 | 0.0048 | [0.035] E | [0.14] | [0.018] E | [3.5] | [0.44] E | [14] | [1.8] E | [14] | [0.44] E | [3.5] | [0.44] E | [14] | [1.8] E | NA |
| CUMENE (ISOPROPYL BENZENE) | 98-82-8 | 84 | 600 E | 350 | 2,500 E | 5,000 | 10,000 | 5,000 | 10,000 | 5,000 | 10,000 | 5,000 | 10,000 | 5,000 | 10,000 | 15 |
| | 21725-46-2 | 0.1 | 0.061 E | 0.1 | 0.061 E | 10 | 6.1 E | 10 | 6.1 E | 10 | 6.1 E | 10 | 6.1 E | 10 | 6.1 E | NA |
| CYANAZINE | 110-82-7 | 1,300 | 1,700 E | 5,300 | 6,900 E | 5,500 | 7,200 E | 5,500 | 7,200 E | 5,500 | 7,200 E | 5,500 | 7,200 E | 5,500 | 7,200 E | NA |
| | 108-94-1 | [10,000] | [5,000] E | [10,000] | [10,000] E | 10,000 | [10,000] E | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | NA |
| CYCLOHEXANONE | 150 | 41 | 33 E | 620 | 170 E | 4,100 | 410 | 4,100 | 150 | 41 | 33 E | 620 | 170 E | 4,100 | 410 | NA |
| | 68359-37-5 | 0.1 | 33 E | 620 | 170 E | 4,100 | 410 | 4,100 | 150 | 41 | 33 E | 620 | 170 E | 4,100 | 410 | NA |
| CYFLOTRIN | 66215-27-8 | [27] | [84] E | [77] | [240] E | [2,700] | [8,400] E | [2,700] | [24,000] E | [7,700] | [8,400] E | [2,700] | [24,000] E | [7,700] | [24,000] E | 20 |
| | 0.31 | 96 | [84] E | [77] | [240] E | [2,700] | [8,400] E | [2,700] | [24,000] E | [7,700] | [8,400] E | [2,700] | [24,000] E | [7,700] | [24,000] E | 20 |
| DDD, 4,4'- | 72-54-8 | [0.28] | [31] E | [1.1] | [120] E | 16 | 1,800 E | 16 | 1,800 E | 16 | 1,800 E | 16 | 1,800 E | 16 | 1,800 E | 10 |
| | 0.3 | 33 | [31] E | [1.1] | [120] E | 16 | 1,800 E | 16 | 1,800 E | 16 | 1,800 E | 16 | 1,800 E | 16 | 1,800 E | 10 |
| DDE, 4,4'- | 72-55-9 | [0.19] | [41] E | [0.76] | [170] E | 4 | 870 E | 4 | 870 E | 4 | 870 E | 4 | 870 E | 4 | 870 E | 10 |
| | 0.21 | 130 | [41] E | [0.76] | [170] E | 4 | 870 E | 4 | 870 E | 4 | 870 E | 4 | 870 E | 4 | 870 E | 10 |
| DDT, 4,4'- | 50-29-3 | [0.19] | [110] E | 0.55 | 330 E | 0.55 | 330 E | 0.55 | 330 E | 0.55 | 330 E | 0.55 | 330 E | 0.55 | 330 E | 5 |
| | 0.21 | 130 | [110] E | 0.55 | 330 E | 0.55 | 330 E | 0.55 | 330 E | 0.55 | 330 E | 0.55 | 330 E | 0.55 | 330 E | 5 |
| DI(2-ETHYLHEXYL)ADIPATE | 103-23-1 | 40 | 10,000 | 40 | 10,000 | 40 | 10,000 | 40 | 10,000 | 40 | 10,000 | 40 | 10,000 | 40 | 10,000 | 5 |
| | 2303-16-4 | [1.1] | [0.64] E | [4.3] | [2.5] E | [110] | [64] E | [110] | [250] E | [430] | [64] E | [110] | [250] E | [430] | [64] E | NA |
| | | 1.2 | 0.7 | 5.6 | 3.3 | 120 | 70 | 120 | 330 | 560 | 70 | 120 | 330 | 560 | 70 | NA |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

APPENDIX A
TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Soil Buffer Distance (feet) | | | | | | | | | |
|---|-----------|---------------|---------------|--------------|-----------------|--------------|---------------|--------------|---------------|--------------|-----------------|--------------|---------------|-----------------------------|---------|-----|----------|---------|-----|---------|---------|-----|------|
| | | TDS ≤ 2,500 | | | | | | TDS > 2,500 | | | | | | | | | | | | | | | |
| | | Residential | | | Non-Residential | | | Residential | | | Non-Residential | | | | | | | | | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | | | | | | | | |
| DIAMINOTOLUENE, 2,4- | 95-80-7 | [0.017] | [0.0034] | E | [0.008] | [0.014] | E | [1.7] | [0.34] | E | [6.8] | [1.4] | E | [17] | [3.4] | E | [68] | [14] | E | NA | | | |
| | | 0.019 | 0.0038 | 0.14 | 0.089 | 0.018 | 0.14 | 1.9 | 0.38 | 8.9 | 1.8 | 19 | 3.8 | 89 | 18 | 19 | 3.8 | 89 | 18 | 19 | 3.8 | 89 | |
| DIAZINON | 333-41-5 | 0.1 | 0.14 | E | 0.1 | 0.14 | E | 0.1 | 0.14 | E | 0.1 | 0.14 | E | 0.1 | 0.14 | E | 0.1 | 0.14 | E | 0.1 | 0.14 | E | 30 |
| | | [0.0029] | [13] | E | [0.036] | [160] | E | 0.06 | 270 | E | 0.06 | 270 | E | 0.06 | 270 | E | 0.06 | 270 | E | 0.06 | 270 | E | 5 |
| DIBENZO[A,H] ANTHRACENE | 53-70-3 | 0.0031 | 1.4 | E | 0.047 | 210 | E | 0.06 | 270 | E | 0.06 | 270 | E | 0.06 | 270 | E | 0.06 | 270 | E | 0.06 | 270 | E | 5 |
| | | [3.7] | [95] | E | [10] | [260] | E | [370] | [9,500] | E | 450 | 12,000 | E | 450 | 12,000 | E | 450 | 12,000 | E | 450 | 12,000 | E | 15 |
| DIBENZOFURAN | 132-64-9 | 4.2 | 110 | E | 12 | 310 | E | 2 | 0.92 | E | 2 | 0.92 | E | 2 | 0.92 | E | 2 | 0.92 | E | 2 | 0.92 | E | NA |
| | | 0.02 | 0.0092 | E | 0.02 | 0.0092 | E | 2 | 0.92 | E | 2 | 0.92 | E | 2 | 0.92 | E | 2 | 0.92 | E | 2 | 0.92 | E | NA |
| DIBROMO-3-CHLOROPROPANE, 1,2- | 96-12-8 | [37] | [150] | E | [100] | [410] | E | 2,000 | 8,200 | E | 2,000 | 8,200 | E | [37] | [150] | E | [100] | [410] | E | [100] | [410] | E | 20 |
| | | 42 | 170 | 0.005 | 0.0012 | E | 0.005 | 0.0012 | E | 0.5 | 0.12 | E | 0.5 | 0.12 | E | 0.5 | 0.12 | E | 0.5 | 0.12 | E | 0.5 | 0.12 |
| DIBROMOETHANE, 1,2-(ETHYLENE DIBROMIDE) | 106-93-4 | 0.005 | 0.0012 | E | 0.005 | 0.0012 | E | 0.5 | 0.12 | E | 0.5 | 0.12 | E | 0.5 | 0.12 | E | 0.5 | 0.12 | E | 0.5 | 0.12 | E | NA |
| | | [37] | [14] | E | [100] | [39] | E | [3,700] | [1,400] | E | [10,000] | [3,900] | E | [3,700] | [1,400] | E | [10,000] | [3,900] | E | [3,700] | [1,400] | E | NA |
| DIBROMOMETHANE | 74-95-3 | 0.84 | 0.32 | E | 3.5 | 1.4 | E | 84 | 32 | E | 350 | 140 | E | 84 | 32 | E | 350 | 140 | E | 350 | 140 | E | NA |
| | | [370] | [1,500] | E | [1,000] | [4,100] | E | 10,000 | 10,000 | C | 10,000 | 10,000 | C | 10,000 | 10,000 | C | 10,000 | 10,000 | C | 10,000 | 10,000 | C | 20 |
| DIBUTYL PHTHALATE, N- | 84-74-2 | 420 | 1,700 | E | 1,200 | 4,900 | E | 40,000 | 4,500 | E | 40,000 | 4,500 | E | 40,000 | 4,500 | E | 40,000 | 4,500 | E | 40,000 | 4,500 | E | NA |
| | | 400 | 4.5 | E | 400 | 4.5 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | NA |
| DICAMBA | 1918-00-9 | 6 | 0.79 | E | 6 | 0.79 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | NA |
| | | 6 | 0.79 | E | 6 | 0.79 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | 600 | 79 | E | NA |
| DICHLOROACETIC ACID (HAA) | 76-43-6 | 0.0012 | 0.00067 | E | 0.006 | 0.0034 | E | 0.12 | 0.07 | E | 0.6 | 0.34 | E | 0.0012 | 0.0007 | E | 0.006 | 0.0034 | E | 0.006 | 0.0034 | E | NA |
| | | 0.0012 | 0.00078 | E | 0.006 | 0.0039 | E | 0.12 | 0.078 | E | 0.6 | 0.39 | E | 0.0012 | 0.00078 | E | 0.006 | 0.0039 | E | 0.006 | 0.0039 | E | NA |
| DICHORO-2-BUTENE, 1,4- | 764-41-0 | 60 | 59 | E | 60 | 59 | E | 6,000 | 5,900 | E | 6,000 | 5,900 | E | 6,000 | 5,900 | E | 6,000 | 5,900 | E | 6,000 | 5,900 | E | NA |
| | | 60 | 61 | E | 60 | 61 | E | 6,000 | 6,100 | E | 6,000 | 6,100 | E | 6,000 | 6,100 | E | 6,000 | 6,100 | E | 6,000 | 6,100 | E | NA |
| DICHOROBENZENE, 1,2- | 95-50-1 | 7.5 | 10 | E | 7.5 | 10 | E | 750 | 1,000 | E | 750 | 1,000 | E | 750 | 1,000 | E | 750 | 1,000 | E | 750 | 1,000 | E | 30 |
| | | [0.15] | [8.3] | E | [0.58] | [32] | E | [15] | [830] | E | [58] | [3,200] | E | [150] | [8,300] | E | [150] | [8,300] | E | [150] | [8,300] | E | 10 |
| DICHOROBENZENE, 1,3- | 541-73-1 | 0.16 | 8.8 | E | 0.76 | 42 | E | 100 | 100 | E | 100 | 100 | E | 100 | 100 | E | 100 | 100 | E | 100 | 100 | E | NA |
| | | 100 | 100 | E | 100 | 100 | E | 100 | 100 | E | 100 | 100 | E | 100 | 100 | E | 100 | 100 | E | 100 | 100 | E | NA |
| DICHOROBENZENE, P- | 106-46-7 | 3.1 | 0.75 | E | 16 | 3.9 | E | 310 | 75 | E | 1,600 | 390 | E | 31 | 7.5 | E | 1,600 | 390 | E | 160 | 39 | E | NA |
| | | 0.5 | 0.1 | E | 0.5 | 0.1 | E | 50 | 10 | E | 50 | 10 | E | 5 | 1 | E | 50 | 10 | E | 5 | 1 | E | NA |
| DICHOROBENZENE, 1,1- | 107-06-2 | 0.7 | 0.19 | E | 0.7 | 0.19 | E | 70 | 19 | E | 70 | 19 | E | 7 | 1.9 | E | 70 | 19 | E | 7 | 1.9 | E | NA |
| | | 7 | 1.6 | E | 7 | 1.6 | E | 700 | 160 | E | 700 | 160 | E | 70 | 16 | E | 700 | 160 | E | 70 | 16 | E | NA |
| DICHOROETHYLENE, CIS-1,2- | 156-59-2 | 10 | 2.3 | E | 10 | 2.3 | E | 1,000 | 230 | E | 1,000 | 230 | E | 100 | 23 | E | 1,000 | 230 | E | 100 | 23 | E | NA |
| | | 10 | 2.3 | E | 10 | 2.3 | E | 1,000 | 230 | E | 1,000 | 230 | E | 100 | 23 | E | 1,000 | 230 | E | 100 | 23 | E | NA |
| DICHOROETHYLENE, TRANS-1,2- | 156-60-5 | 0.5 | 0.076 | E | 0.5 | 0.076 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | NA |
| | | 0.5 | 0.076 | E | 0.5 | 0.076 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | NA |
| DICHOROMETHANE (METHYLENE CHLORIDE) | 75-09-2 | 0.5 | 0.076 | E | 0.5 | 0.076 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | NA |
| | | 0.5 | 0.076 | E | 0.5 | 0.076 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | 50 | 7.6 | E | NA |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

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| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Non-Use Aquifers | | | | Soil Buffer Distance (feet) | | | | | | | | |
|--|------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|-----------------------------|--------|--------|----|--------|--------|----|----|----|
| | | TDS ≤ 2,500 | | | | | | TDS > 2,500 | | | | | | Residential | | Non-Residential | | | | | | | | | | |
| | | Residential | | Non-Residential | | Residential | | Non-Residential | | Residential | | Non-Residential | | Residential | | Non-Residential | | | | | | | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | | | | | | | |
| DICHLOROPHENOL, 2,4- | 120-83-2 | 2 | 1 | 2 | 1 | E | 100 | E | 200 | 180 | E | 100 | E | 200 | 180 | E | 100 | E | 2,000 | 1,000 | E | 2,000 | 1,000 | E | NA | |
| DICHLOROPHENOL, 2,4- (2,4-D) | 94-75-7 | 7 | 1.8 | 7 | 1.8 | E | 180 | E | 700 | 700 | E | 180 | E | 700 | 700 | E | 180 | E | 7,000 | 1,800 | E | 7,000 | 1,800 | E | NA | |
| DICHLOROPROPANE, 1,2- | 78-87-5 | 0.5 | 0.11 | 0.5 | 0.11 | E | 50 | E | 50 | 11 | E | 50 | E | 50 | 11 | E | 50 | E | 5 | 1.1 | E | 5 | 1.1 | E | NA | |
| DICHLOROPROPENE, 1,3- | 542-75-6 | 0.66 | 0.12 | 3.4 | 0.61 | E | 12 | 0.46 | 66 | 12 | E | 12 | E | 66 | 12 | E | 12 | E | 340 | 61 | E | 340 | 61 | E | NA | |
| DICHLOROPROPIONIC ACID, 2,2-(DALAPON) | 75-99-0 | 20 | 5.3 | 20 | 5.3 | E | 2,000 | 530 | 2,000 | 530 | E | 2,000 | 530 | 2,000 | 530 | E | 2,000 | 530 | 2,000 | 530 | E | 2,000 | 530 | E | NA | |
| DICHLOROVOS | 62-73-7 | 0.23 | 0.054 | 0.9 | 0.28 | E | 123 | 5.4 | 23 | 5.4 | E | 123 | 5.4 | 23 | 5.4 | E | 123 | 5.4 | 23 | 5.4 | E | 23 | 5.4 | E | NA | |
| DICYCLOPENTADIENE | 77-73-6 | 1.5 | 3.2 | 6.2 | 1.3 | E | 150 | 320 | 150 | 320 | E | 150 | 320 | 150 | 320 | E | 150 | 320 | 620 | 1,300 | E | 620 | 1,300 | E | 30 | |
| DIELDRIN | 60-57-1 | 0.0041 | 0.11 | 0.016 | 0.44 | E | 0.41 | 11 | 0.41 | 11 | E | 0.41 | 11 | 0.41 | 11 | E | 0.41 | 11 | 1.6 | 44 | E | 1.6 | 44 | E | 15 | |
| DIETHANOLAMINE | 111-42-2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| DIETHYL PHTHALATE | 84-66-2 | 12,900 | 1,910 | 18,200 | 2,900 | E | 10,000 | 10,000 | 10,000 | 10,000 | C | 10,000 | 10,000 | 10,000 | 10,000 | C | 10,000 | 10,000 | 10,000 | 10,000 | C | 10,000 | 10,000 | C | NA | |
| DIFLUBENZURON | 35367-38-5 | 20 | 5.2 | 20 | 5.2 | E | 20 | 5.2 | 20 | 5.2 | E | 20 | 5.2 | 20 | 5.2 | E | 20 | 5.2 | 20 | 5.2 | E | 20 | 5.2 | E | 20 | |
| DIISOPROPYL METHYLPHOSPHONATE | 1445-75-6 | 60 | 8.2 | 60 | 8.2 | E | 6,000 | 820 | 6,000 | 820 | E | 6,000 | 820 | 6,000 | 820 | E | 6,000 | 820 | 6,000 | 820 | E | 6,000 | 820 | E | NA | |
| DIMETHOATE | 60-51-5 | 0.73 | 0.28 | 2 | 0.77 | E | 73 | 28 | 73 | 28 | E | 73 | 28 | 73 | 28 | E | 73 | 28 | 200 | 77 | E | 200 | 77 | E | NA | |
| DIMETHOXYBENZIDINE, 3,3- | 119-90-4 | 0.83 | 0.32 | 2.3 | 0.89 | E | 83 | 32 | 83 | 32 | E | 83 | 32 | 83 | 32 | E | 83 | 32 | 230 | 89 | E | 230 | 89 | E | 20 | |
| DIMETHYLAMINOAZO BENZENE, P- | 70-38-2 | 3.6 | 2.40 | 3.6 | 2.40 | E | 3.6 | 2.40 | 3.6 | 2.40 | E | 3.6 | 2.40 | 3.6 | 2.40 | E | 3.6 | 2.40 | 3.6 | 2.40 | E | 3.6 | 2.40 | E | 10 | |
| DIMETHYLANILINE, N,N- | 60-11-7 | 0.016 | 0.037 | 0.074 | 0.19 | E | 1.4 | 3.7 | 1.4 | 3.7 | E | 1.4 | 3.7 | 1.4 | 3.7 | E | 1.4 | 3.7 | 5.7 | 15 | E | 5.7 | 15 | E | 20 | |
| DIMETHYLBENZIDINE, 3,3- | 121-69-7 | 7.3 | 4.1 | 20 | 11 | E | 730 | 410 | 730 | 410 | E | 730 | 410 | 730 | 410 | E | 730 | 410 | 2,000 | 410 | E | 2,000 | 410 | E | NA | |
| DIMETHYLBENZIDINE, 3,3- | 119-93-7 | 8.3 | 4.7 | 23 | 13 | E | 830 | 470 | 830 | 470 | E | 830 | 470 | 830 | 470 | E | 830 | 470 | 2,300 | 470 | E | 2,300 | 470 | E | 10 | |
| DIMETHYL METHYLPHOSPHONATE | 756-79-6 | 10 | 1.2 | 10 | 1.2 | E | 1,000 | 120 | 1,000 | 120 | E | 1,000 | 120 | 1,000 | 120 | E | 1,000 | 120 | 1,000 | 120 | E | 1,000 | 120 | E | NA | |
| DIMETHYLPHENOL, 2,4- | 105-67-9 | 73 | 32 | 200 | 87 | E | 7,300 | 3,200 | 7,300 | 3,200 | E | 7,300 | 3,200 | 7,300 | 3,200 | E | 7,300 | 3,200 | 10,000 | 3,200 | C | 10,000 | 3,200 | C | NA | |
| DINITROBENZENE, 1,3- | 99-65-0 | 0.1 | 0.049 | 0.1 | 0.049 | E | 10 | 4.9 | 10 | 4.9 | E | 10 | 4.9 | 10 | 4.9 | E | 10 | 4.9 | 10 | 4.9 | E | 10 | 4.9 | E | NA | |
| DINITROPHENOL, 2,4- | 51-28-5 | 7.3 | 0.83 | 20 | 2.3 | E | 730 | 83 | 730 | 83 | E | 730 | 83 | 730 | 83 | E | 730 | 83 | 2,000 | 83 | E | 2,000 | 83 | E | NA | |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap
 NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAA5 – The values listed for haloacetic acids (HAA5) are the total for all HAA5 combined.

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| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | Non-Use Aquifers | | | | | | Soil Buffer Distance (feet) | |
|-------------------------------|------------|---------------|---------------|-----------------|---------------|--------------|-----------------|------------------|---------------|-----------------|-----------------|--------------|-----------------|-----------------------------|----|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | Residential | | | Non-Residential | | | | |
| | | Residential | | Non-Residential | Residential | | Non-Residential | Residential | | Non-Residential | Residential | | Non-Residential | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | |
| DINITROTOLUENE, 2,4-DNT) | 121-14-2 | [0.21] | [0.05] | [0.84] | [0.2] | [21] | [5] | [84] | [20] | [210] | [50] | [840] | [200] | E | NA |
| | | 0.24 | 0.057 | 1.1 | 0.26 | 24 | 6 | 110 | 26 | 240 | 57 | 1,100 | 260 | E | NA |
| DINITROTOLUENE, 2,6-(2,6-DNT) | 606-20-2 | [3.7] | [1.1] | [10] | [3] | [370] | [110] | [1,000] | [300] | [3,700] | [1,100] | [10,000] | [3,000] | E | NA |
| | | 4.2 | 1.2 | 12 | 4 | 420 | 120 | 1,200 | 360 | 4,200 | 1,200 | 12,000 | 3,600 | E | NA |
| DIOXANE, 1,4-DIOSEB | 88-85-7 | 0.7 | 0.29 | 0.7 | 0.29 | 70 | 29 | 70 | 42 | 700 | 290 | 700 | 290 | E | NA |
| | | [0.64] | [0.084] | [3.2] | [0.42] | [64] | [8.4] | [320] | [42] | [6.4] | [0.84] | [32] | [4.2] | E | NA |
| DIPHENYLAMINE | 957-51-7 | 20 | 12 | 20 | 12 | 2,000 | 1,200 | 2,000 | 1,200 | 20 | 12 | 20 | 12 | E | NA |
| | | 100 | 59 | 290 | 170 | 10,000 | 5,900 | 29,000 | 17,000 | 30,000 | 18,000 | 30,000 | 18,000 | E | NA |
| DIPHENYLHYDRAZINE, 1,2-DIQUAT | 85-00-7 | [0.083] | [0.15] | [0.33] | [0.58] | [8.3] | [15] | [33] | [58] | [25] | [44] | [25] | [44] | E | 30 |
| | | 0.091 | 0.16 | 0.43 | 0.76 | 9.1 | 16 | 43 | 76 | 25 | 44 | 25 | 44 | E | 30 |
| DITHIANE, 1,4-DIURON | 505-29-3 | 0.07 | 0.18 | 0.07 | 0.18 | 7 | 18 | 7 | 18 | 200 | 24 | 200 | 24 | E | NA |
| | | [7.3] | [6.3] | [20] | [17] | [730] | [630] | [2,000] | [1,700] | [7.3] | [6.3] | [20] | [17] | E | NA |
| ENDOSULFAN | 115-29-7 | [22] | [110] | 48 | 250 | 48 | 250 | 48 | 250 | 48 | 250 | 48 | 250 | E | 15 |
| | | 25 | 130 | 130 | 260 | 50 | 260 | 50 | 260 | 22 | 110 | 110 | 260 | E | 15 |
| ENDOSULFAN II (ALPHA) | 33213-65-9 | [22] | [130] | 45 | 260 | 45 | 260 | 45 | 260 | 45 | 260 | 45 | 260 | E | 15 |
| | | 25 | 150 | 150 | 260 | 45 | 260 | 45 | 260 | 22 | 130 | 130 | 260 | E | 15 |
| ENDOSULFAN SULFATE | 1031-07-8 | 12 | 70 | 12 | 70 | 12 | 70 | 12 | 70 | 12 | 70 | 12 | 70 | E | 15 |
| | | 10 | 4.1 | 10 | 4.1 | 1,000 | 410 | 1,000 | 410 | 10 | 4.1 | 10 | 4.1 | E | NA |
| EPICHLOROHYDRIN | 106-89-8 | 0.21 | 0.042 | 0.88 | 0.17 | 21 | 4.2 | 88 | 17 | 21 | 4.2 | 88 | 17 | E | NA |
| | | [18] | [2.1] | [51] | [5.9] | [1,800] | [210] | [5,100] | [590] | [18] | [2.1] | [51] | [5.9] | E | NA |
| ETHYL ACRYLATE | 140-88-5 | 1.4 | 0.54 | 1.4 | 0.54 | 140 | 54 | 140 | 54 | 140 | 54 | 140 | 54 | E | NA |
| | | 1.5 | 0.58 | 7.1 | 2.7 | 150 | 58 | 710 | 270 | 150 | 58 | 710 | 270 | E | NA |
| ETHYL BENZENE | 100-41-4 | 70 | 46 | 70 | 46 | 7,000 | 4,600 | 7,000 | 4,600 | 7,000 | 4,600 | 7,000 | 4,600 | E | NA |
| | | 2.1 | 46 | 5.8 | 130 | 85 | 1,900 | 85 | 1,900 | 2.1 | 46 | 5.8 | 130 | E | 15 |
| ETHOXYETHANOL, 2-(EGEE) | 110-80-5 | 42 | 5.9 | 180 | 25 | 4,200 | 590 | 10,000 | 2,500 | 4,200 | 590 | 10,000 | 2,500 | E | NA |
| | | [3,300] | [850] | [9,200] | [2,400] | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | C | NA |
| ETHYL ACETATE | 141-78-6 | 3,800 | 980 | 10,000 | 2,800 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | C | NA |
| | | [1.4] | [0.54] | [5.4] | [2.1] | [140] | [54] | [540] | [210] | [140] | [54] | [540] | [210] | E | NA |
| ETHYL BENZENE | 100-41-4 | 1.5 | 0.58 | 7.1 | 2.7 | 150 | 58 | 710 | 270 | 150 | 58 | 710 | 270 | E | NA |
| | | 70 | 46 | 70 | 46 | 7,000 | 4,600 | 7,000 | 4,600 | 7,000 | 4,600 | 7,000 | 4,600 | E | NA |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAA5 – The values listed for haloacetic acids (HAA5) are the total for all HAA5 combined.

APPENDIX A
 TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Soil Buffer Distance (feet) | | | |
|--|------------|--------------------|-------------------|--------------------|--------------------|----------------------|----------------------|----------------------|--------------------|----------------------|----------------------|----------------------|------------------|-----------------------------|-------------------|---|----|
| | | TDS ≤ 2,500 | | | | | | TDS > 2,500 | | | | | | | | | |
| | | Residential | | | Non-Residential | | | Residential | | | Non-Residential | | | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | | |
| ETHYL DIPROPYL THIOCARBAMATE-S- (EPTC) | 759-94-4 | [91] 100 | [65] 71 | [260] 290 | [180] 210 | [9,100] 10,000 | [6,500] 7,100 | [9,100] 10,000 | [180] 210 | [9,100] 10,000 | [6,500] 7,100 | [9,100] 10,000 | C | [260] 290 | [180] 210 | E | NA |
| ETHYLETHER | 60-29-7 | [730] 830 | [210] 230 | [2,000] 2,300 | [560] 650 | [10,000] 10,000 | 10,000 | [730] 830 | [210] 230 | [10,000] 10,000 | 10,000 | [730] 830 | C | [2,000] 2,300 | [560] 650 | E | NA |
| ETHYL METHACRYLATE | 97-63-2 | [330] 63 | [55] 10 | [920] 260 | [150] 43 | [10,000] 6,300 | [5,500] 1,000 | [10,000] 4,300 | [150] 43 | [10,000] 6,300 | [5,500] 1,000 | [10,000] 4,300 | C | [920] 260 | [150] 43 | E | NA |
| ETHYLENE CHLORHYDRIN | 107-07-3 | [83] 1,400 | [10] 170 | [230] 1,400 | [26] 170 | [8,300] 10,000 | [950] 10,000 | [8,300] 10,000 | [26] 170 | [8,300] 10,000 | [950] 10,000 | [8,300] 10,000 | C | [230] 1,400 | [26] 170 | E | NA |
| ETHYLENE GLYCOL | 107-21-1 | [0,29] 0,33 | [0,032] 0,037 | [0,82] 0,93 | [0,092] 0,1 | [10,000] 10,000 | [3,2] 3,7 | [82] 93 | [9,2] 10 | [10,000] 10,000 | [3,2] 3,7 | [82] 93 | C | [0,82] 0,93 | [0,092] 0,1 | E | NA |
| ETHYLENE THIOUREA (ETU) | 96-45-7 | [0,037] 0,042 | [0,12] 0,13 | [0,11] 0,12 | [0,31] 0,37 | [3,7] 4,2 | [12] 13 | [10] 12 | [31] 37 | [3,7] 4,2 | [12] 13 | [10] 12 | C | [0,037] 0,042 | [0,12] 0,13 | E | 20 |
| ETHYLP-NITROPHENYL PHENYLPHOSPHORO THIOATE | 2104-64-5 | [0,07] 0,07 | [0,06] 0,06 | [0,07] 0,07 | [0,06] 0,06 | [7] 7 | [6] 6 | [7] 7 | [6] 6 | [7] 7 | [6] 6 | [7] 7 | C | [0,1] 0,07 | [0,31] 0,37 | E | 20 |
| FENAMIPHOS | 22224-92-6 | [8,5] 8,5 | [94] 94 | [8,5] 8,5 | [94] 94 | [8,5] 8,5 | [94] 94 | [8,5] 8,5 | [94] 94 | [8,5] 8,5 | [94] 94 | [8,5] 8,5 | C | [8,5] 8,5 | [94] 94 | E | NA |
| FENVALERATE (PYDRIN) | 51630-58-1 | [9] 9 | [2,5] 2,5 | [900] 900 | [250] 250 | [900] 900 | [250] 250 | [900] 900 | [250] 250 | [900] 900 | [250] 250 | [900] 900 | C | [9] 9 | [2,5] 2,5 | E | 15 |
| FLUOMETURON | 2164-17-2 | [26] 26 | [3,200] 3,200 | [26] 26 | [3,200] 3,200 | [26] 26 | [3,200] 3,200 | [26] 26 | [3,200] 3,200 | [26] 26 | [3,200] 3,200 | [26] 26 | C | [26] 26 | [3,200] 3,200 | E | 10 |
| FLUORANTHENE | 206-44-0 | [150] 170 | [3,000] 3,400 | [190] 190 | [3,800] 3,800 | [190] 190 | [3,800] 3,800 | [190] 190 | [3,800] 3,800 | [190] 190 | [3,800] 3,800 | [190] 190 | C | [150] 170 | [3,000] 3,400 | E | 15 |
| FLUORENE | 86-73-7 | [200] 200 | [87] 87 | [200] 200 | [87] 87 | [10,000] 10,000 | [8,700] 8,700 | [10,000] 10,000 | [8,700] 8,700 | [10,000] 10,000 | [8,700] 8,700 | [10,000] 10,000 | C | [200] 200 | [87] 87 | E | NA |
| FLUOROTRICHLORO METHANE (FREON 11) | 75-69-4 | [1] 1 | [2,9] 2,9 | [100] 100 | [290] 290 | [100] 100 | [290] 290 | [100] 100 | [290] 290 | [100] 100 | [290] 290 | [100] 100 | C | [1] 1 | [2,9] 2,9 | E | NA |
| FONOFOS | 944-22-9 | [100] 100 | [12] 12 | [100] 100 | [12] 12 | [10,000] 10,000 | [1,200] 1,200 | [10,000] 10,000 | [1,200] 1,200 | [10,000] 10,000 | [1,200] 1,200 | [10,000] 10,000 | C | [100] 100 | [12] 12 | E | 20 |
| FORMALDEHYDE | 50-00-0 | [10,63] 0,063 | [0,071] 0,071 | [2,6] 0,26 | [0,31] 0,029 | [63] 6,3 | [7,1] 0,71 | [260] 26 | [29] 2,9 | [63] 6,3 | [7,1] 0,71 | [260] 26 | C | [10,63] 0,063 | [0,071] 0,071 | E | NA |
| FORMIC ACID | 64-18-6 | [11,000] 13,000 | [9,700] 12,000 | [31,000] 35,000 | [27,000] 31,000 | [190,000] 190,000 | [190,000] 190,000 | [190,000] 190,000 | [27,000] 31,000 | [190,000] 190,000 | [190,000] 190,000 | [190,000] 190,000 | C | [11,000] 13,000 | [9,700] 12,000 | E | NA |
| FOSETYL-AL | 39148-24-8 | [11,000] 13,000 | [9,700] 12,000 | [31,000] 35,000 | [27,000] 31,000 | [190,000] 190,000 | [190,000] 190,000 | [190,000] 190,000 | [27,000] 31,000 | [190,000] 190,000 | [190,000] 190,000 | [190,000] 190,000 | C | [11,000] 13,000 | [9,700] 12,000 | E | NA |
| FURAN | 110-00-9 | [3,7] 4,2 | [1,6] 1,8 | [10] 12 | [4,4] 5,2 | [370] 420 | [160] 180 | [1,000] 1,200 | [440] 520 | [370] 420 | [160] 180 | [1,000] 1,200 | C | [3,7] 4,2 | [1,6] 1,8 | E | NA |
| FURFURAL | 98-01-1 | [11] 11 | [1,4] 1,4 | [31] 35 | [3,9] 4,4 | [1,100] 7,000 | [140] 62,000 | [3,100] 7,000 | [390] 440 | [11] 70 | [1,4] 620 | [31] 35 | C | [11] 11 | [1,4] 1,4 | E | NA |
| GLYPHOSATE | 1071-83-6 | [70] 0,04 | [620] 0,68 | [70] 0,04 | [620] 0,68 | [7,000] 7,000 | [62,000] 62,000 | [7,000] 7,000 | [62,000] 62,000 | [7,000] 7,000 | [62,000] 62,000 | [7,000] 7,000 | C | [70] 0,04 | [620] 0,68 | E | 15 |
| HEPTACHLOR | 76-44-8 | [0,02] 0,1 | [1,1] 0,96 | [0,02] 0,1 | [1,1] 0,96 | [2] 0,6 | [110] 5,8 | [2] 0,6 | [110] 5,8 | [2] 0,6 | [110] 5,8 | [2] 0,6 | C | [0,02] 0,1 | [1,1] 0,96 | E | 15 |
| HEPTACHLOR EPOXIDE | 1024-57-3 | [0,02] 0,1 | [1,1] 0,96 | [0,02] 0,1 | [1,1] 0,96 | [2] 0,6 | [110] 5,8 | [2] 0,6 | [110] 5,8 | [2] 0,6 | [110] 5,8 | [2] 0,6 | C | [0,02] 0,1 | [1,1] 0,96 | E | 15 |
| HEXACHLOROBENZENE | 118-74-1 | [0,9] 0,94 | [10] 11 | [3,3] 4,4 | [39] 52 | [85] 94 | [1,000] 1,100 | [3,400] 3,400 | [10] 11 | [85] 94 | [1,000] 1,100 | [3,400] 3,400 | C | [0,9] 0,94 | [10] 11 | E | 15 |
| HEXACHLOROBUTADIENE | 87-68-3 | [0,9] 0,94 | [10] 11 | [3,3] 4,4 | [39] 52 | [85] 94 | [1,000] 1,100 | [3,400] 3,400 | [10] 11 | [85] 94 | [1,000] 1,100 | [3,400] 3,400 | C | [0,9] 0,94 | [10] 11 | E | 15 |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
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HAA5 – The values listed for haloacetic acids (HAA5) are the total for all HAA5 combined.

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| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Soil Buffer Distance (feet) | |
|--------------------------------|------------|------------------|---------------------|--------------------|------------------|----------------------|------------------|--------------|--------------------|--------------------|------------------|--------------------|------------------|-----------------------------|----|
| | | TDS ≤ 2,500 | | | | | | TDS > 2,500 | | | | | | | |
| | | Residential | | | Non-Residential | | | Residential | | | Non-Residential | | | | |
| | | 100 X MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X MSC | Generic Value | | |
| HEXACHLOROCYCLO PENTADIENE | 77-47-4 | 5 | 91 E | E | 180 | 3,300 E | 180 | 3,300 E | 180 | 3,300 E | 180 | 3,300 E | 180 | 3,300 E | 15 |
| HEXACHLOROETHANE | 67-72-1 | 0.1 | 0.56 E | E | 10 | 56 E | E | 10 | 56 E | E | 10 | 56 E | E | 15 | |
| HEXANE | 110-54-3 | 150 | 1,400 E | E | 950 | 8,700 E | E | 950 | 8,700 E | E | 150 | 1,400 E | E | 5,600 E | 15 |
| HEXAZINONE | 51235-04-2 | 40 | 8.5 E | E | 40 | 8.5 E | E | 4,000 | 850 E | E | 40 | 8.5 E | E | 8.5 E | NA |
| HEXYTHIAZOX (SAVEY) | 78587-05-0 | 50 | 820 E | E | 50 | 820 E | E | 50 | 820 E | E | 50 | 820 E | E | 820 E | 15 |
| HMX | 2691-41-0 | 40 | 4.8 E | E | 40 | 4.8 E | E | 500 | 60 E | E | 40 | 4.8 E | E | 4.8 E | NA |
| HYDRAZINE/HYDRAZINE SULFATE | 302-01-2 | 0.001 | 0.00011 E | E | 0.0051 | 0.00057 E | E | 0.1 | 0.011 E | E | 0.51 | 0.057 E | E | 0.051 | NA |
| HYDROQUINONE | 123-31-9 | 1.2 | 0.16 E | E | 14.61 | 0.62 E | E | 120 | 16 E | E | 14601 | 62 E | E | 160 E | NA |
| INDENO[1,2,3-CD]PYRENE | 193-39-5 | 0.0291 0.031 | 12,200 E 2,400 E | E | 0.36 0.47 | 28,000 E 36,000 E | E | 2.91 3.1 | 190,000 C | C | 6.2 | 190,000 C | C | 6.2 | 5 |
| IPRODIONE | 36734-19-7 | 170 | 1430 E | E | 1410 | 11,200 E | E | 1,300 | 3,700 E | E | 1,300 | 3,700 E | E | 1,200 E | 20 |
| ISOBUTYL ALCOHOL | 78-83-1 | 1,200 | 1,100 E | E | 3,100 | 810 E | E | 10,000 | 10,000 C | C | 10,000 | 10,000 C | C | 10,000 C | NA |
| ISOPHORONE | 78-59-1 | 10 | 1.9 E | E | 10 | 1.9 E | E | 1,000 | 190 E | E | 1,000 | 190 E | E | 1,900 E | NA |
| ISOPROPYL METHYLPHOSPHONATE | 1832-54-8 | 70 | 8.1 E | E | 70 | 8.1 E | E | 7,000 | 810 E | E | 7,000 | 810 E | E | 8.1 E | NA |
| KEPONE | 143-50-0 | 0.0041 0.0073 | 0.56 E 1 E | E | 0.016 0.034 | 2.2 E 4.7 E | E | 0.41 0.73 | 56 E 100 E | E | 1.6 3.4 | 220 E 470 E | E | 16 E 34 E | 10 |
| MALATHION | 121-75-5 | 50 | 170 E | E | 50 | 170 E | E | 5,000 | 10,000 C | C | 5,000 | 10,000 C | C | 10,000 C | 20 |
| MALEIC HYDRAZIDE | 123-33-1 | 400 | 47 E | E | 400 | 47 E | E | 40,000 | 4,700 E | E | 40,000 | 4,700 E | E | 47 E | NA |
| MANEB | 12427-38-2 | 181 | 2 E | E | 511 | 5.8 E | E | 2,100 | 240 E | E | 2,300 | 260 E | E | 2 E | NA |
| MERPHOS OXIDE | 78-48-8 | 0.11 0.13 | 15 E 17 E | E | 0.31 0.35 | 41 E 46 E | E | 11 13 | 1,500 E 1,700 E | E | 31 35 | 4,100 E 4,600 E | E | 31 35 | 10 |
| METHACRYLONITRILE | 126-98-7 | 0.15 0.42 | 0.025 E 0.069 E | E | 0.62 1.2 | 0.11 E 0.2 E | E | 15 42 | 2.5 E 6.9 E | E | 62 120 | 110 E 20 E | E | 0.25 E 0.069 E | NA |
| METHAMIDOPHOS | 10265-92-6 | 0.181 0.21 | 0.022 E 0.026 E | E | 0.51 0.58 | 0.063 E 0.072 E | E | 181 21 | 2.2 E 2.6 E | E | 511 58 | 6.3 E 7.2 E | E | 0.51 E 0.58 E | NA |
| METHANOL | 67-56-1 | 840 | 991 E | E | 3,500 | 1410 E | E | 10,000 | 9,900 E | E | 10,000 | 10,000 C | C | 10,000 C | NA |
| METHOMYL | 16752-77-5 | 4,200 | 500 E | E | 10,000 | 2,100 E | E | 2,000 | 320 E | E | 2,000 | 320 E | E | 3.2 E | NA |
| METHOXYCHLOR | 72-43-5 | 4 | 630 E | E | 4 | 630 E | E | 4.5 | 710 E | E | 4.5 | 710 E | E | 4.5 E | 10 |

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 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
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B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Soil Buffer Distance (feet) | | | | | | | | | |
|--|----------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|-----------------------------|---------------|----------|-------------|-------------|----------|-------------|-------------|----------|----|
| | | TDS ≤ 2500 | | | | | | TDS > 2500 | | | | | | | | | | | | | | | |
| | | Residential | | | Non-Residential | | | Residential | | | Non-Residential | | | | | | | | | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | | | | | | | | |
| METHOXYETHANOL, 2- | 109-86-4 | 4.2 | 0.47 | E | 18 | 2 | E | 420 | 10,000 | C | 47 | E | 1,800 | 200 | E | 4.2 | 0.47 | E | 18 | 2 | E | NA | |
| METHYL ACETATE | 79-20-9 | [3,700] | [690] | E | 10,000 | [1,900] | 2,200 | 780 | 780 | 780 | [3,700] | [690] | E | 10,000 | [1,900] | E | 10,000 | [1,900] | E | 10,000 | [1,900] | E | NA |
| METHYL ACRYLATE | 96-33-3 | [110] | [27] | E | [310] | [77] | E | [10,000] | [100] | E | [2,700] | E | [10,000] | [7,700] | E | [10,000] | [2,700] | E | [10,000] | [7,700] | E | NA | |
| METHYL CHLORIDE | 74-87-3 | 3 | 0.38 | E | 3 | 0.38 | E | 300 | 38 | E | 300 | 38 | E | 300 | 38 | E | 300 | 38 | E | 300 | 38 | E | NA |
| METHYL ETHYL KETONE | 78-93-3 | 400 | 76 | E | 400 | 76 | E | 10,000 | 7,600 | E | 10,000 | 7,600 | E | 10,000 | 7,600 | E | 10,000 | 7,600 | E | 10,000 | 7,600 | [C] | NA |
| METHYL HYDRAZINE | 60-34-4 | 0.0042 | 0.00048 | E | 0.018 | 0.002 | E | 0.42 | 0.048 | E | 1.8 | 0.2 | E | 0.042 | 0.0048 | E | 0.18 | 0.02 | E | 0.18 | 0.02 | E | NA |
| METHYL ISOBUTYL KETONE | 108-10-1 | [290] | [45] | E | [820] | [130] | E | 10,000 | [4,500] | E | 10,000 | 10,000 | C | 10,000 | 10,000 | C | 10,000 | [4,500] | E | 10,000 | 10,000 | C | NA |
| METHYL ISOCYANATE | 624-83-9 | 0.21 | 0.029 | E | 0.88 | 0.12 | E | 21 | 2.9 | E | 88 | 12 | E | 0.21 | 0.029 | E | 0.88 | 0.12 | E | 0.88 | 0.12 | E | NA |
| METHYL N-BUTYL KETONE (2-HEXANONE) | 591-78-6 | [1.1] | [0.27] | E | [4.4] | [1.1] | E | [110] | [27] | E | [4.4] | [110] | E | [1.1] | [0.27] | E | [4.4] | [1.1] | E | [4.4] | [1.1] | E | NA |
| METHYL METHACRYLATE | 80-62-6 | 150 | 20 | E | 620 | 84 | E | 10,000 | 2,000 | E | 10,000 | 2,000 | E | 10,000 | 2,000 | E | 10,000 | 2,000 | E | 10,000 | 2,000 | E | NA |
| METHYL METHANESULFONATE | 66-27-3 | [0.67] | [0.083] | E | [2.6] | [0.32] | E | [67] | [8.3] | E | [2.6] | [32] | E | [0.67] | [0.083] | E | [2.6] | [0.32] | E | [2.6] | [0.32] | E | NA |
| METHYL PARATHION | 298-00-0 | 0.1 | 0.21 | E | 0.1 | 0.21 | E | 10 | 21 | E | 10 | 21 | E | 10 | 21 | E | 10 | 21 | E | 10 | 21 | E | 30 |
| METHYL STYRENE (MIXED ISOMERS) | 25013-15-4 | 8.4 | 47 | E | 35 | 200 | E | 840 | 4,700 | E | 3,500 | 10,000 | C | 8.4 | 47 | E | 35 | 200 | E | 35 | 200 | E | 15 |
| METHYL TERT-BUTYL ETHER (MTBE) | 1634-04-4 | 2 | 0.28 | E | 2 | 0.28 | E | 200 | 28 | E | 200 | 28 | E | 200 | 28 | E | 200 | 28 | E | 200 | 28 | E | NA |
| METHYLCHLOROPHENOXY ACETIC ACID (MCPA) | 94-74-6 | 3 | 1.2 | E | 3 | 1.2 | E | 300 | 120 | E | 300 | 120 | E | 300 | 120 | E | 300 | 120 | E | 300 | 120 | E | NA |
| METHYLENE BIS(2-CHLOROANILINE), 4,4'- | 101-14-4 | [0.22] | [1.7] | E | [2.6] | [20] | E | [22] | [170] | E | [2.6] | [20] | E | [0.22] | [1.7] | E | [2.6] | [20] | E | [2.6] | [20] | E | 15 |
| METHYLNAPHTHALENE, 2- | 91-57-6 | [15] | [600] | E | [41] | [1,600] | E | [1,500] | [60,000] | E | [60,000] | 100,000 | E | [15] | [600] | E | [41] | [1,600] | E | [41] | [1,600] | E | 15 |
| METHYLSTYRENE; ALPHA | 98-83-9 | [260] | [460] | E | [720] | [1,300] | E | 10,000 | 10,000 | C | 10,000 | 10,000 | C | [260] | [460] | E | [720] | [1,300] | E | [720] | [1,300] | E | 30 |
| METOLACHLOR | 51218-45-2 | 70 | 40 | E | 70 | 40 | E | 7,000 | 4,000 | E | 7,000 | 4,000 | E | 70 | 40 | E | 70 | 40 | E | 70 | 40 | E | NA |
| METRIBUZIN | 21087-64-9 | 7 | 2.4 | E | 7 | 2.4 | E | 700 | 240 | E | 700 | 240 | E | 7 | 2.4 | E | 7 | 2.4 | E | 7 | 2.4 | E | NA |
| MONOCHLOROACETIC ACID (HAA) | 79-11-8 | [7] | [0.78] | E | [7] | [0.78] | E | [700] | [78] | E | [700] | [78] | E | [7] | [0.78] | E | [7] | [0.78] | E | [7] | [0.78] | E | NA |
| NAPHTHALENE | 91-20-3 | 10 | 2.5 | E | 10 | 2.5 | E | 1,000 | 250 | E | 1,000 | 250 | E | 10 | 2.5 | E | 10 | 2.5 | E | 10 | 2.5 | E | 30 |
| NAPHTHYLAMINE, 1- | 134-32-7 | [0.037] | [0.3] | E | [0.14] | [1.1] | E | [3.7] | [30] | E | [3.7] | [30] | E | [0.037] | [0.3] | E | [0.14] | [1.1] | E | [3.7] | [30] | E | 15 |
| | | 0.041 | 0.33 | | 0.19 | 1.5 | | 4.1 | 33 | | 4.1 | 33 | | 0.19 | 1.5 | | 19 | 150 | | 41 | 330 | | |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAAs – The values listed for haloacetic acids (HAAAs) are the total for all HAAAs combined.

APPENDIX A
 TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Soil Buffer Distance (feet) | | | | | |
|-----------------------------|------------|---------------------|----------------------|--------------------|-------------------|--------------------|------------------|--------------------|-------------------|--------------------|-------------------|--------------------|------------------|-----------------------------|-------------------|--------|--------------------|--------------------|--------|
| | | TDS ≤ 2500 | | | | | | TDS > 2500 | | | | | | | | | | | |
| | | Residential | | | Non-Residential | | | Residential | | | Non-Residential | | | | | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | | | | |
| NAPHTHYLAMINE, 2- | 91-59-8 | [0.037] 0.041 | [0.012] 0.013 | E E | [0.14] 0.19 | [0.046] 0.062 | E E | [3.7] 4.1 | [1.2] 1.3 | E E | [14] 19 | [4.6] 6.2 | E E | [37] 41 | [12] 13 | E E | [140] 190 | [46] 62 | E E |
| NAPROPAMIDE | 15299-99-7 | [370] 420 | [860] 970 | E E | [1,000] 1,200 | [2,300] 2,800 | E E | 7,000 7,000 | 16,000 16,000 | E E | 7,000 7,000 | 16,000 16,000 | E E | [370] 420 | [860] 970 | E E | [1,000] 1,200 | [2,300] 2,800 | E E |
| NITROANILINE, M- | 99-09-2 | [1.1] 1.3 | [0.17] 0.2 | E E | [3.1] 3.5 | [0.48] 0.55 | E E | [110] 130 | [17] 20 | E E | [310] 350 | [48] 55 | E E | [1.1] 1.3 | [0.17] 0.2 | E E | [3.1] 3.5 | [0.48] 0.55 | E E |
| NITROANILINE, O- | 88-74-4 | [11] 42 | [2] 8 | E E | [31] 120 | [5.5] 21 | E E | [1,100] 4,200 | [200] 750 | E E | [3,100] 12,000 | [550] 2,100 | E E | [11] 42 | [2] 8 | E E | [31] 120 | [5.5] 21 | E E |
| NITROANILINE, P- | 100-01-6 | [3.3] 3.7 | [0.49] 0.55 | E E | [13] 17 | [1.9] 2.5 | E E | [330] 370 | [49] 55 | E E | [1,300] 1,700 | [190] 250 | E E | [3.3] 3.7 | [0.49] 0.55 | E E | [13] 17 | [1.9] 2.5 | E E |
| NITROBENZENE | 98-95-3 | [7.3] 8.3 | [3.2] 3.6 | E E | [20] 23 | [8.7] 10 | E E | [730] 830 | [320] 360 | E E | [2,000] 2,300 | [870] 1,000 | E E | [7.3] 8.3 | [3.2] 3.6 | E E | [20,000] 23,000 | [8,700] 10,000 | E C |
| NITROGUANIDINE | 556-88-7 | 70 | 7.8 | E | 70 | 7.8 | E | 7,000 | 780 | E | 7,000 | 780 | E | 70 | 7.8 | E | 70 | 7.8 | E |
| NITROPHENOL, 2- | 88-75-5 | [29] 33 | [5.9] 6.7 | E E | [82] 93 | [17] 19 | E E | [2,900] 3,300 | [590] 670 | E E | [8,200] 9,300 | [1,700] 1,900 | E E | [29] 33 | [5.9] 6.7 | E E | [29,000] 33,000 | [17,000] 19,000 | E E |
| NITROPHENOL, 4- | 100-02-7 | 6 | 4.1 | E | 6 | 4.1 | E | 600 | 410 | E | 600 | 410 | E | 6 | 4.1 | E | 6,000 | 4,100 | E |
| NITROPROPANE, 2- | 79-46-9 | 0.0018 | 0.0029 | E | 0.0093 | 0.0015 | E | 0.18 | 0.029 | E | 0.93 | 0.15 | E | 0.018 | 0.0029 | E | 0.093 | 0.015 | E |
| NITROSODIETHYLAMINE, N- | 55-18-5 | 0.00045 | 0.000079 | E | 0.00058 | 0.0001 | E | 0.0045 | 0.0008 | E | 0.058 | 0.01 | E | 0.00045 | 0.00008 | E | 0.00058 | 0.0001 | E |
| NITROSODIMETHYLAMINE, N- | 62-75-9 | 0.00014 | 0.000019 | E | 0.00018 | 0.000024 | E | 0.014 | 0.0019 | E | 0.18 | 0.024 | E | 0.00014 | 0.000019 | E | 0.00018 | 0.000024 | E |
| NITROSO-DI-N-BUTYLAMINE, N- | 924-16-3 | [0.012] 0.014 | [0.015] 0.017 | E E | [0.048] 0.063 | [0.059] 0.078 | E E | [1.2] 1.4 | [1.5] 1.7 | E E | [4.8] 6.3 | [5.9] 7.8 | E E | [1.2] 1.4 | [1.5] 1.7 | E E | [4.8] 6.3 | [5.9] 7.8 | E E |
| NITROSODI-N-PROPYLAMINE, N- | 621-64-7 | [0.0094] 0.01 | [0.0013] 0.0014 | E E | [0.037] 0.049 | [0.0051] 0.0068 | E E | [0.94] 1 | [0.13] 0.14 | E E | [3.7] 4.9 | [0.51] 0.68 | E E | [9.4] 10 | [1.3] 1.4 | E E | [37] 49 | [5.1] 6.8 | E E |
| NITROSODIPHENYLAMINE, N- | 86-30-6 | [13] 15 | [20] 23 | E E | [53] 69 | [83] 110 | E E | [1,300] 1,500 | [2,000] 2,300 | E E | 3,500 3,500 | 5,500 5,500 | E E | [13] 15 | [20] 23 | E E | 3,500 3,500 | 5,500 5,500 | E E |
| NITROSO-N-ETHYLUREA, N- | 759-73-9 | [0.0008] 0.00084 | [0.00092] 0.00097 | E E | [0.0096] 0.013 | [0.011] 0.0015 | E E | 0.08 0.0097 | [0.092] 0.0097 | E E | [0.96] 1.3 | [0.11] 0.15 | E E | 0.8 0.097 | [0.092] 0.0097 | E E | [9.6] 13 | [1.1] 1.5 | E E |
| OCTYL PHTHALATE, Di-N- | 117-84-0 | [150] 42 | 10,000 C | C | [300] 120 | 10,000 C | C | 300 | 10,000 C | C | 300 | 10,000 C | C | [150] 42 | 10,000 C | C | 300 | 10,000 C | C |
| OXAMYL (VYDATE) | 23135-22-0 | 20 | 2.6 | E | 20 | 2.6 | E | 2,000 | 260 | E | 2,000 | 260 | E | 20 | 2.6 | E | 20 | 2.6 | E |
| PARAQUAT | 1910-42-5 | 3 | 120 | E | 3 | 120 | E | 300 | 12,000 | E | 300 | 12,000 | E | 3 | 120 | E | 3 | 120 | E |
| PARATHION | 56-38-2 | [22] 25 | [130] 150 | E E | [61] 70 | [360] 410 | E E | 2,000 2,000 | 10,000 10,000 | C C | 2,000 2,000 | 10,000 10,000 | C C | [22] 25 | [130] 150 | E E | [61] 70 | [360] 410 | E E |
| PCB-1016 (AROCLOR) | 12674-11-2 | [0.26] 0.29 | [72] 80 | E E | [0.72] 0.82 | [200] 230 | E E | 25 25 | 6,900 6,900 | E E | 25 25 | 6,900 6,900 | E E | [0.26] 0.29 | [72] 80 | E E | [0.72] 0.82 | [200] 230 | E E |
| PCB-1221 (AROCLOR) | 11104-28-2 | [0.033] 0.037 | [0.16] 0.18 | E E | [0.13] 0.17 | [0.63] 0.83 | E E | [3.3] 3.7 | [16] 18 | E E | [13] 17 | [63] 83 | E E | [0.033] 0.037 | [0.16] 0.18 | E E | [0.13] 0.17 | [0.63] 0.83 | E E |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

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 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Non-Use Aquifers | | | | Soil Buffer Distance (feet) | | |
|--------------------------|------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|-----------------------------|---|-----|
| | | TDS ≤ 2500 | | | | | | TDS > 2500 | | | | | | Residential | | Non-Residential | | | | |
| | | Residential | | Non-Residential | | Residential | | Non-Residential | | Residential | | Non-Residential | | Residential | | Non-Residential | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | |
| PCB-1232 (AROCOLOR) | 11141-16-5 | [0.033] | [0.13] | E | [0.13] | [0.5] | E | [3.3] | [13] | E | [13] | [50] | E | [0.033] | [0.13] | E | [0.13] | [0.5] | E | 20 |
| | | 0.037 | 0.14 | | 3.7 | 14 | | 17 | 66 | | 17 | 66 | | 0.037 | 0.14 | | 0.17 | 0.7 | | 0.7 |
| PCB-1242 (AROCOLOR) | 53469-21-9 | [0.033] | [0.13] | E | [0.13] | [16] | E | [3.3] | [400] | E | [400] | [1,200] | E | [0.033] | [0.13] | E | [0.13] | [16] | E | 10 |
| | | 0.037 | 4 | | 20 | 440 | | 3.7 | 440 | | 3.7 | 1,800 | | 0.037 | 4 | | 0.17 | 20 | | 20 |
| PCB-1248 (AROCOLOR) | 12672-29-6 | [0.033] | [0.13] | E | [0.13] | [62] | E | [3.3] | [1,600] | E | [1,600] | [2,600] | E | [0.033] | [0.13] | E | [0.13] | [62] | E | 10 |
| | | 0.037 | 18 | | 81 | 1,800 | | 3.7 | 1,800 | | 3.7 | 7,500 | | 0.037 | 18 | | 0.17 | 81 | | 81 |
| PCB-1254 (AROCOLOR) | 11097-69-1 | [0.033] | [0.13] | E | [0.13] | [260] | E | [3.3] | [6,700] | E | [6,700] | [10,000] | C | [0.033] | [0.13] | E | [0.13] | [260] | E | 5 |
| | | 0.037 | 75 | | 340 | 7,500 | | 3.7 | 7,500 | | 3.7 | 36,000 | | 0.037 | 75 | | 0.17 | 340 | | 340 |
| PCB-1260 (AROCOLOR) | 11096-82-5 | [0.033] | [0.13] | E | [0.13] | [590] | E | [3.3] | [15,000] | E | [15,000] | [36,000] | E | [0.033] | [0.13] | E | [0.13] | [590] | E | 5 |
| | | 0.037 | 170 | | 770 | 17,000 | | 3.7 | 17,000 | | 3.7 | 170,000 | | 0.037 | 170 | | 0.17 | 770 | | 770 |
| PEBULATE | 1114-71-2 | [180] | [300] | E | [510] | [860] | E | 9,200 | 10,000 | C | 9,200 | 10,000 | C | [180] | [300] | E | [180] | [300] | E | 30 |
| | | 210 | 350 | | 580 | 980 | | 74 | 5,900 | E | 74 | 5,900 | E | 210 | 350 | | 580 | 980 | | 980 |
| PENTACHLOROBENZENE | 608-93-5 | [2.9] | [230] | E | [8.2] | [660] | E | 74 | 5,900 | E | 74 | 5,900 | E | [2.9] | [230] | E | [2.9] | [230] | E | 10 |
| | | 3.3 | 260 | | 9.3 | 750 | | 74 | 5,900 | E | 74 | 5,900 | E | 3.3 | 260 | | 9.3 | 750 | | 750 |
| PENTACHLOROETHANE | 76-01-7 | [0.73] | [3.6] | E | [2.9] | [14] | E | [73] | [360] | E | [290] | [1,400] | E | [0.73] | [3.6] | E | [0.73] | [3.6] | E | 20 |
| | | 0.81 | 3.9 | | 3.8 | 19 | | 81 | 390 | | 73 | 1,900 | | 0.81 | 3.9 | | 3.8 | 19 | | 19 |
| PENTACHLORO NITROBENZENE | 82-68-8 | [0.25] | [5] | E | 1 | [20] | E | [25] | [500] | E | 44 | 870 | E | [0.25] | [5] | E | [25] | [500] | E | 15 |
| | | 0.28 | 6 | | 26 | 26 | | 28 | 560 | | 28 | 560 | | 0.28 | 6 | | 26 | 26 | | 26 |
| PENTACHLOROPHENOL | 87-86-5 | 0.1 | 5 | E | 0.1 | 5 | E | 10 | 500 | E | 10 | 500 | E | 0.1 | 5 | E | 10 | 500 | E | 10 |
| | | [30] | [12] | E | [120] | [46] | E | [3,000] | [1,200] | E | [12,000] | [4,600] | E | [30] | [12] | E | [120] | [46] | E | NA |
| PHENACETIN | 62-44-2 | 33 | 13 | | 150 | 58 | | 3,300 | 1,300 | | 15,000 | 5,800 | | [30,000] | [12,000] | E | [30,000] | [12,000] | E | NA |
| | | 110 | 10,000 | E | 110 | 10,000 | E | 110 | 10,000 | E | 110 | 10,000 | E | 110 | 10,000 | E | 110 | 10,000 | E | 10 |
| PHENANTHRENE | 85-01-8 | 200 | 33 | E | 200 | 33 | E | 20,000 | 3,300 | E | 20,000 | 3,300 | E | 20,000 | 3,300 | E | 20,000 | 3,300 | E | 10 |
| | | 4,200 | 6,400 | | 12 | 18 | | 420 | 640 | | 4,200 | 6,400 | | 4,200 | 6,400 | | 4,200 | 6,400 | | 10 |
| PHENYL MERCAPTAN | 108-98-5 | [0.037] | [0.056] | E | [0.1] | [0.15] | E | [3.7] | [5.6] | E | [10] | [15] | E | [0.037] | [0.056] | E | [0.1] | [0.15] | E | 30 |
| | | 4,200 | 6,400 | | 12 | 18 | | 420 | 640 | | 4,200 | 6,400 | | 4,200 | 6,400 | | 4,200 | 6,400 | | 30 |
| PHENYLENEDIAMINE, M- | 108-45-2 | [22] | [3.1] | E | [61] | [8.6] | E | [2,200] | [310] | E | [16,100] | [860] | E | [22] | [3.1] | E | [61] | [8.6] | E | NA |
| | | 25 | 3.5 | | 70 | 9.9 | | 2,500 | 350 | | 16,100 | 860 | | 25 | 3.5 | | 70 | 9.9 | | NA |
| PHENYLPHENOL, 2- | 90-43-7 | [35] | [500] | E | [140] | [2,000] | E | [3,500] | [50,000] | E | [14,000] | [190,000] | E | [35] | [500] | E | [140] | [2,000] | E | 15 |
| | | 38 | 550 | | 180 | 2,600 | | 3,800 | 55,000 | | 14,000 | 190,000 | | 38 | 550 | | 180 | 2,600 | | 15 |
| PHOSPHATE | 298-02-2 | [0.73] | [1.6] | E | 2 | [4.3] | E | [200] | [160] | E | [200] | [430] | E | [0.73] | [1.6] | E | [200] | [160] | E | 30 |
| | | 0.83 | 1.8 | | 4.9 | 4.9 | | 230 | 180 | | 230 | 490 | | 0.83 | 1.8 | | 4.9 | 4.9 | | 30 |
| PHTHALIC ANHYDRIDE | 85-44-9 | [7,300] | [2,300] | E | [20,000] | [6,200] | E | 190,000 | 190,000 | C | 190,000 | 190,000 | C | [7,300] | [2,300] | E | [20,000] | [6,200] | E | NA |
| | | 8,300 | 2,600 | | 23,000 | 7,100 | | 190,000 | 190,000 | | 190,000 | 190,000 | | 8,300 | 2,600 | | 23,000 | 7,100 | | NA |
| PICLORAM | 1918-02-1 | 50 | 7.4 | E | 50 | 7.4 | E | 5,000 | 740 | E | 5,000 | 740 | E | 50 | 7.4 | E | 5,000 | 740 | E | NA |
| | | 40 | 39 | E | 40 | 39 | E | 4,000 | 3,900 | E | 4,000 | 3,900 | E | 40 | 39 | E | 4,000 | 3,900 | E | NA |
| PROMETON | 1610-18-0 | [270] | [170] | E | [770] | [470] | E | 1,500 | 920 | E | 1,500 | 920 | E | [270] | [170] | E | [770] | [470] | E | NA |
| | | 310 | 190 | | 880 | 540 | | 1,500 | 920 | | 1,500 | 920 | | 310 | 190 | | 880 | 540 | | NA |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAA5 – The values listed for haloacetic acids (HAA5) are the total for all HAA5 combined.

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| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Soil Buffer Distance (feet) | | |
|--|------------|------------------|------------------|--------------------|------------------|------------------|---------------|----------------|------------------|------------------|------------------|--------------------|------------------|-----------------------------|----|----|
| | | TDS ≤ 2500 | | | | | | TDS > 2500 | | | | | | | | |
| | | Residential | | | Non-Residential | | | Residential | | | Non-Residential | | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | |
| PROPANIL | 709-98-8 | [18] 21 | [9.2] 11 | [51] 58 | 1,100 | [1,800] 2,100 | [26] 30 | [920] 1,100 | [1,800] 2,100 | [18] 21 | [9.2] 11 | [51] 58 | 1,100 | [26] 30 | E | NA |
| PROPANOL, 2- (ISOPROPYL ALCOHOL) | 67-63-0 | 1,500 | 260 | 6,200 | 1,100 | 10,000 | 10,000 | 10,000 | 10,000 | 1,500 | 260 | 6,200 | 1,100 | 1,100 | E | NA |
| PROPANINE | 139-40-2 | 1 | 0.5 | 1 | 0.5 | 100 | 50 | 100 | 50 | 1 | 0.5 | 1 | 0.5 | 1 | E | NA |
| PROPHAM | 122-42-9 | 10 | 2.4 | 10 | 2.4 | 1,000 | 240 | 1,000 | 240 | 10 | 2.4 | 10 | 2.4 | 10 | E | NA |
| PROPYLBENZENE, N- | 103-65-1 | [150] 210 | [290] 400 | [410] 880 | 9,900 | 5,200 | 9,900 | 9,900 | 9,900 | [150] 210 | [290] 400 | [410] 880 | 9,900 | [780] 1,700 | E | 30 |
| PROPYLENE OXIDE | 75-56-9 | [0.28] 0.3 | [0.049] 0.052 | [1.1] 1.4 | [0.19] 0.24 | [110] 140 | [19] 24 | [4.9] 5.2 | [110] 140 | [0.28] 0.3 | [0.049] 0.052 | [1.1] 1.4 | [0.19] 0.24 | E | NA | |
| PYRENE | 129-00-0 | 13 | 2,200 | 13 | 2,200 | 13 | 2,200 | 13 | 2,200 | 13 | 2,200 | 13 | 2,200 | 13 | E | 10 |
| PYRIDINE | 110-86-1 | [3.7] 4.2 | [0.41] 0.47 | [10] 12 | [1.1] 1.3 | [370] 420 | [41] 47 | [41] 47 | [110] 130 | [37] 42 | [4.1] 4.7 | [10] 12 | [1.1] 1.3 | [11] 13 | E | NA |
| QUINOLINE | 91-22-5 | [0.022] 0.024 | [0.074] 0.081 | [0.087] 0.11 | [0.29] 0.37 | [2.2] 2.4 | [7.4] 8.1 | [7.4] 8.1 | [29] 37 | [22] 24 | [7.4] 8.1 | [8.7] 11 | [29] 37 | [290] 370 | E | 20 |
| QUIZALOFOP (ASSURE) | 76578-14-8 | 30 | 47 | 30 | 47 | 30 | 47 | 30 | 47 | 30 | 47 | 30 | 47 | 30 | E | 30 |
| RDX | 121-82-4 | 0.2 | 0.057 | 0.2 | 0.057 | 20 | 5.7 | 20 | 5.7 | 0.2 | 0.057 | 0.2 | 0.057 | 0.2 | E | NA |
| RESORCINOL | 108-46-3 | [7,300] 8,300 | [850] 970 | [20,000] 23,000 | [2,300] 2,700 | 190,000 | 185,000 | 190,000 | 190,000 | [7,300] 8,300 | [850] 970 | [20,000] 23,000 | [2,300] 2,700 | [2,300] 2,700 | E | NA |
| RONNEL | 299-84-3 | [180] 210 | [280] 330 | [510] 580 | [800] 910 | 4,000 | 6,200 | 4,000 | 6,200 | [180] 210 | [280] 330 | [510] 580 | [800] 910 | E | 30 | |
| SMAZINE | 122-34-9 | 0.4 | 0.15 | 0.4 | 0.15 | 40 | 15 | 40 | 15 | 0.4 | 0.15 | 0.4 | 0.15 | 0.4 | E | NA |
| STRYCHNINE | 57-24-9 | [1.1] 1.3 | [0.89] 1.1 | [3.1] 3.5 | [2.5] 2.8 | [110] 130 | [89] 110 | [89] 110 | [250] 280 | [1,100] 1,300 | [890] 1,100 | [3,100] 3,500 | [2,500] 2,800 | E | NA | |
| STYRENE | 100-42-5 | 10 | 24 | 10 | 24 | 1,000 | 2,400 | 1,000 | 2,400 | 1,000 | 2,400 | 1,000 | 2,400 | 1,000 | E | 30 |
| TEBUTHIURON | 34014-18-1 | 50 | 83 | 50 | 83 | 5,000 | 8,300 | 5,000 | 8,300 | 50 | 83 | 50 | 83 | 50 | E | 30 |
| TERBACIL | 5902-51-2 | 9 | 2.2 | 9 | 2.2 | 900 | 220 | 900 | 220 | 9 | 2.2 | 9 | 2.2 | 9 | E | NA |
| TERBUFOS | 13071-79-9 | 0.04 | 0.055 | 0.04 | 0.055 | 4 | 5.5 | 4 | 5.5 | 0.04 | 0.055 | 0.04 | 0.055 | 0.04 | E | 30 |
| TETRACHLOROBENZENE, 1,2,4,5- | 95-94-3 | [1.1] 1.3 | [5.1] 6 | [3.1] 3.5 | [14] 16 | 58 | 270 | 58 | 270 | 58 | 270 | 58 | 270 | 58 | E | 20 |
| TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD) | 1746-01-6 | 0.000003 | 0.032 | 0.000003 | 0.032 | 0.0003 | 3.2 | 0.0003 | 3.2 | 0.0003 | 3.2 | 0.0003 | 3.2 | 0.0019 | E | 5 |
| TETRACHLOROETHANE, 1,1,1,2- | 630-20-6 | 7 | 18 | 7 | 18 | 700 | 1,800 | 700 | 1,800 | 700 | 1,800 | 700 | 1,800 | 700 | E | 30 |
| TETRACHLOROETHANE, 1,1,2,2- | 79-34-5 | 0.08 | 0.026 | 0.08 | 0.026 | 8 | 2.6 | 8 | 2.6 | 8 | 2.6 | 8 | 2.6 | 8 | E | NA |
| TETRACHLOROETHYLENE (PCE) | 127-18-4 | 0.5 | 0.43 | 0.5 | 0.43 | 50 | 43 | 50 | 43 | 5 | 4.3 | 5 | 4.3 | 5 | E | NA |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAA5 – The values listed for haloacetic acids (HAA5) are the total for all HAA5 combined.

APPENDIX A
TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | | | | | | | Non-Use Aquifers | | | | Soil Buffer Distance (feet) | | | | | |
|--|------------|----------------------|--------------------|--------------------|-------------------|--------------------|----------------------|--------------------|------------------|--------------------|------------------|----------------------|------------------|--------------------|--------------------|--------------------|------------------|-----------------------------|--------------------|----------|---------|---|----|
| | | TDS ≤ 2500 | | | | | | TDS > 2500 | | | | | | Residential | | Non-Residential | | | | | | | |
| | | Residential | | Non-Residential | | Residential | | Non-Residential | | Residential | | Non-Residential | | Residential | | Non-Residential | | | | | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | | | | |
| TETRACHLOROPHENOL, 2,3,4,6- | 58-90-2 | [110] 130 | [1,700] 2,000 | [310] 350 | [14,800] 5,500 | [11,000] 13,000 | [170,000] 190,000 | [E] C | [0,46] 0,52 | [E] E | [1,2] 1,5 | [190,000] 190,000 | C | 18,000 | [0,37] 0,42 | [4,6] 0,52 | E | 1 | [1,2] 1,5 | [E] E | 190,000 | C | 15 |
| TETRAETHYL LEAD | 78-00-2 | [0,00037] 0,00042 | [0,0046] 0,0052 | [0,001] 0,0012 | [0,012] 0,015 | [0,037] 0,042 | [10,46] 10,52 | E | [E] E | [E] E | [E] E | [E] E | E | 18,000 | [0,37] 0,42 | [4,6] 0,52 | E | 1 | [1,2] 1,5 | [E] E | 190,000 | C | 15 |
| TETRAETHYLDITHIO PYROPHOSPHATE | 3689-24-5 | [1,8] 2,1 | [2,7] 3,1 | [5,1] 5,8 | [7,6] 8,6 | [180] 210 | [270] 310 | E | [E] E | [E] E | [E] E | [E] E | E | 18,000 | [1,8] 2,1 | [2,7] 3,1 | E | [5,1] 5,8 | [7,6] 8,6 | [E] E | 190,000 | C | 30 |
| TETRAHYDROFURAN | 109-99-9 | [2,5] 2,6 | [0,55] 0,57 | 13 | 2,8 | [250] 260 | [55] 57 | E | [E] E | [E] E | [E] E | [E] E | E | 18,000 | [2,5] 2,6 | [0,55] 0,57 | E | 13 | [0,55] 0,57 | [E] E | 190,000 | C | NA |
| THIOFANOX | 39196-18-4 | [1,1] 1,3 | [0,12] 0,14 | [3,1] 3,5 | [0,34] 0,39 | [110] 130 | [12] 14 | E | [E] E | [E] E | [E] E | [E] E | E | 18,000 | [1,1] 1,3 | [0,12] 0,14 | E | [3,1] 3,5 | [0,34] 0,39 | [E] E | 190,000 | C | NA |
| THIRAM | 137-26-8 | [18] 21 | [47] 55 | [51] 58 | [130] 150 | [1,800] 2,100 | [4,700] 5,500 | E | [E] E | [E] E | [E] E | [E] E | E | 18,000 | [18] 21 | [47] 55 | E | [51] 58 | [130] 150 | [E] E | 190,000 | C | 20 |
| TOLUENE | 108-88-3 | 100 | 44 | 100 | 44 | 10,000 | 4,400 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 10,000 | 4,400 | E | 10,000 | 4,400 | [E] E | 190,000 | C | NA |
| TOLUIDINE, M- | 108-44-1 | [0,37] 0,41 | [0,17] 0,19 | [1,4] 1,9 | [0,65] 0,88 | [37] 41 | [17] 19 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | [0,37] 0,41 | [0,17] 0,19 | E | [1,4] 1,9 | [0,65] 0,88 | [E] E | 190,000 | C | NA |
| TOLUIDINE, O- | 95-53-4 | [0,37] 4,6 | [0,42] 5,2 | [1,4] 2,1 | [1,6] 2,4 | [37] 460 | [42] 520 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | [0,37] 4,6 | [0,42] 5,2 | E | [1,4] 2,1 | [1,6] 2,4 | [E] E | 190,000 | C | NA |
| TOLUIDINE, P- | 106-49-0 | [0,35] 2,4 | [0,32] 2,2 | [1,4] 1,1 | [1,3] 1,0 | [35] 240 | [32] 220 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | [0,35] 2,4 | [0,32] 2,2 | E | [1,4] 1,1 | [1,3] 1,0 | [E] E | 190,000 | C | NA |
| TOXAPHENE | 8001-35-2 | 0,3 | 1,2 | 0,3 | 1,2 | 30 | 120 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 0,3 | 1,2 | E | 30 | 120 | [E] E | 190,000 | C | 20 |
| TRIALATE | 2303-17-5 | [47] 54 | [240] 280 | [130] 150 | [660] 770 | 400 | 2,000 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | [47] 54 | [240] 280 | E | [130] 150 | [660] 770 | [E] E | 190,000 | C | 15 |
| TRIBROMOMETHANE (BROMOFORM) (THM) | 75-25-2 | 8 | 3,5 | 8 | 3,5 | 800 | 350 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 800 | 350 | E | 800 | 350 | [E] E | 190,000 | C | NA |
| TRICHLORO-1,2,2- TRIFLUOROETHANE, 1,1,2- (HAA) | 76-13-1 | 6,300 | 10,000 | C | 10,000 | 10,000 | 10,000 | C | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 10,000 | 10,000 | C | 10,000 | 10,000 | [E] E | 190,000 | C | 20 |
| TRICHLOROACETIC ACID | 76-03-9 | 2 | 0,32 | E | 0,32 | E | 32 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 2 | 0,32 | E | 2 | 0,32 | [E] E | 190,000 | C | NA |
| TRICHLOROBENZENE, 1,2,4- | 120-82-1 | 7 | 2,7 | 7 | 2,7 | 700 | 2,700 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 700 | 2,700 | E | 700 | 2,700 | [E] E | 190,000 | C | 20 |
| TRICHLOROBENZENE, 1,3,5- | 108-70-3 | 4 | 3,1 | 4 | 3,1 | 400 | 3,100 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 400 | 3,100 | E | 400 | 3,100 | [E] E | 190,000 | C | 15 |
| TRICHLOROETHANE, 1,1,1- | 71-55-6 | 20 | 7,2 | 20 | 7,2 | 2,000 | 720 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 2,000 | 720 | E | 2,000 | 720 | [E] E | 190,000 | C | NA |
| TRICHLOROETHANE, 1,1,2- | 79-00-5 | 0,5 | 0,15 | 0,5 | 0,15 | 50 | 15 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 50 | 15 | E | 50 | 15 | [E] E | 190,000 | C | NA |
| TRICHLOROETHYLENE (TCE) | 79-01-6 | 0,5 | 0,17 | 0,5 | 0,17 | 50 | 17 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | 50 | 17 | E | 50 | 17 | [E] E | 190,000 | C | NA |
| TRICHLOROPHENOL, 2,4,5- | 95-95-4 | [370] 420 | [2,300] 2,600 | [1,000] 1,200 | [16,100] 7,300 | [37,000] 42,000 | [16,100] 7,300 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | [37,000] 42,000 | [16,100] 7,300 | E | 100,000 | 190,000 | [E] E | 190,000 | C | 15 |
| TRICHLOROPHENOL, 2,4,6- | 88-06-2 | [3,7] 4,2 | [11] 12 | [10] 12 | [29] 34 | [370] 420 | [11,00] 12,00 | E | [E] E | [E] E | [E] E | [E] E | E | 10,000 | [3,7] 4,2 | [11,00] 12,00 | E | [10,00] 12,00 | [29,000] 34,000 | [E] E | 190,000 | C | 20 |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAAs – The values listed for haloacetic acids (HAAs) are the total for all HAAs combined.

APPENDIX A
 TABLE 3—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR ORGANIC REGULATED SUBSTANCES IN SOIL
 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | Non-Use Aquifers | | | | | | Soil Buffer Distance (feet) | | |
|---|------------|-----------------|-----------------|-----------------|----------------|------------------|-----------------|------------------|----------------|------------------|------------------|------------------|------------------|-----------------------------|------------------|----|
| | | TDS ≤ 2,500 | | | TDS > 2,500 | | | Residential | | | Non-Residential | | | | | |
| | | Residential | | Non-Residential | Residential | | Non-Residential | Residential | | Non-Residential | Residential | | Non-Residential | | | |
| | | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | 100 X GW MSC | Generic Value | | | |
| TRICHLOROPHENOXY ACETIC ACID, 2,4,5-(2,4,5-I) | 93-76-5 | 7 | 1.5 E | 7 | 1.5 E | 700 | 150 E | 700 | 150 E | 700 | 150 E | 700 | 150 E | 700 | 150 E | NA |
| TRICHLOROPHENOXY PROPIONIC ACID, 2,4,5-(2,4,5-I) (SILVEX) | 93-72-1 | 5 | 22 E | 5 | 22 E | 500 | 2,200 E | 500 | 2,200 E | 500 | 2,200 E | 500 | 2,200 E | 500 | 22 E | 20 |
| TRICHLOROPROPANE, 1,1,2- | 598-77-6 | [18] 21 | [3.1] 3.6 | [51] 58 | [8.7] 9.9 | [1,800] 2,100 | [310] 360 | [5,100] 5,800 | [870] 990 | [18] 21 | [3.1] 3.6 | [51] 58 | [8.7] 9.9 | [51] 58 | [8.7] 9.9 | NA |
| TRICHLOROPROPANE, 1,2,3- | 96-18-4 | 4 | 3.2 E | 4 | 3.2 E | 400 | 320 E | 400 | 320 E | 400 | 320 E | 400 | 320 E | 400 | 320 E | NA |
| TRICHLOROPROPENE, 1,2,3- | 96-19-5 | [0.21] 0.063 | [0.12] 0.037 | [0.88] 0.26 | [0.52] 0.15 | [21] 6.3 | [12] 3.7 | [88] 26 | [52] 15 | [0.21] 0.063 | [0.12] 0.037 | [0.88] 0.26 | [0.52] 0.15 | [0.88] 0.26 | [0.52] 0.15 | NA |
| TRIMETHYLAMINE | 121-44-8 | 1.5 | 0.36 E | 6.2 | 1.5 E | 150 | 36 E | 620 | 150 E | 1.5 | 0.36 E | 6.2 | 1.5 E | 6.2 | 1.5 E | NA |
| TRIFLURALIN | 1582-09-8 | 1 | 1.9 E | 1 | 1.9 E | 100 | 190 E | 100 | 190 E | 1 | 1.9 E | 1 | 1.9 E | 1 | 1.9 E | 30 |
| TRIMETHYLBENZENE, 1,3,4-(TRIMETHYLBENZENE, 1,2,4-) | 95-63-6 | 1.5 | 8.4 E | 6.2 | 35 E | 150 | 840 E | 620 | 3,200 E | 150 | 840 E | 620 | 3,500 E | 620 | 3,500 E | 15 |
| TRIMETHYLBENZENE, 1,3,5- | 108-67-8 | [1.3] 42 | [2.3] 7.4 | [5.3] 120 | [9.3] 210 | [1,30] 4,200 | [230] 7,400 | [530] 4,900 | [930] 8,600 | [1.3] 42 | [2.3] 7.4 | [5.3] 120 | [9.3] 210 | [5.3] 120 | [9.3] 210 | 30 |
| TRINITROGLYCEROL (NITROGLYCERIN) | 55-63-0 | 0.5 | 0.056 E | 0.5 | 0.056 E | 50 | 5.6 E | 50 | 5.6 E | 0.5 | 0.056 E | 0.5 | 0.056 E | 0.5 | 0.056 E | NA |
| TRINITROTOLUENE, 2,4,6- | 118-96-7 | 0.2 | 0.023 E | 0.2 | 0.023 E | 20 | 2.3 E | 20 | 2.3 E | 0.2 | 0.023 E | 0.2 | 0.023 E | 0.2 | 0.023 E | NA |
| VINYL ACETATE | 108-05-4 | 42 | 5 E | 180 | 21 E | 4,200 | 500 E | 10,000 | 2,100 E | 42 | 5 E | 180 | 21 E | 180 | 21 E | NA |
| VINYL BROMIDE (BROMOETHENE) | 593-60-2 | 0.15 | 0.073 E | 0.78 | 0.38 E | 15 | 7.3 E | 78 | 38 E | 1.5 | 0.73 E | 7.8 | 3.8 E | 7.8 | 3.8 E | NA |
| VINYL CHLORIDE | 75-01-4 | 0.2 | 0.027 E | 0.2 | 0.027 E | 20 | 2.7 E | 20 | 2.7 E | 2 | 0.27 E | 2 | 0.27 E | 2 | 0.27 E | NA |
| WARFARIN | 81-81-2 | [1.1] 1.3 | [2.6] 3.1 | [3.1] 3.5 | [7.4] 8.4 | [110] 130 | [260] 310 | [310] 350 | [740] 840 | [1.100] 1,300 | [2.600] 3,100 | [3.100] 3,500 | [7.400] 8,400 | [3.100] 3,500 | [7.400] 8,400 | 30 |
| XYLENES (TOTAL) | 1330-20-7 | 1,000 | 990 E | 1,000 | 990 E | 10,000 | 10,000 C | 10,000 | 10,000 C | 10,000 | 10,000 C | 10,000 | 10,000 C | 10,000 | 10,000 C | NA |
| ZINEB | 12122-67-7 | [180] 210 | [29] 33 | [510] 580 | [81] 92 | 1,000 | 160 E | 1,000 | 160 E | [180] 210 | [29] 33 | [510] 580 | [81] 92 | [510] 580 | [81] 92 | NA |

¹ For other options see § 250.308
 All concentrations in mg/kg
 E – Number calculated by the soil to groundwater equation in § 250.308
 C – Cap

NA – The soil buffer distance option is not available for this substance
THMs – The values listed for trihalomethanes (THMs) are the total for all THMs combined.
HAA5 – The values listed for haloacetic acids (HAA5) are the total for all HAA5 combined.

APPENDIX A
TABLE 4—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR INORGANIC REGULATED
SUBSTANCES IN SOIL
A. Direct Contact Numeric Values

| REGULATED SUBSTANCE | CASRN | Residential MSC 0-15 feet | | Non-Residential MSCs | | | |
|----------------------|--------------------------|------------------------------|----------|--------------------------|----------|------------------------------|----------|
| | | | | Surface Soil 0-2 feet | | Subsurface Soil 2-15 feet | |
| ALUMINUM | 7429-90-5 | 190,000 | C | 190,000 | C | 190,000 | C |
| ANTIMONY | 7440-36-0 | 88 | G | [1,100] 1,300 | G | 190,000 | C |
| ARSENIC | 7440-38-2 | 12 | G | [53] 61 | G | 190,000 | C |
| BARIUM AND COMPOUNDS | 7440-39-3 | 44,000 | G | 190,000 | C | 190,000 | C |
| BERYLLIUM | 7440-41-7 | 440 | G | [5,600] 6,400 | G | 190,000 | C |
| BORON AND COMPOUNDS | 7440-42-8 | 44,000 | G | 190,000 | C | 190,000 | C |
| CADMIUM | 7440-43-9 | 110 | G | [1,400] 1,600 | G | 190,000 | C |
| CHROMIUM III | 16065-83-1 | 190,000 | C | 190,000 | C | 190,000 | C |
| CHROMIUM VI | 18540-29-9 | 660 | G | [8,400] 9,600 | G | 20,000 | N |
| COBALT | 7440-48-4 | 66 | G | [840] 960 | G | 190,000 | [C] N |
| COPPER | 7440-50-8 | 8,100 | G | [100,000] 120,000 | G | 190,000 | C |
| CYANIDE, FREE | 57-12-5 | [4,400] 130 | G | [56,000] 1,900 | G | 190,000 | C |
| FLUORIDE | 16984-48-8 | 8,800 | G | [110,000] 130,000 | G | 190,000 | [G] C |
| IRON | 7439-89-6 | 150,000 | G | 190,000 | C | 190,000 | C |
| LEAD | 7439-92-1 | 500 | U | 1,000 | S | 190,000 | C |
| LITHIUM | [7439-93-0] 7439-93-2 | 440 | G | [5,600] 6,400 | G | 190,000 | C |
| MANGANESE | 7439-96-5 | 10,000 | G | [130,000] 150,000 | G | 190,000 | C |
| MERCURY | 7439-97-6 | 35 | G | [450] 510 | G | 190,000 | C |
| MOLYBDENUM | 7439-98-7 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| NICKEL | 7440-02-0 | 4,400 | G | [56,000] 64,000 | G | 190,000 | C |
| PERCHLORATE | 7790-98-9 | 150 | G | [2,000] 2,200 | G | 190,000 | C |
| SELENIUM | 7782-49-2 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| SILVER | 7440-22-4 | 1,100 | G | [14,000] 16,000 | G | 190,000 | C |
| STRONTIUM | 7440-24-6 | 130,000 | G | 190,000 | C | 190,000 | C |
| THALLIUM | 7440-28-0 | [15] 2 | G | [200] 32 | G | 190,000 | C |
| TIN | 7440-31-5 | 130,000 | G | 190,000 | C | 190,000 | C |
| VANADIUM | 7440-62-2 | [1,500] 15 | G | [20,000] 220 | G | 190,000 | C |
| ZINC | 7440-66-6 | 66,000 | G | 190,000 | C | 190,000 | C |

All concentrations in mg/kg (except asbestos, which is in fibers/kg)

R – Residential

NR – Non-Residential

G – Ingestion

[H] N – Inhalation

C- Cap

U – UBK Model

S – SEGH Model

NA – Not Applicable

APPENDIX A
TABLE 4—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR INORGANIC REGULATED SUBSTANCES IN SOIL
 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | TDS > 2500 | | | | | | Non-use Aquifers | | | | | | Soil Buffer Distance (feet) |
|----------------------|------------|---------------|---------------|------|--------------|---------------|-----------|--------------|---------------|--------|--------------|---------------|----------|------------------|---------------|---------|--------------|---------------|-----------|-----------------------------|
| | | TDS <= 2500 | | | TDS > 2500 | | | R | | | NR | | | R | | | NR | | | |
| | | 100 X GW MSC | Generic Value | NR | 100 X GW MSC | Generic Value | NR | 100 X GW MSC | Generic Value | NR | 100 X GW MSC | Generic Value | NR | 100 X GW MSC | Generic Value | NR | 100 X GW MSC | Generic Value | NR | |
| | | | | | | | | | | | | | | | | | | | | |
| ALUMINUM | 7429-90-5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| ANTIMONY | 7440-36-0 | 0.6 | 27 | 0.6 | 27 | 60 | 2,700 | 60 | 2,700 | 600 | 27,000 | 600 | 27,000 | 600 | 27,000 | 600 | 27,000 | 600 | 27,000 | 15 |
| ARSENIC | 7440-38-2 | 1 | 29 | 1 | 29 | 100 | 2,900 | 100 | 2,900 | 1,000 | 29,000 | 1,000 | 29,000 | 1,000 | 29,000 | 1,000 | 29,000 | 1,000 | 29,000 | 15 |
| BARIUM AND COMPOUNDS | 7440-39-3 | 200 | 8,200 | 200 | 8,200 | 20,000 | 190,000 | 20,000 | 190,000 | 20,000 | 190,000 | 20,000 | 190,000 | 20,000 | 190,000 | 20,000 | 190,000 | 20,000 | 190,000 | 15 |
| BERYLLIUM | 7440-41-7 | 0.4 | 320 | 0.4 | 320 | 40 | 32,000 | 40 | 32,000 | 40 | 32,000 | 40 | 32,000 | 400 | 190,000 | 400 | 190,000 | 400 | 190,000 | 10 |
| BORON AND COMPOUNDS | 7440-42-8 | 600 | 1,900 | 600 | 1,900 | 60,000 | 190,000 | 60,000 | 190,000 | 60,000 | 190,000 | 60,000 | 190,000 | 60,000 | 190,000 | 60,000 | 190,000 | 60,000 | 190,000 | 30 |
| CADMIUM | 7440-43-9 | 0.5 | 38 | 0.5 | 38 | 50 | 3,800 | 50 | 3,800 | 50 | 3,800 | 50 | 3,800 | 500 | 38,000 | 500 | 38,000 | 500 | 38,000 | 15 |
| CHROMIUM (III) | 16065-83-1 | 10 | 190,000 | 10 | 190,000 | 1,000 | 190,000 | 1,000 | 190,000 | 1,000 | 190,000 | 1,000 | 190,000 | 1,000 | 190,000 | 1,000 | 190,000 | 1,000 | 190,000 | 5 |
| CHROMIUM (VI) | 18540-29-9 | 10 | 190 | 10 | 190 | 1,000 | 19,000 | 1,000 | 19,000 | 1,000 | 19,000 | 1,000 | 19,000 | 1,000 | 19,000 | 1,000 | 19,000 | 1,000 | 19,000 | 15 |
| COBALT | 7440-48-4 | 1 | [50] | [3] | [140] | [110] | [5,000] | [310] | [14,000] | [110] | [5,000] | [310] | [14,000] | [1,100] | [50,000] | [1,100] | [50,000] | [3,100] | [140,000] | 15 |
| | | | 59 | 4 | 160 | 130 | 5,900 | 350 | 16,000 | 130 | 5,900 | 350 | 16,000 | 1,300 | 59,000 | 1,300 | 59,000 | 3,500 | 160,000 | |
| COPPER | 7440-50-8 | 100 | 43,000 | 100 | 43,000 | 10,000 | 190,000 | 10,000 | 190,000 | 10,000 | 190,000 | 10,000 | 190,000 | 100,000 | 190,000 | 100,000 | 190,000 | 100,000 | 190,000 | 10 |
| CYANIDE, FREE | 57-12-5 | 20 | 200 | 20 | 200 | 2,000 | 20,000 | 2,000 | 20,000 | 2,000 | 20,000 | 2,000 | 20,000 | 20,000 | 190,000 | 20,000 | 190,000 | 20,000 | 190,000 | 20 |
| FLUORIDE | 16984-48-8 | 400 | 44 | 400 | 44 | 40,000 | 4,400 | 40,000 | 4,400 | 40,000 | 4,400 | 40,000 | 4,400 | 40,000 | 44,000 | 40,000 | 44,000 | 40,000 | 44,000 | NA |
| IRON | 7439-89-6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LEAD | 7439-92-1 | 0.5 | 450 | 0.5 | 450 | 50 | 45,000 | 50 | 45,000 | 50 | 45,000 | 50 | 45,000 | 500 | 190,000 | 500 | 190,000 | 500 | 190,000 | 10 |
| LITHIUM | 7439-93-2 | [7] | [2,200] | [20] | [6,000] | [730] | [190,000] | [2,000] | [60,000] | [730] | [190,000] | [2,000] | [60,000] | [7,300] | [190,000] | [7,300] | [190,000] | [20,000] | [60,000] | 10 |
| | | 8 | 2,500 | 23 | 6,900 | 830 | 23,000 | 2,300 | 69,000 | 830 | 23,000 | 2,300 | 69,000 | 8,300 | 190,000 | 8,300 | 190,000 | 23,000 | 69,000 | |
| MANGANESE | 7439-96-5 | 30 | 2,000 | 30 | 2,000 | 3,000 | 190,000 | 3,000 | 190,000 | 3,000 | 190,000 | 3,000 | 190,000 | 30,000 | 190,000 | 30,000 | 190,000 | 30,000 | 190,000 | 15 |
| MERCURY | 7439-97-6 | 0.2 | 10 | 0.2 | 10 | 20 | 1,000 | 20 | 1,000 | 20 | 1,000 | 20 | 1,000 | 200 | 10,000 | 200 | 10,000 | 200 | 10,000 | 15 |
| MOLYBDENUM | 7439-98-7 | 4 | 650 | 4 | 650 | 400 | 65,000 | 400 | 65,000 | 400 | 65,000 | 400 | 65,000 | 4,000 | 190,000 | 4,000 | 190,000 | 4,000 | 190,000 | 15 |
| NICKEL | 7440-02-0 | 10 | 650 | 10 | 650 | 1,000 | 65,000 | 1,000 | 65,000 | 1,000 | 65,000 | 1,000 | 65,000 | 10,000 | 190,000 | 10,000 | 190,000 | 10,000 | 190,000 | 15 |
| PERCHLORATE | 7790-98-9 | 1.5 | 0.17 | 1.5 | [0.21] | 150 | 17 | 150 | 17 | 150 | 17 | 150 | 17 | 1,500 | 170 | 1,500 | 170 | 1,500 | 170 | NA |
| | | | 0.17 | | 0.17 | | | | | | | | | | | | | | | |
| SELENIUM | 7782-49-2 | 5 | 26 | 5 | 26 | 500 | 2,600 | 500 | 2,600 | 500 | 2,600 | 500 | 2,600 | 5,000 | 26,000 | 5,000 | 26,000 | 5,000 | 26,000 | 20 |
| SILVER | 7440-22-4 | 10 | 84 | 10 | 84 | 1,000 | 8,400 | 1,000 | 8,400 | 1,000 | 8,400 | 1,000 | 8,400 | 10,000 | 84,000 | 10,000 | 84,000 | 10,000 | 84,000 | 20 |
| STRONTIUM | 7440-24-6 | 400 | 44 | 400 | 44 | 40,000 | 4,400 | 40,000 | 4,400 | 40,000 | 4,400 | 40,000 | 4,400 | 190,000 | 44,000 | 190,000 | 44,000 | 190,000 | 44,000 | NA |

¹For other options see [Section] § 250.308
 All concentrations in mg/kg
 R – Residential
 NR – Non-Residential
 NA – Not Applicable

APPENDIX A
 TABLE 4—MEDIUM-SPECIFIC CONCENTRATIONS (MSCs) FOR INORGANIC REGULATED SUBSTANCES IN SOIL
 B. Soil to Groundwater Numeric Values¹

| REGULATED SUBSTANCE | CASRN | Used Aquifers | | | | | | Non-use Aquifers | | | | | | Soil Buffer Distance (feet) | | |
|---------------------|-----------|------------------|-----------------|------------------|-----------------|---------------|---------------------|------------------|---------------------|-----------------|------------------|------------------|----------------------|-----------------------------|----------------------|----|
| | | TDS ≤ 2500 | | | TDS > 2500 | | | R | | | NR | | | | | |
| | | 100 X GW MSC | Generic Value | NR | 100 X GW MSC | Generic Value | NR | 100 X GW MSC | Generic Value | NR | 100 X GW MSC | Generic Value | NR | | | |
| THALLIUM | 7440-28-0 | 0.2 | 14 | [0.20] 0.2 | 14 | 20 | 1,400 | 20 | 1,400 | 20 | 1,400 | 200 | 14,000 | 200 | 14,000 | 15 |
| TIN | 7440-31-5 | [2,200] 2,500 | 190,000 | [6,100] 7,000 | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | 10 |
| VANADIUM | 7440-62-2 | [26] 0.29 | [26,000] 290 | [72] 0.82 | [72,000] 820 | [2,600] 29 | [190,000] 29,000 | [7,200] 82 | [190,000] 82,000 | [26,000] 290 | [190,000] 290 | [190,000] 820 | [190,000] 190,000 | [190,000] 190,000 | [190,000] 190,000 | 5 |
| ZINC | 7440-66-6 | 200 | 12,000 | 200 | 12,000 | 20,000 | 190,000 | 20,000 | 190,000 | 20,000 | 190,000 | 190,000 | 190,000 | 190,000 | 190,000 | 15 |

¹For other options see [Section] § 250.308
 All concentrations in mg/kg
 R – Residential
 NR – Non-Residential
 NA – Not Applicable

APPENDIX A
TABLE 5—PHYSICAL AND TOXICOLOGICAL PROPERTIES
A. Organic Regulated Substances

| Regulated Substance | CAS | RD ₅₀ (mg/kg-d) | CSF ₀ (mg/kg-d) ⁻¹ | BC ₁ (mg/m ³) | IUR (µg/m ³) ⁻¹ | Koc (L/KG) | 10C ² | Aqueous Sol (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ⁻¹) |
|-----------------------------------|------------|-------------------------------|---|---|---|---------------|------------------|-----------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|---|
| ACENAPHTHENE | 83-32-9 | 0.06 | I | | | 4,900 | | 3.8 | 1.5,6 | | | | 279 | 1.24 |
| ACENAPHTHYLENE | 208-96-8 | 0.06 | S | | | 4,500 | | 16.1 | 5,6,7 | | | | 280 | 2.11 |
| ACEPHATE | 30560-19-1 | 0.004 | I | 0.0087 | I | 3 | X | 818,000 | 6 | | | X | 340 | |
| ACETALDEHYDE | 75-07-0 | 0.9 | I | | | 4.1 | X | 1,000,000 | 1 | 13,100 | 15,100 | X | 20 | |
| ACETONITRILE | 67-64-1 | 0.9 | I | 31 | D | 0.31 | X | 1,000,000 | 1 | 13,100 | 15,000 | X | 56 | 18.07 |
| ACETOPHENONE | 75-05-8 | 0.06 | I | 0.06 | I | 0.5 | X | 1,000,000 | 1 | 13,100 | 15,000 | X | 82 | 4.50 |
| ACETOPHENONE | 98-86-2 | 0.1 | I | | | 170 | | 5500 | 1 | | | X | 203 | |
| ACETYLAMINO-FLUORENE, 2-(2AAF) | 53-96-3 | | | | | 1,600 | C | 10.13 | 7 | | | | 303 | 0.69 |
| ACROLEIN | 107-02-8 | 0.0005 | I | 0.00002 | I | 0.56 | X | 208,000 | 1,2,4 | 13,100 | 15,100 | X | 53 | 4.50 |
| ACRYLAMIDE | 79-06-1 | 0.0002 | I | 0.006 | I | 25 | X | 2,151,000 | 4 | 13,000 | 15,000 | | 193 | |
| ACRYLIC ACID | 79-10-7 | 0.5 | I | 0.001 | I | 29 | X | 1,000,000 | 2 | 13,000 | 14,900 | X | 141 | 1.39 |
| ACRYLONITRILE | 107-13-1 | 0.04 | D | 0.002 | I | 11 | X | 75,500 | 1 | 13,100 | 15,100 | X | 77 | 5.50 |
| ALACHLOR | 15972-60-8 | 0.01 | I | 0.056 | C | 110 | | 140 | 2 | | | | 378 | |
| ALDICARB | 116-06-3 | 0.001 | I | | | 22 | | 6,000 | 2 | | | | 287 | 0.40 |
| ALDICARB SULFONE | 1646-88-4 | 0.001 | I | | | 10 | | 8,000 | 5 | | | | 317 | |
| ALDICARB SULFOXIDE | 1646-87-3 | 0.001 | M | | | 0.22 | | 330,000 | 5 | | | | 307 | |
| ALDRIN | 309-00-2 | 0.0003 | I | 17 | I | 48,000 | | 0.02 | 4,5,6 | | | | 330 | 0.22 |
| ALLYL ALCOHOL | 107-18-6 | 0.005 | I | 0.00031 | [P] | 3.2 | X | 1,000,000 | 2 | 13,100 | 15,000 | X | 97 | 18.07 |
| AMETRYN | 834-12-8 | 0.009 | I | | X | 389 | | 185 | 5 | | | | 345 | |
| AMINOBIIPHENYL, 4- | 92-67-1 | | | 2.1 | C | 110 | | 1,200 | 5 | | | | 302 | 18.07 |
| AMITROLE | 61-82-5 | | | 0.94 | C | 120 | | 280,000 | 4 | | | | 258 | 0.69 |
| AMMONIA | 7664-41-7 | 0.97 | H | 0.1 | I | 3 | X | 310,000 | 2,5,7 | 13,100 | 15,000 | X | -33 | |
| AMMONIUM SULFAMATE | 7773-06-0 | 0.2 | I | | | 3 | | 2,160,000 | 10 | | | | 603 | |
| ANILINE | 62-53-3 | 0.007 | P | 0.0057 | I | 190 | X | 33,800 | 1 | 13,000 | 14,900 | X | 184 | |
| ANTHRACENE | 120-12-7 | 0.3 | I | | | 21,000 | | 0.066 | 1,5,6,7,8,9 | | | | 340 | 0.28 |
| ATRAZINE | 1912-24-9 | 0.035 | I | 0.23 | C | 130 | | 70 | 2,4,5 | | | | 313 | |
| AZINPHOS-METHYL (GUTHION) | 86-50-0 | 0.003 | D | 0.01 | D | 407.4 | | 31.5 | 1 | | | | 421 | |
| BAYGON (PROPOXUR) | 114-26-1 | 0.004 | I | | | 31 | | 2,000 | 2,4,5 | | | decomp. | 520 | 4.50 |
| BENOMYL | 17804-35-2 | 0.05 | I | | | 1,900 | | 2 | 5 | | | | 5 | |
| BENTAZON | 25057-89-0 | 0.03 | I | | | 13 | | 500 | 2 | | | | 415 | |
| BENZENE | 71-43-2 | 0.004 | I | 0.055 | I | 58 | X | 1,780.5 | 1,2,3,4 | 13,100 | 15,000 | X | 81 | 0.35 |
| BENZIDINE | 92-87-5 | 0.003 | I | 2.50 | I | 530,000 | | 520 | 1,2,4 | | | | 400 | 15.81 |
| BENZO[A]ANTHRACENE | 56-55-3 | | | [0.73] | [N] | 0.00011 | C | 0.011 | 1,5,6 | | | | 438 | 0.19 |
| BENZO[A]PYRENE | 50-32-8 | | | 0.7 | X | 350,000 | | 0.011 | 1,5,6 | | | | 495 | 0.24 |
| BENZO[B]FLUORANTHENE | 205-99-2 | | | 7.3 | I | 910,000 | C | 0.0038 | 1,5,6 | | | | 357 | 0.21 |
| BENZO[G]HUIPERYLENE | 191-24-2 | 0.06 | S | 0.73 | N | 550,000 | C | 0.0012 | 5,6,7 | | | | 500 | 0.19 |
| BENZO[K]FLUORANTHENE | 207-08-9 | | | 0.073 | N | 2,800,000 | | 0.0026 | 1,5,6 | | | | | |
| BENZOIC ACID | 65-85-0 | 4 | I | | | 4,400,000 | C | 0.00055 | 5,6,7 | | | | 480 | 0.06 |
| BENZOTRICHLORIDE | 98-07-7 | | | 13 | I | 920 | | 2,700 | 2,3,4,5 | | | X | 221 | 12.143,60 |

¹ Aqueous solubility references are keyed to the numbered list found at § 250.304(f). Where there are multiple sources cited, the table value is the median of the values in the individual references.

Toxicity Value Sources:

- C = California EPA Cancer Potency Factor
- D = ATSDR Minimal Risk Level
- H = Health Effects Assessment Summary Table (HEAST)
- I = Integrated Risk Information System (IRIS)
- M = EPA Drinking Water Regulations and Health Advisories
- N = EPA NCEA Provisional Values
- P = EPA Provisional Peer-Reviewed Toxicity Value
- S = surrogate
- T = TEF
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- X = EPA Provisional Peer-Reviewed Toxicity Value Appendix

APPENDIX A
TABLE 5—PHYSICAL AND TOXICOLOGICAL PROPERTIES
A. Organic Regulated Substances

| Regulated Substance | CAS | RD ₅₀ (mg/kg-d) | CSFo (mg/kg-d) ¹ | BCI (mg/m ³) | IUR (µg/m ³) ¹ | Koc (L/KG) | 10C ² | Aqueous Sol (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ¹) |
|----------------------------------|-----------|-------------------------------|--------------------------------|-----------------------------|--|---------------|------------------|-----------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|--|
| BENZYL ALCOHOL | 100-51-6 | [0.5] 0.1 | P | | | 100 | | 40,000 | 1,2,3 | | | X | 205 | |
| BENZYL CHLORIDE | 100-44-7 | 0.002 | P | 0.001 | P | 190 | X | 493 | | 13,000 | 15,000 | X | 179 | 20,90 |
| BETA PROIOLACTONE | 57-57-8 | | C | | | 4 | X | 370,000 | 2 | 13,100 | 15,000 | X | 162 | 0.01 |
| BHC, ALPHA | 319-84-6 | 0.008 | D | | | 1,800 | | 1.7 | 4,5,6,7 | | | | 288 | 0.94 |
| BHC, BETA- | 319-85-7 | | I | | | 2,300 | | | 6 | | | | 304 | 1.02 |
| BHC, GAMMA (LINDANE) | 58-89-9 | 0.0003 | I | | | 1,400 | | 7.3 | 4,5,6 | | | | 323 | 1.05 |
| BIPHENYL, 1,1- | 92-52-4 | [0.05] 0.5 | I | 0.0004 | X | 1,700 | | 7.2 | 1 | | | | 255 | 18.07 |
| BIS(2-CHLORO ETHOXY)METHANE | 111-91-1 | 0.003 | P | | | 61 | | 100,500 | 4,6,7,9,10,11 | | | X | 218 | |
| BIS(2- CHLOROETHYL)ETHER | 111-44-4 | | I | | | 76 | X | 10,200 | 1,4,5 | 13,000 | 14,900 | X | 179 | 0.69 |
| BIS(2-CHLORO- ISOPROPYL)ETHER | 108-60-1 | 0.04 | I | | | 62 | X | 1,700 | 5 | 13,000 | 14,900 | X | 189 | 0.69 |
| BIS(CHLOROMETHYL)ETHER | 542-88-1 | | I | | | 16 | X | 22,000 | 6 | 13,100 | 15,100 | X | 105 | 572.70-57 |
| BIS(2-ETHYLHEXYL) PHTHALATE | 117-81-7 | 0.02 | I | | | 87,000 | | 0.285 | 4,5,6 | | | X | 384 | 0.65 |
| BISPHENOL A | 80-05-7 | 0.05 | I | | | 1,500 | | 120 | 4 | | | | 220 | 0.69 |
| BROMACIL | 314-40-9 | 0.1 | M | | | 58 | | 815 | 2 | | | | 421 | |
| BROMOCHLOROMETHANE | 74-97-5 | 0.01 | M | 0.04 | X | 27 | X | 16,700 | 4 | 13,100 | 15,000 | X | 68 | |
| BROMODICHLOROMETHANE | 75-27-4 | 0.02 | I | | | 93 | X | 4,500 | 6 | 13,100 | 15,000 | X | 87 | |
| BROMOMETHANE | 74-83-9 | 0.0014 | I | | | 170 | X | 17,500 | 2 | 13,100 | 15,000 | X | 4 | 6.66 |
| BROMOXYNIL | 1689-84-5 | 0.02 | I | | | 300 | | 130 | 2 | | | | 329 | |
| BROMOXYNIL OCTANOATE | 1689-99-2 | 0.02 | I | | | 18,000 | | 0.08 | 12 | | | | 414 | |
| BUTADIENE, 1,3- | 106-99-0 | | I | | | 120 | X | 735 | 1 | 13,200 | 15,000 | X | -4.3 | 4.50 |
| BUTYL ALCOHOL, N- | 71-36-3 | 0.1 | I | | | 3.2 | X | 74,000 | 1 | 13,000 | 14,900 | X | 118 | 4.68 |
| BUTYLATE | 2008-41-5 | 0.05 | I | | | 840 | X | 45 | 2 | 13,200 | 15,200 | X | 138 | |
| BUTYLBENZENE, N- | 104-51-8 | [0.04] 0.05 | [N] P | | | 2,500 | X | 15 | 1,6,7 | 13,100 | 15,100 | X | 183 | |
| BUTYLBENZENE, SEC- | 135-98-8 | [0.04] 0.1 | [N] X | | | 890 | X | 17 | 1,6,7 | 13,100 | 15,000 | X | 174 | |
| BUTYLBENZENE, TERT- | 98-06-6 | [0.04] 0.1 | [N] X | | | 680 | X | 30 | 1,6,7 | 13,100 | 15,000 | X | 169 | |
| BUTYLBENZYL PHTHALATE | 85-68-7 | 0.2 | I | | | 34,000 | | 2.69 | 4,5,6 | | | X | 370 | 1.39 |
| CAPTAN | 135-06-2 | 0.13 | I | | | 200 | | 0.5 | 4 | | | | 259 | 589.39 |
| CARBARYL | 63-25-2 | 0.1 | I | | | 190 | | 120 | 2,4,5 | | | | 315 | 4.22 |
| CARBAZOLE | 86-74-8 | | H | | | 2,500 | | 1.2 | 1,5,6 | | | | 355 | |
| CARBOPURAN | 1563-66-2 | 0.005 | I | | | 43 | | 700 | 2 | | | | 311 | |
| CARBON DISULFIDE | 75-15-0 | 0.1 | I | 0.7 | I | 300 | X | 2,100 | 1,2,3 | 13,100 | 15,100 | X | 46 | |
| CARBON TETRACHLORIDE | 56-23-5 | [0.0007] 0.004 | I | [0.19] 0.1 | [D] I | 160 | X | 795 | 1,2,3 | 13,100 | 15,000 | X | 77 | 0.07 |
| CARBOXIN | 5234-68-4 | 0.1 | I | | | 260 | | 170 | 5,6,8 | | | | 407 | |

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 C = California EPA Cancer Potency Factor
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 X = EPA Provisional Peer-Reviewed Toxicity Value Appendix

APPENDIX A
TABLE 5—PHYSICAL AND TOXICOLOGICAL PROPERTIES
A. Organic Regulated Substances

| Regulated Substance | CAS | RD50 (mg/kg-d) | CSFo (mg/kg-d) ¹ | BCI (mg/m ³) | IUR (µg/m ³) ¹ | Koc (L/KG) | 10C ² | Aqueous Sol (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ¹) |
|--------------------------------------|------------|-------------------|--------------------------------|-----------------------------|--|---------------|------------------|-----------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|--|
| CHLORAMBEN | 133-90-4 | 0.015 | I | | | 20 | | 700 | 2 | | | | 210 | |
| CHLORDANE | 57-74-9 | 0.0005 | I | 0.0007 | I | 98,000 | | 0.056 | 4.5,7 | | | | 351 | 0.09 |
| CHLORO-1,1-DIFLUOROETHANE, 1- | 75-68-3 | | | 50 | I | | | 1,400 | 4 | 13,100 | 15,000 | X | -9 | |
| CHLORO-1-PROPENE, 3-(ALLYL CHLORIDE) | 107-05-1 | | | | | | | 3,300 | 1,3,5,7,10 | 13,100 | 15,000 | X | 45 | 18.07 |
| CHLOROACETALDEHYDE | 107-20-0 | | | | | 3.2 | X | 1,000,000 | 9 | 13,000 | 14,900 | X | 85 | |
| CHLOROACETOPHENONE, 2- | 532-27-4 | | | 0.00003 | I | 76 | | 1,100 | 3 | | | | 247 | 4.50 |
| CHLOROANILINE, P- | 106-47-8 | 0.004 | I | | | 460 | | 3,900 | 1 | | | | 232 | |
| CHLOROBENZENE | 106-90-7 | 0.02 | I | 0.05 | P | 200 | X | 490 | 3 | 13,100 | 15,000 | X | 132 | 0.84 |
| CHLOROBENZILATE | 510-15-6 | 0.02 | I | | | 2,600 | | 13 | 4 | | | | 415 | 3.60 |
| CHLOROBUTANE, 1- | 109-69-3 | [0.4] | P | | | 580 | X | 680 | 1,2,3,4 | 13,200 | 15,000 | X | 79 | |
| CHLORODIBROMOMETHANE | 124-48-1 | 0.02 | I | | | 83 | X | 4,200 | 4,6,7,9 | 13,100 | 15,100 | X | 116 | 1.39 |
| CHLORODIFLUOROMETHANE | 75-45-6 | | | 50 | I | 59 | X | 2,899 | 4 | 13,200 | 15,000 | X | -41 | |
| CHLOROETHANE | 75-00-3 | 0.4 | N | 10 | I | 42 | X | 5,700 | 1 | 13,100 | 15,000 | X | 12 | 4.50 |
| CHLOROFORM | 67-66-3 | 0.01 | I | 0.098 | D | 56 | X | 8,000 | 1,2,3 | 13,100 | 15,000 | X | 61 | 0.01 |
| CHLORONAPHTHALENE, 2- | 91-58-7 | 0.08 | I | | | 8,500 | | 11.7 | 1 | | | | 256 | |
| CHLORONITROBENZENE, P- | 100-00-5 | 0.001 | P | | | 480 | | 220 | 1 | | | | 242 | |
| CHLOROPHENOL, 2- | 95-57-8 | 0.005 | I | | | 400 | X | 24,000 | 1,3,4 | 12,900 | 14,900 | X | 175 | |
| CHLOROPRENE | 126-99-8 | 0.02 | H | [0.0071] | [H] | 50 | X | 1,736 | 9 | 13,100 | 15,000 | X | 59 | 0.69 |
| CHLOROPROPANE, 2- | 75-29-6 | | | 0.02 | I | | | | | | | | | |
| CHLOROTHALONIL | 1897-45-6 | 0.015 | I | 0.1 | H | 260 | X | 3,100 | 1,3,5 | 13,200 | 15,000 | X | 47 | |
| CHLORTOLUENE, O- | 95-49-8 | 0.02 | I | | | 980 | | 0.6 | 2 | | | | 350 | |
| CHLORTOLUENE, P- | 106-43-4 | [0.07] | [P] | | | 760 | X | 422 | [14,15] | 13,100 | 15,000 | X | 159 | |
| CHLORPYRIFOS | 2921-88-2 | 0.02 | X | | | 375 | X | 106 | 12 | 13,000 | 14,900 | X | 162 | |
| CHLORSULFURON | 64902-72-3 | [0.003] | [H] | | | 4,600 | | 1.12 | 2,4,6,7 | | | | 377 | |
| CHLORTHAL-DIMETHYL (DACTHAL) (DCPA) | 1861-32-1 | 0.05 | I | | | 11 | | 192 | 2,5,6,8,9 | | | | 531 | |
| CHRYSENE | 218-01-9 | 0.01 | I | | | 6,500 | | 0.5 | 2,5,7 | | | | 360 | 1.37 |
| CRSOL(S) | 1319-77-3 | 0.005 | S | 0.06 | C | 490,000 | | 0.0019 | 1 | | | | 448 | 0.13 |
| CRSOL, O- | 534-52-1 | 0.0001 | P | | | 25 | X | 20,000 | 2 | 13,000 | 14,900 | X | 139 | 5.16 |
| CRSOL, M | 95-48-7 | 0.05 | I | | | 257 | | 150 | 4 | | | | 312 | 6.02 |
| CRSOL, P | 108-39-4 | 0.05 | I | | | 22 | X | 2,500 | 3,5,6 | 13,000 | 14,900 | | 191 | 18.07 |
| CRSOL, 4- | 106-44-5 | 0.005 | H | | | 35 | | 2,500 | 2 | | | X | 202 | 5.16 |
| CRSOL, P-CHLORO-M- | 59-50-7 | [0.005] | [S] | | | 49 | | 22,000 | 6 | | | | 202 | 9.03 |
| CRONALDEHYDE | 4170-30-3 | 0.1 | X | | | 780 | | 3,846 | 2 | | | | 235 | |
| | | | | 1.9 | S | 5.6 | X | 180,000 | 3 | 13,000 | 14,900 | X | 104 | 18.07 |

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APPENDIX A
TABLE 5—PHYSICAL AND TOXICOLOGICAL PROPERTIES
A. Organic Regulated Substances

| Regulated Substance | CAS | RfDo (mg/kg-d) | CSFo (mg/kg-d) ¹ | RCI (mg/m ³) | IUR (µg/m ³) ¹ | Koc (L/KG) | 10C ² | Aqueous Sol (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ¹) |
|---|------------|----------------|-----------------------------|--------------------------|---------------------------------------|------------|------------------|--------------------|------------------------------------|--------------------------|-----------------------------|----------------|---------------------------|--|
| CROTINALDEHYDE, TRANS- | 123-73-9 | 0.001 | 1.9 | H | | | X | 156,000 | 1 | 13,100 | 15,100 | X | 104 | 18.07 |
| CUMENE (ISOPROPYL BENZENE) | 98-82-8 | 0.1 | | | 0.4 | I | | 50 | 1.5,6 | 13,100 | 15,100 | X | 152 | 15.81 |
| CYANAZINE | 21725-46-2 | 0.002 | 0.84 | H | | | | 171 | 2.5 | | | | 369 | |
| CYCLOHEXANE | 110-82-7 | | | | 6 | I | | 479 | 1.2,4,5,6 | 13,100 | 15,100 | X | 81 | |
| CYCLOHEXANONE | 108-94-1 | 5 | | | 0.7 | P | X | 36,500 | 1.2,4,5,6 | 13,000 | 14,900 | X | 157 | |
| CYFLUTHRIN | 68359-37-5 | 0.025 | | | | | | 0.001 | 2 | | | | 448 | |
| CYROMAZINE | 66215-27-8 | 0.0075 | | | | | | 1,200 | 11,000 | | | | 222 | |
| DDD, 4,4' | 72-54-8 | 0.002 | 0.24 | I | | | | 0.000069 | 5.6,7 | | | | 350 | 0.02 |
| DDE, 4,4' | 72-55-9 | | 0.34 | I | | | | 0.16 | 5 | | | | 348 | 0.02 |
| DDT, 4,4' | 50-29-3 | 0.0005 | 0.34 | I | | | | 0.000697 | 5.6,7 | | | | 260 | 0.02 |
| DDT, 4,4' | 103-23-1 | 0.6 | 0.0012 | I | | | | 0.00055 | 5.6,7 | | | | 214 | 4.50 |
| ETHYLHEXYLADIPATE | | | | | | | | 200 | 5 | | | | | |
| DIALATE | 2303-16-4 | | 0.061 | H | | | | 40 | 2.4,6,8 | | | | 328 | 1.39 |
| DIAMINOTOLUENE, 2,4- | 95-80-7 | | 3.8 | C | | | | 7,470 | 4 | | | | 292 | 0.69 |
| DIAZINON | 333-41-5 | 0.0007 | | | | | | 50 | 2.4,6,8 | | | | 306 | |
| DIBENZO[A,H]ANTHRACENE | 53-70-3 | | 7.3 | N | | | | 0.0006 | 1.5,6 | | | | 524 | 0.13 |
| DIBENZOFURAN | 132-64-9 | 0.001 | | | | | | 4.48 | 1.6,7,9 | | | | 287 | 7.23 |
| DIBROMO-3-CHLOROPROPANE, 1,2- | 96-12-8 | 0.0002 | 0.8 | P | | | | 140 | 4 | 13,000 | 15,000 | X | 196 | 0.69 |
| DIBROMOBENZENE, 1,4- | 106-37-6 | 0.01 | | | | | | 1,600 | 20 | | | | 220 | |
| DIBROMOETHANE, 1,2-(ETHYLENE DIBROMIDE) | 106-93-4 | 0.009 | 2 | I | | | | 54 | 1.2,3,5 | 13,100 | 15,100 | X | 131 | 2.11 |
| DIBROMOMETHANE | 74-95-3 | 0.01 | | | | | | 110 | 1 | 13,100 | 15,100 | X | 96 | 4.50 |
| DIBUTYL PHTHALATE, N- | 84-74-2 | 0.1 | | | | | | 1,600 | 1.2,3 | | | | 340 | 11.00 |
| DICAMBA | 1918-00-9 | 0.03 | | | | | | 0.27 | 4.5,6,8,10 | | | | 329 | |
| DICHLOROACETIC ACID | 76-43-6 | 0.004 | 0.05 | I | | | | 8.1 | 1 | 12,900 | 14,900 | X | 194 | |
| DICHLORO-2-BUTENE, 1,4- | 764-41-0 | 0.004 | | | | | | 180 | 9 | 13,100 | 15,000 | X | 156 | |
| DICHLORO-2-BUTENE, TRANS-1,4- | 110-57-6 | | | | | | | 215 | 9 | 12,900 | 14,800 | X | 155 | |
| DICHLOROBENZENE, 1,2- | 95-50-1 | 0.09 | | | | | | 350 | 1.4,5,6,7 | 13,100 | 15,100 | X | 180 | 0.69 |
| DICHLOROBENZENE, 1,3- | 541-73-1 | 0.003 | | | | | | 360 | 1 | 13,100 | 15,100 | X | 173 | 0.69 |
| DICHLOROBENZENE, P- | 106-46-7 | 0.07 | 0.0054 | C | | | | 510 | 1 | 12,900 | 14,900 | X | 174 | 0.69 |
| DICHLOROBENZIDINE, 3,3'- | 91-94-1 | | 0.45 | I | | | | 3.11 | 4.5,6 | | | | 368 | 0.69 |
| DICHLORODIFLUOROMETHANE (FREON 12) | 75-71-8 | 0.2 | | | | | | 360 | 1 | 13,200 | 15,000 | X | -50 | 0.69 |
| DICHLOROETHANE, 1,1- | 75-34-3 | 0.2 | 0.0057 | C | | | | 52 | 2 | 13,100 | 15,000 | X | 57 | 0.16 |
| DICHLOROETHANE, 1,2- | 107-06-2 | 0.006 | 0.091 | I | | | | 38 | 1.2,3,4 | 13,100 | 15,000 | X | 83 | 0.07 |
| DICHLOROETHYLENE, 1,1- | 75-35-4 | 0.05 | | | | | | 65 | 1.4,5 | 13,100 | 15,000 | X | 32 | 0.19 |
| DICHLOROETHYLENE, CIS-1,2- | 156-59-2 | 0.001 | | | | | | 49 | 1 | 13,100 | 15,000 | X | 60 | 0.01 |
| DICHLOROETHYLENE, TRANS-1,2- | 156-60-5 | 0.002 | | | | | | 47 | 1 | 13,100 | 15,000 | X | 48 | 0.01 |

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A. Organic Regulated Substances

| Regulated Substance | CAS | RD50 (mg/kg-d) | CSFo (mg/kg-d) ¹ | RC1 (mg/m ³) | IUR (µg/m ³) ¹ | Koc (L/KG) | 10C ² | Aqueous Sol Sol (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ¹) |
|--|------------|-------------------|--------------------------------|-----------------------------|--|---------------|------------------|---------------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|--|
| DICHLOROMETHANE (METHYLENE CHLORIDE) | 75-09-2 | [0.06] 0.006 | [0.0075] 0.002 | [1] 0.6 | [0.00000047] 0.000000001 | 16 | X | 20,000 | 1,2,3 | 13,100 | 15,000 | X | 40 | 4.50 |
| DICHLOROPHENOL, 2,4- | 120-83-2 | 0.003 | | | | 160 | | 4,500 | 1 | | | | 210 | 5.88 |
| DICHLOROPHENOL, 2,4,6- | 94-75-7 | 0.01 | | | | 59 | | 677 | 4,5,6,7,10 | | | | 215 | 1.39 |
| DICHLOROPROPANE, 1,2- | 78-87-5 | 0.09 | 0.036 | 0.004 | 0.00001 | 47 | X | 2,700 | 1,3,4 | 13,100 | 15,000 | X | 96 | 0.10 |
| DICHLOROPROPENE, 1,3- | 542-75-6 | 0.03 | 0.1 | 0.02 | 0.000004 | 27 | X | 2,700 | 6 | 13,100 | 15,000 | X | 108 | 22.38 |
| DICHLOROPROPIONIC ACID, 2,2-(DALAPON) | 75-99-0 | 0.03 | | | | 62 | X | 500,000 | 5 | 13,000 | 14,900 | X | 190 | 2.11 |
| DICHLOROVOS | 62-73-7 | 0.0005 | 0.29 | 0.0005 | 0.000083 | 50 | | 10,000 | 2,4,5 | | | X | 234 | |
| DICYCLOPENTADIENE | 77-73-6 | 0.008 | | 0.007 | | 810 | X | 40 | 5 | 13,000 | 14,900 | | 167 | |
| DIELDRIN | 60-57-1 | 0.00005 | 16 | | 0.0046 | 11,000 | | 0.17 | 4,5,6 | | | | 385 | 0.12 |
| DIETHANOLAMINE | 111-42-2 | | | 0.003 | | | 4 | 1,000,000 | 2,3,9 | | | X | 269 | |
| DIETHYL-PHTHALATE | 84-66-2 | 0.8 | | | | 81 | | 1,080 | 4,5,6 | | | X | 298 | 2.25 |
| DIFLUBENZURON | 35367-38-5 | 0.02 | | | | 1,000 | | 0.2 | 2 | | | | 201 | |
| DISOPROPYL METHYLPHOSPHONATE | 1445-75-6 | 0.08 | | | | 10 | X | 160,000 | 9 | 13,000 | 14,900 | X | 190 | |
| DIMETHOATE | 60-51-5 | 0.0002 | | | | 110 | | 25,000 | 4 | | | | 361 | 2.26 |
| DIMETHOXYBENZIDINE, 3,3'- | 119-90-4 | | [0.014] 1.6 | | | 1,300 | | 60 | 9 | | | | 331 | 0.69 |
| DIMETHURIN | 70-38-2 | 0.3 | 4.6 | | 0.0013 | 27,000 | | 0.036 | 13 | | | | 353 | 4.50 |
| DIMETHYLAMINOAZOBENZENE, p- | 60-11-7 | | | | | 1,000 | | 13.6 | 7 | | | | 335 | |
| DIMETHYLAMINE, N,N- | 121-69-7 | 0.002 | | | | 180 | X | 1,200 | 5,6,7,9 | 13,000 | 14,900 | X | 192 | 0.69 |
| DIMETHYLBENZIDINE, 3,3'- | 119-93-7 | | 11 | | | 22,000 | | 1,300 | 10 | | | | 300 | 18.07 |
| DIMETHYL METHYLPHOSPHONATE | 756-79-6 | 0.06 | 0.0017 | | | 5 | X | 1,000,000 | 14 | 13,000 | 14,900 | X | 181 | |
| DIMETHYLPHENOL, 2,4- | 105-67-9 | 0.02 | | | | 130 | | 7,869 | 1,4,6,7 | | | X | 211 | 18.07 |
| DINITROBENZENE, 1,3- | 99-65-0 | 0.0001 | | | | 150 | | 523 | 3,5,6,7 | | | | 291 | 0.69 |
| DINITROBENZENE, 2,4- | 51-28-5 | 0.002 | | | | 0.79 | | 5,600 | 2,4,5,6,7 | | | | 332 | 0.48 |
| DINITROTOLUENE, 2,4- | 121-14-2 | 0.002 | 0.31 | | 0.000089 | 51 | | 270 | 4,5,6 | | | | 300 | 0.69 |
| DINITROTOLUENE, 2,6-(2,6- DN1) | 606-20-2 | 0.001 | | | | 74 | | 200 | 6 | | | | 300 | 0.69 |
| DINOSORB | 88-85-7 | 0.001 | | | | 120 | | 50 | 5 | | | | 223 | 1.03 |
| DIOXANE, 1,4- | 123-91-1 | [0.1] 0.03 | [0.011] 0.1 | [3.6] 0.03 | [0.0000071] 0.0000006 | 7.8 | X | 1,000,000 | 5 | 13,000 | 14,900 | X | 101 | 0.69 |
| DIPHENAMID | 957-51-7 | 0.03 | | | | 200 | | 260 | 5 | | | | 210 | |
| DIPHENYLAMINE | 122-39-4 | 0.025 | | | | 190 | | 300 | 3 | | | | 302 | 4.50 |
| DIPHENYLHYDRAZINE, 1,2- | 122-66-7 | | 0.8 | | 0.00022 | 660 | | 0.252 | 6 | | | | 309 | 0.69 |
| DIQUAT | 85-00-7 | 0.0022 | | | | 2.6 | | 700,000 | 5 | | | | 355 | |
| DISULFOTON | 298-04-4 | 0.00004 | | | | 1,000 | | 25 | 4,5,6 | | | X | 332 | 6.02 |
| DITHIANE, 1,4- | 505-29-3 | 0.01 | | | | 22.7 | [N] X | 3,000 | 15 | 13,000 | 14,900 | | 199 | |
| DIURON | 330-54-1 | 0.002 | | | | 300 | | 42 | 2,4,5 | | | | 354 | |
| ENDOSULFAN | 115-29-7 | 0.006 | | | | 2,000 | | 0.48 | 4 | | | | 401 | 2.78 |

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| Regulated Substance | CAS | RD50 (mg/kg-d) | CSFo (mg/kg-d) ¹ | BCI (mg/m ³) | IUR (µg/m ³) ¹ | Koc (L/KG) | 10C ² | Aqueous Sol (mg/L) | Aqueous Sol Reference ³ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ⁻¹) |
|--|------------|--------------------|--------------------------------|-----------------------------|--|---------------|------------------|-----------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|---|
| ENDOSULFAN I (ALPHA) | 959-98-8 | 0.006 | S | | | 2,000 | | 0.5 | 6 | | | | 401 | |
| ENDOSULFAN II (BETA) | 33213-65-9 | 0.006 | S | | | 2,300 | | 0.45 | 6 | | | | 390 | |
| ENDOSULFAN SULFATE | 1031-07-8 | 0.006 | S | | | 2,300 | | 0.117 | 7,9 | | | | 409 | |
| ENDOTHALL | 145-73-3 | 0.02 | I | | | 120 | | 100,000 | 2 | | | | 350 | |
| ENDRIN | 72-20-8 | 0.0003 | I | | | 11,000 | | 0.23 | 4,6,7,9 | | | | 243 | |
| EPICHLOROHYDRIN | 106-89-8 | 0.006 | P | 0.001 | 0.0000012 | 35 | X | 65,800 | 1,3,4 | 13,000 | 14,900 | X | 116 | 4.50 |
| ETHEPHON | 16672-87-0 | 0.005 | I | | | 2 | | 1,240,000 | 12 | | | | 201 | |
| ETHION | 563-12-2 | 0.0005 | I | | | 8,700 | | 0.85 | 4,6,9,10 | | | X | 415 | |
| ETHOXYETHANOL, 2-(EGEE) | 110-80-5 | 0.041 0.09 P | [H] I P | 0.2 | I | 12 | X | 1,000,000 | 2 | 13,200 | 15,000 | X | 136 | 4.50 |
| ETHYL ACETATE | 141-78-6 | 0.9 | I | | | 59 | X | 80,800 | 1,2,3,4,5,6 | 13,100 | 15,000 | X | 77 | 18.07 |
| ETHYL ACRYLATE | 140-88-5 | | H | | | 110 | X | 15,000 | 1,2,6 | 13,100 | 15,000 | X | 100 | 18.07 |
| ETHYL BENZENE | 100-41-4 | 0.1 | I | I | | 220 | X | 161 | 1,3,4 | 13,100 | 15,000 | X | 136 | 1.11 |
| ETHYL DIPHOSPHOROTHIOICARBAMATE, S-(EPTC) | 759-94-4 | 0.025 | I | | | 240 | X | 365 | 2 | 12,900 | 14,900 | X | 127 | |
| ETHYL ETHER | 60-29-7 | 0.2 | I | | | 68 | X | 60,400 | 1 | 13,100 | 15,100 | X | 35 | |
| ETHYL METHACRYLATE | 97-63-2 | 0.09 | H | 0.3 | P | 22 | X | 4,635.5 | 9,10 | 13,100 | 15,000 | X | 117 | |
| ETHYLENE | 107-07-3 | 0.02 | P | | | 1 | X | 1,000,000 | 9 | 13,000 | 14,900 | X | 128 | |
| ETHYLENE GLYCOL | 107-21-1 | 2 | I | 0.4 | C | 4.4 | X | 1,000,000 | 2 | 13,100 | 15,100 | X | 198 | 10.54 |
| ETHYLENE THIOUREA (ETU) | 96-45-7 | 0.00008 | I | 0.000013 | C | 0.23 | | 20,000 | 2 | | | | 347 | 4.50 |
| ETHYL P-NITROPHENYL PHENYLPHOSPHOROTHIOATE | 2104-64-5 | 0.0001 | I | | | 1,200 | | 3.1 | 4 | | | | 215 | |
| FENAMIPHOS | 22224-92-6 | 0.00025 | I | | | 300 | | 329 | 2 | | | | 390 | |
| FENVALERATE (PYDRIN) | 51630-58-1 | 0.025 | I | | | 4,400 | | 0.085 | 5 | | | X | 300 | |
| FLUOMETURON | 2164-17-2 | 0.013 | I | | | 68 | | 97.5 | 2,5,6,8 | | | | 318 | |
| FLUORANTHENE | 206-44-0 | 0.04 | I | | | 49,000 | | 0.26 | 1,5,6 | | | | 375 | 0.29 |
| FLUORENE | 86-73-7 | 0.04 | I | | | 7,900 | | 1.9 | 1 | | | | 298 | 2.11 |
| FLUOROTRICHLOROMETHANE (FREON 11) | 75-69-4 | 0.3 | I | 0.7 | H | 130 | X | 1,090 | 1,4,5,6 | 13,100 | 15,000 | X | 24 | 0.35 |
| FONOFOS | 944-22-9 | 0.002 | I | 0.0098 | D | 1,100 | | 13 | 5,6,8 | 13,100 | 15,100 | X | 324 | |
| FORMALDEHYDE | 50-00-0 | 0.2 | I | 0.000013 | I | 3.6 | X | 55,000 | 1 | 13,100 | 15,100 | X | -21 | 18.07 |
| FORMIC ACID | 64-18-6 | [2] 0.9 P | [H] I P | [0.003] 0.0003 X | [P] X | 0.54 | X | 1,000,000 | 2 | 13,000 | 14,900 | X | 101 | 18.07 |
| FOSETYL-AL | 39146-24-8 | 3 | I | | | 310 | | 120,000 | 2 | | | | 464 | |
| FURAN | 110-00-9 | 0.001 | I | | | 130 | X | 10,000 | 1 | 13,100 | 15,000 | X | 31 | 2.25 |
| FURFURAL | 98-01-1 | 0.003 | I | 0.05 | H | 6.3 | X | 91,000 | 1,2,3 | 13,000 | 14,900 | X | 162 | |
| GLYPHOSATE | 1071-83-6 | 0.1 | I | | | 3,500 | | 12,000 | 1,5,6 | | | | 417 | |
| HEPTACHLOR | 76-44-8 | 0.0005 | I | | | 6,800 | | 0.18 | 4,6,7 | | | | 310 | 46.84 |
| HEPTACHLOR EPOXIDE | 1024-57-3 | 0.000013 | I | | | 21,000 | | 0.311 | 4,6,7,9 | | | | 341 | 0.23 |
| HEXACHLOROBENZENE | 118-74-1 | 0.0008 | I | 1.6 | I | 3,800 | | 0.006 | 1,4,5 | | | | 319 | 0.06 |
| HEXACHLOROBUTADIENE | 87-68-3 | 0.001 | P | 0.00022 | I | 4,700 | | 2.89 | 4,5,6,7 | | | X | 215 | 0.69 |

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| Regulated Substance | CAS | RD ₅₀ (mg/kg-d) | CSF ₀ (mg/kg-d) ⁻¹ | BCI (mg/m ³) | IUR (µg/m ³) ⁻¹ | Koc (L/KG) | 10C ² | Aqueous Sol Conc (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ⁻¹) |
|------------------------------------|------------|-------------------------------|---|-----------------------------|---|----------------|------------------|----------------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|---|
| HEXACHLOROCYCLOPENTADIENE | 77-47-4 | 0.006 | I | 0.0002 | I | 7,200 | | 1.8 | 5,6,7 | | | X | 239 | 4.50 |
| HEXACHLOROETHANE | 67-72-1 | 0.001 0.0007 | I [0.014] 0.04 | 0.03 | I [0.000004] 0.00001 | 2,200 | X | 50 | 1 | 13,000 | 15,000 | | 187 | 0.69 |
| HEXANE | 110-54-3 | 0.06 | H | 0.7 | I | 3,600 | X | 9.5 | 1.5,6 | 13,100 | 15,000 | X | 69 | |
| HEXAZINONE | 51235-04-2 | 0.033 | I | | | 41 | | 330,000 | 1.2 | | | | 408 | |
| HEXYTHIAZOX (SAVEY) | 78587-05-0 | 0.025 | I | | | 6,500 | | 0.5 | 2 | | | | 539 | |
| HMX | 2691-41-0 | 0.05 | I | | | 4 | | 5 | 16 | | | | 436 | |
| HYDRAZINE/HYDRAZINE SULFATE | 302-01-2 | | | [0.0002] 0.00003 | [C] P | 0.0053 | X | 1,000,000 | 2 | 13,000 | 15,000 | X | 114 | 18.07 |
| HYDROQUINONE | 123-31-9 | 0.04 | P | | | 10 | | 70,000 | 2,3,5 | | | | 285 | 18.07 |
| INDENO[1,2,3-CD]PYRENE | 193-39-5 | | | | | 31,000,000 | | 0.062 | 5 | | | | 536 | 0.17 |
| IPRODIONE | 36734-19-7 | 0.04 | I | | | 1,100 | | 13 | 2 | | | | 545 | |
| ISOBUTYL ALCOHOL | 78-83-1 | 0.3 | I | | | 60 | X | 81,000 | 1,2,3,4,5 | 13,000 | 14,900 | X | 108 | 17.57 |
| ISOPHORONE | 78-59-1 | 0.2 | I | 2 | C | 31 | | 12,000 | 2,4,5 | | | X | 215 | 4.5 |
| ISOPROPYL METHYLPHOSPHONATE | 1832-54-8 | 0.1 | I | | | [1.64] 1.84 | | 50,000 | 13 | | | X | 230 | |
| KEPONE | 143-50-0 | [0.0005] 0.0003 | [D] I | | | 55,000 | | 7.6 | 4 | | | | 350 | 0.17 |
| MALATHION | 121-75-5 | 0.02 | I | | | 1,300 | | 143 | 4 | | | X | 351 | 2.46 |
| MALEIC HYDRAZIDE | 128-33-1 | 0.5 | I | | | 2.8 | | 6,000 | 4 | | | | 260 | |
| MANEB | 12427-38-2 | 0.005 | I | | | 23 | | 23 | 9,13 | | | | 351 | |
| MERPHOS OXIDE | 78-48-8 | 0.00003 | I | | | 53,000 | | 2.3 | 8,10,12 | | | X | 392 | |
| METHACRYLONITRILE | 126-98-7 | 0.0001 | I | [0.0007] 0.03 | [H] P | 21 | X | 25,700 | 1 | 13,100 | 15,100 | X | 90 | |
| METHAMIDOPHOS | 10265-92-6 | 0.00005 | I | | | 5 | | 2,000,000 | 5 | | | | 223 | |
| METHANOL | 67-56-1 | [0.5] 2 | I I | [4] 20 | [C] I | 2.8 | X | 1,000,000 | 2 | 13,100 | 15,100 | X | 65 | 36.14 |
| METHOXYL | 16752-77-5 | 0.025 | I | | | 20 | | 58,000 | 2 | | | | 228 | |
| METHOXYCHLOR | 72-43-5 | 0.005 | I | | | 63,000 | | 0.045 | 4,5,6 | | | | 346 | 0.69 |
| METHOXYETHANOL, 2- | 109-86-4 | [0.003] 0.005 | P | 0.02 | I | | | 1,000,000 | 2 | 13,100 | 15,000 | X | 124 | 4.50 |
| METHYL ACETATE | 79-20-9 | | I | | | | | | | | | | | |
| METHYL ACRYLATE | 96-33-3 | 0.03 | H | 0.02 | P | 30 | X | 243,500 | 4,5,6 | 13,100 | 15,100 | X | 57 | 18.07 |
| METHYL CHLORIDE | 74-87-3 | [0.004] 0.004 | [M] I | 0.09 | I | 55 | X | 52,000 | 1,2,5 | 13,100 | 15,100 | X | 70 | 4.50 |
| METHYL ETHYL KETONE | 78-93-3 | 0.6 | I | 5 | I | 6 | X | 6,180 | 1,2,3,4 | 13,100 | 15,000 | X | 80 | 2.57 |
| METHYL HYDRAZINE | 60-34-4 | 0.001 | P | 0.00002 | X | 17 | X | 275,000 | 1,2,3,4,5 | 13,100 | 15,100 | X | 88 | 5.27 |
| METHYL ISOBUTYL KETONE | 108-10-1 | 0.08 | H | 3 | I | | | 1,000,000 | 1,2,4,5 | 13,100 | 15,100 | X | 117 | 18.07 |
| METHYL ISOCYANATE | 624-83-9 | | | 0.001 | C | | | 100,000 | 7 | 13,000 | 15,000 | X | 40 | |
| METHYL N-BUTYL KETONE (2-HEXANONE) | 591-78-6 | [0.04] 0.005 | [N] I | [0.005] 0.03 | [N] I | 54 | X | 17,500 | 1 | 13,100 | 15,100 | X | 128 | |
| METHYL METHACRYLATE | 80-62-6 | 1.4 | I | 0.7 | I | 10 | X | 15,600 | 1 | 13,100 | 15,100 | X | 100 | 4.50 |

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| Regulated Substance | CAS | RD ₅₀ (mg/kg-d) | CSF ₀ (mg/kg-d) ¹ | BC ₁ (mg/m ³) | IUR (µg/m ³) ¹ | K _{oc} (L/KG) | 10C ² | Aqueous Sol (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ¹) |
|---|------------|-------------------------------|--|---|--|---------------------------|------------------|-----------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|--|
| METHYL METHANESULFONATE | 66-27-3 | | 0.099 | | 0.000028 | C | | 200,000 | 2 | | | X | 203 | |
| METHYL PARATHION | 298-00-0 | 0.00025 | | | | | | 25 | 4,5,6 | | | | 348 | 3.61 |
| METHYL STYRENE (MIXED ISOMERS) | 25013-15-4 | 0.006 | | 0.04 | H | | | 89 | 9 | 13,100 | 15,000 | X | 163 | |
| ETHER TERT-BUTYL METHYLCHLOROPHENOXY ACETIC ACID (MCPA) | 1634-04-4 | | 0.0018 | | | C | | 45,000 | 1,2,4,6 | | 15,100 | X | 55 | 0.69 |
| METHYLENE BIS(2-,4,4'- CHLOROANILINE), 2- | 91-57-6 | 0.004 | | | | | | 1,000 | 5,6,8,9 | | | | 287 | 1.39 |
| METHYLSTYRENE, ALPHA | 98-83-9 | 0.07 | | | | | | 13.9 | 10 | | | | 379 | |
| METOLACHLOR | 51218-45-2 | 0.15 | | | | | | 25 | 1 | | | | 241 | |
| METIBUZIN | 21087-64-9 | 0.025 | | | | | | 560 | 9 | 13,100 | 15,100 | X | 165 | |
| MONOCHLOROACETIC ACID | 79-11-8 | 0.01 | | | | | | 530 | 1,5 | 13,000 | 15,000 | X | 100 | |
| NAPHTHALENE | 91-20-3 | 0.02 | | | | | | 1,200 | 17 | 13,000 | 14,900 | | 189 | |
| NAPHTHYLAMINE, 1- | 134-32-7 | 0.004 | | 0.003 | I | | | 858,000 | | | | | 218 | 0.98 |
| NAPHTHYLAMINE, 2- | 91-59-8 | 0.1 | | | | | | 30 | 3 | | | | 301 | 0.69 |
| NAPROPAMIDE | 15298-99-7 | 0.1 | | | | | | 1,690 | 2 | | | | 306 | 0.69 |
| NITROANILINE, M- | 99-09-2 | 0.003 | | | | | | 6.4 | 6 | | | | 399 | |
| NITROANILINE, O- | 88-74-4 | 0.003 | | | | | | 70 | 2 | | | | 306 | |
| NITROANILINE, P- | 100-01-6 | 0.004 | | | | | | 100 | 3 | | | | 284 | |
| NITROBENZENE | 98-95-3 | 0.002 | | | | | | 1,200 | 6 | | | | 332 | |
| NITROGUANIDINE | 556-88-7 | 0.1 | | | | | | 800 | 2 | | | X | 211 | 0.64 |
| NITROPHENOL, 2- | 88-75-5 | 0.008 | | | | | | 2,000 | 2 | | | | 231 | |
| NITROPHENOL, 4- | 100-02-7 | 0.008 | | | | | | 4,400 | 9 | | | | 215 | 9.01 |
| NITROPROPANE, 2- | 79-46-9 | 0.008 | | | | | | 2,100 | 1,2,3,4,5,6 | | | | 279 | 25.81 |
| NITROSODIETHYLAMINE, N- | 55-18-5 | | 150 | 0.02 | I | | | 16,700 | 1,3,4,5 | 13,000 | 14,900 | X | 120 | 0.69 |
| NITROSODIMETHYLAMINE, N- | 62-75-9 | 0.00008 | | | | | | 93,000 | 10 | 13,000 | 14,900 | X | 176 | 0.69 |
| NITROSO-DI-N- BUTYLAMINE, N- | 924-16-3 | | 5.4 | | | | | 1,000,000 | 2 | 13,000 | 14,900 | X | 154 | 0.69 |
| NITROSODIEN- PROPYLAMINE, N- | 621-64-7 | | 7 | | | | | 1,200 | [0.13] 9,10,11 | | | X | 235 | 0.69 |
| NITROSODIPHENYLAMINE, N- | 86-30-6 | [0.02] | | | | | | 9,900 | 6 | | | X | 206 | 0.69 |
| NITROSO-N-ETHYLUREA, N- OCTYL PHTHALATE, DI-N- | 759-73-9 | [0.04] | | | | | | 35 | 1 | | | | 269 | 3.72 |
| OXAMYL (VYDATE) | 23135-22-0 | 0.025 | | | | | | 13,000 | 9 | | | X | 223 | 1734.48 |
| PARAQUAT | 1910-42-5 | 0.0045 | | | | | | 3 | 5 | | | | 234 | 0.69 |
| PARATHION | 56-38-2 | 0.006 | | | | | | 280,000 | 2 | | | | 334 | |
| | | | | | | | | 660,000 | 6,8 | | | | 352 | |
| | | | | | | | | 20 | 2,4,5,6,7 | | | X | 375 | |

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| Regulated Substance | CAS | RD50 (mg/kg-d) | CSFo (mg/kg-d) ¹ | BC1 (mg/m ³) | IUR (µg/m ³) ¹ | Koc (L/KG) | 10C ² | Aqueous Sol Sol (mg/L) | Aqueous Sol Reference ¹ | TF Vol from Surface Soil | TF Vol from SubSurface Soil | Organic Liquid | Boiling Point (degrees C) | Degradation Coefficient (K/yr ¹) |
|---|------------|-------------------|--------------------------------|-----------------------------|--|---------------|------------------|---------------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|--|
| PCB-1016 (AROCLOR) | 12674-11-2 | 0.00007 | I | | 0.00002 | I | | 0.25 | 5 | | | X | 325 | |
| PCB-1221 (AROCLOR) | 11104-28-2 | | I | | 0.00057 | I | | 0.59 | 5 | | | X | 275 | |
| PCB-1232 (AROCLOR) | 11141-16-5 | | I | | 0.00057 | I | | 1.45 | 7 | | | X | 290 | |
| PCB-1242 (AROCLOR) | 53469-21-9 | | I | | 0.00057 | I | | 0.1 | 5 | | | X | 325 | |
| PCB-1248 (AROCLOR) | 12672-29-6 | | I | | 0.00057 | I | | 0.054 | 7,9,11 | | | X | 340 | |
| PCB-1254 (AROCLOR) | 11097-69-1 | 0.00002 | I | | 0.00057 | I | | 0.057 | 5 | | | X | 365 | |
| PCB-1260 (AROCLOR) | 11096-82-5 | | I | | 0.00057 | I | | 1,800,000 | 5 | | | X | 385 | |
| PBULFATE | 1114-71-2 | 0.05 | H | | | | | 92 | 5 | | | X | 303 | |
| PENTACHLOROBENZENE | 608-93-5 | 0.0008 | I | | | | | 0.74 | 15,6,7 | | | X | 277 | 0.37 |
| PENTACHLORODIBENZENE | 76-01-7 | | P | | | | | 480 | 13 | 13,100 | | X | 160 | |
| PENTACHLORONITROBENZENE | 82-68-8 | 0.003 | I | | | | | 0.44 | 4,6,8 | | | | 328 | 0.36 |
| PENTACHLOROPHENOL | 87-86-5 | 0.03 0.005 | I | | 0.0000046 | C | | 14 | 1,2,4,5 | | | | 310 | 0.17 |
| PHENACETIN | 62-44-2 | | C | | 0.0000063 | C | | 763 | 2,3,9 | | | | 341 | 4.50 |
| PHENANTHRENE | 85-01-8 | 0.3 | S | | | | | 1.1 | 1,4,5 | | | | 341 | 0.63 |
| PHENOL | 108-95-2 | 0.3 | I | | | | | 84,300 | 1,2,3,4 | 13,000 | | | 182 | 36.14 |
| PHENYL MERCAPTAN | 108-98-5 | 0.00011 0.001 | H P | 0.2 | C | | | 653 | 5,9 | 13,000 | | X | 170 | |
| PHENYLENEDIAMINE, M- | 108-45-2 | 0.006 | I | | | | | 351,000 | 3 | | | | 286 | 4.50 |
| PHENYLPHENOL, 2- | 90-43-7 | | H | | | | | 700 | 5 | | | | 280 | 18.07 |
| PHORATE | 298-02-2 | 0.0002 | H | | | | | 50 | 2 | | | X | 319 | |
| PHTHALIC ANHYDRIDE | 85-44-9 | 2 | I | 0.02 | C | | | 6,170 | 2 | | | | 285 | 13,490.40 |
| PICLORAM | 1918-02-1 | 0.07 | I | | | | | 430 | 2 | | | | 373 | |
| POLYCHLORINATED BIPHENYLS (AROCLORS) (PCBS) | 1336-36-3 | | I | | 0.00057 | I | | 0.0505 | 10,13 | | | | 360 | |
| PROMETON | 1610-18-0 | 0.015 | I | | | | | 750 | 2,5 | | | | 347 | |
| PRONAMIDE | 23950-58-5 | 0.075 | I | | | | | 15 | 2 | | | | 321 | |
| PROPANIL | 709-98-8 | 0.005 | I | | | | | 225 | 2 | | | | 355 | |
| PROPANOL, 2- (ISOPROPYL ALCOHOL) | 67-63-0 | | I | 7 | C | | | 1,000,000 | 2 | 13,000 | | X | 82 | |
| PROPAZINE | 139-40-2 | 0.02 | I | | | | | 8.6 | 1,5 | | | X | 318 | |
| PROPHAM | 122-42-9 | 0.02 | I | | | | | 250 | 5 | | | | 257 | |
| PROPYLBENZENE, N- | 103-65-1 | 0.04 0.1 | [N] X | I | X | | | 52 | 6 | 13,100 | | X | 159 | |
| PROPYLENE OXIDE | 75-56-9 | | I | 0.03 | I | 0.0000037 | I | 405,000 | 1 | 13,100 | | X | 34 | |
| PYRENE | 129-00-0 | 0.03 | I | | | | | 0.132 | 1 | | | | 393 | 0.07 |
| PYRIDINE | 110-86-1 | 0.001 | I | | | | | 1,000,000 | 2 | 13,100 | | X | 115 | 18.07 |
| QUINOLINE | 91-22-5 | | I | | | | | 60,000 | 1,3,5 | | | X | 238 | 12.65 |
| QUINALOFOF (ASSURE) | 76578-14-8 | 0.009 | I | | | | | 0.3 | 2 | | | | 220 | |
| RDX | 121-82-4 | 0.003 | I | | 0.0000031 | [I] | | 59.9 | 1,9 | | | | 353 | |
| RESORCINOL | 108-46-3 | | TE | | | | | 717,000 | 2 | | | | 280 | |
| RONNEL | 299-84-3 | 0.05 | H | | | | | 40 | 2 | | | | 349 | |
| SIMAZINE | 122-34-9 | 0.005 | I | | | | | 5 | 5 | | | | 225 | |

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|---|------------|-------------------------------|--|-----------------------------|--|---------------|------------------|---------------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|--|
| STYRENE | 57-24-9 | 0.0003 | I | | | | | 143 | 5 | 13,100 | 15,100 | X | 270 | 4.50 |
| STYRENE | 100-42-5 | 0.2 | I | I | | 280 | | 300 | | | | | 145 | 1.20 |
| TERTBUTYLURON | 34014-18-1 | 0.07 | I | | | 620 | | 2,500 | 2 | | | | 394 | |
| TERTBUTYLURON | 5902-51-2 | 0.013 | I | | | 53 | | 710 | | | | | 396 | |
| TERTBUTYLURON | 13071-79-9 | 0.000025 | H | | | 510 | | 5 | 6 | | | X | 332 | |
| TERTBUTYLURON | 95-94-3 | 0.0003 | I | | | 1,800 | | 0.583 | 1,5,6,7 | | | | 245 | 0.69 |
| TERTBUTYLURON | 1746-01-6 | 0.000000 | D | C | 38 | 4,300,000 | | 0.0000193 | 6 | | | | 412 | 0.21 |
| TERTBUTYLURON | 0.00000000 | 0.07 | | | | | | | | | | | | |
| TETRACHLOROETHANE, 1,1,1,2- | 630-20-6 | 0.03 | I | | 0.0000074 | 980 | X | 1,100 | 1 | 13,000 | 14,600 | X | 131 | 3.79 |
| TETRACHLOROETHANE, 1,1,2,2- | 79-34-5 | 0.004 | [P] | | 0.000058 | 79 | X | 2,860 | 2 | 13,100 | 15,100 | X | 147 | 0.56 |
| TETRACHLOROETHYLENE (PCE) | 127-18-4 | 0.01 | I | [0.5] | [N] | 300 | X | 162 | 1,2,3,4,5 | 13,100 | 15,000 | X | 121 | 0.03 |
| TETRACHLOROETHYLENE (PCE) | 58-90-2 | 0.03 | I | 0.04 | 0.0000026 | 6,200 | | 183 | 6 | | | | 288 | 0.69 |
| TETRACHLOROETHYLENE (PCE) | 78-00-2 | 0.000001 | I | | | 4,900 | | 0.8 | 5 | | | X | 202 | 4.50 |
| TETRAETHYL LEAD | 3689-24-5 | 0.0005 | I | | | 550 | | 25 | 2 | | | X | 349 | |
| TETRAETHYL DITHIOPYROP HOSPHATE | 109-99-9 | 0.2 | [N] | [0.3] | 0.00000194 | 43 | X | 300,000 | 1,6,7 | 13,100 | 15,100 | X | 66 | |
| TETRAHYDROFURAN | 39196-18-4 | 0.0003 | H | 2 | I | 0.022 | | 5,200 | 9 | | | | 280 | |
| THIOFANOX | 137-26-8 | 0.005 | I | | | 1,000 | | 30 | 4 | | | | 339 | |
| TOLUENE | 108-88-3 | 0.08 | I | 5 | I | 130 | X | 532.4 | 1,2,3,4 | 13,100 | 15,000 | X | 111 | 9.01 |
| TOLUIDINE, M- | 108-44-1 | | | | | 140 | | 15,030 | 6 | | | X | 203 | |
| TOLUIDINE, O- | 95-53-4 | | | | | 410 | | 15,000 | 1,3,5 | | | X | 200 | 18.07 |
| TOLUIDINE, P- | 106-49-0 | | | | | 320 | | 7410 | 1,2,3 | | | | 200 | |
| TOXAPHENE | 8001-35-2 | 0.013 | I | | 0.00032 | 1,500 | | 3 | 2,4,5 | | | | 432 | |
| TRIALATE | 2303-17-5 | 0.02 | I | | | 2,000 | | 4 | 5 | | | X | 343 | |
| TRIBROMOMETHANE (BROMOFORM) | 75-25-2 | 0.02 | I | | 0.0000011 | 130 | X | 3,050 | 1,2,3,4 | 13,100 | 15,100 | X | 149 | 0.69 |
| TRICHLORO-1,2,2- TRIFLUOROETHANE, 1,1,2- | 76-13-1 | 30 | I | | | 1,200 | X | 170 | 1 | 13,100 | 15,000 | X | 48 | 0.35 |
| TRICHLOROACETIC ACID | 76-03-9 | 0.02 | I | [0.004] | | 20 | X | 1,200,000 | 2,3,5,9 | | | | 196 | |
| TRICHLOROBENZENE, 1,2,4- | 120-82-1 | 0.01 | I | [0.002] | [C] | 1,500 | | 44.4 | 1,4,6,7 | | | X | 213 | 0.69 |
| TRICHLOROBENZENE, 1,3,5- | 108-70-3 | 0.006 | M | [0.004] | [C] | 3,100 | | 5.8 | 5 | | | | 208 | |
| TRICHLOROETHANE, 1,1,1- | 71-55-6 | 2 | I | 5 | I | 100 | X | 1,495 | 1,4,5,6 | 13,100 | 15,000 | X | 74 | 0.05 |
| TRICHLOROETHANE, 1,1,2- | 79-00-5 | 0.004 | I | 0.002 | X | 76 | X | 4,420 | 1 | 13,100 | 15,100 | X | 114 | 0.03 |

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|--|------------|-------------------------------|--------------------------------|-----------------------------|--|---------------|------------------|---------------------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------|------------------------------------|--|
| TRICHLOROETHYLENE (TCE) | 79-01-6 | 0.0005 0.0005 | [0.011] 0.05 | [0.5] 0.002 | [0.0000017] 0.000004 | 93 | X | 1,100 | 1 | 13,100 | 15,000 | X | 87 | 0.02 |
| TRICHLOROPHENOL, 2,4,5- | 95-95-4 | 0.1 | I | | | 2,400 | | 1,000 | 1,2,4 | | | | 246 | 0.14 |
| TRICHLOROPHENOL, 2,4,6- | 88-06-2 | 0.001 | P | | 0.0000031 | 1,100 | | 850 | 1,2,4,5 | | | | 246 | 0.14 |
| TRICHLOROPHENOXACET IC ACID, 2,4,5- (2,4,5-T) | 93-76-5 | 0.01 | I | | | 43 | | 278 | 2,4,5 | | | | 279 | 1.39 |
| TRICHLOROPHENOXYPROI ONIC ACID, 2,4,5- (2,4,5- TP)(SILVEX) | 93-72-1 | 0.008 | I | | | 1,700 | | 140 | 2 | | | | 353 | |
| TRICHLOROPROPANE, 1,1,2- | 598-77-6 | 0.005 | I | | | 24 | X | 2,700 | 14 | 13,100 | 15,000 | X | 117 | |
| TRICHLOROPROPANE, 1,2,3- | 96-18-4 | [0.006] 0.004 | I | [0.005] 0.0003 | [N] I | 280 | X | 1,896 | 1,4,6 | 13,100 | 15,100 | X | 157 | 0.35 |
| TRICHLOROPROPENE, 1,2,3- | 96-19-5 | [0.01] 0.003 | [P] X | [0.001] 0.0003 | P | 190 | X | 2,700 | 14 | 13,100 | 15,000 | X | 142 | |
| TRIMETHYLAMINE | 121-44-8 | | | | | 51 | X | 55,000 | 1,4 | 13,100 | 15,100 | X | 90 | |
| TRIFLURALIN | 1582-09-8 | 0.0075 | I | 0.007 | | 720 | | 4 | 2,5,6,7 | 13,100 | 15,000 | X | 382 | |
| TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-) | 95-63-6 | [0.05] 0.01 | [P] X | 0.007 | | 2,200 | X | 56 | 1 | 13,100 | 15,000 | X | 169 | 4.50 |
| TRIMETHYLBENZENE, 1,3,5- | 108-67-8 | [0.05] 0.01 | [P] X | [0.006] | [P] | 660 | X | 48.9 | 1 | 13,100 | 15,100 | X | 165 | |
| TRINITROGLYCEROL (NITROGLYCERIN) | 55-63-0 | 0.0001 | P | | | | X | 1,800 | 2,3,5 | 13,000 | 15,000 | X | 190 | 18.07 |
| TRINITROTOLUENE, 2,4,6- | 118-96-7 | 0.0005 | I | | | 1 | | 100 | 2 | | | | 240 | |
| VINYL ACETATE | 108-05-4 | 1 | H | 0.2 | | 2.8 | X | 20,000 | 1 | 13,200 | 15,000 | X | 73 | |
| VINYL BROMIDE (BROMETHENE) | 593-60-2 | | | 0.003 | | 150 | X | 4,180 | 12 | 13,100 | 15,000 | X | 16 | 0.09 |
| VINYL CHLORIDE | 75-01-4 | 0.003 | I | 0.1 | [0.0000044] | 10 | X | 2,700 | 1 | 13,200 | 15,000 | X | -13 | 0.09 |
| WARFARIN | 81-81-2 | 0.0003 | I | | 0.000009 | 910 | | 17 | 4 | | | | 356 | 4.50 |
| XYLENES (TOTAL) | 1330-20-7 | 0.2 | I | 0.1 | | 350 | X | 175 | 13 | 13,100 | 15,000 | X | 140 | 0.69 |
| ZINEB | 12122-67-7 | 0.05 | I | | | 19 | | 10 | 4 | | | | 474 | |

¹ Aqueous solubility references are keyed to the numbered list found at § 250.304(f). Where there are multiple sources cited, the table value is the median of the values in the individual references.

Toxicity Value Sources:
C = California EPA Cancer Potency Factor
D = ATSDR Minimal Risk Level
H = Health Effects Assessment Summary Table (HEAST)
I = Integrated Risk Information System (IRIS)
M = EPA Drinking Water Regulations and Health Advisories

N = EPA NCEA Provisional Values
P = EPA Provisional Peer-Reviewed Toxicity Value
S = surrogate
T = TEH
TE = TERA ITER Peer-Reviewed Value
X = EPA Provisional Peer-Reviewed Toxicity Value Appendix

APPENDIX A
 TABLE 5—PHYSICAL AND TOXICOLOGICAL PROPERTIES
 B. Inorganic Regulated Substances

| Regulated Substance | CAS | RfD (mg/kg-d) | | CSF _o (mg/kg-d) ⁻¹ | RfCi (mg/m ³) ⁻¹ | | IUR (µg/m ³) ⁻¹ | | Kd |
|----------------------|------------------|----------------------|----------|---|--|---|---|-----------|-----------|
| | | | | | | | | | |
| ALUMINUM | 7429-90-5 | 1 | P | | 0.005 | P | | | 9.9 |
| ANTIMONY | 7440-36-0 | 0.0004 | I | | | | | | 45 |
| ARSENIC | 7440-38-2 | 0.0003 | I | 1.5 | 0.000015 | C | 0.0043 | I | 29 |
| BARIUM AND COMPOUNDS | 7440-39-3 | 0.2 | I | | 0.0005 | H | | | 41 |
| BERYLLIUM | 7440-41-7 | 0.002 | I | | 0.00002 | I | 0.0024 | I | 790 |
| BORON AND COMPOUNDS | 7440-42-8 | 0.2 | I | | 0.02 | H | | | 3 |
| CADMIUM | 7440-43-9 | 0.0005 | I | | 0.00001 | D | 0.0018 | I | 75 |
| CHROMIUM III | 16065-83-1 | 1.5 | I | | | | | | 1,800,000 |
| CHROMIUM VI | 18540-29-9 | 0.003 | I | | 0.000008 | I | 0.084 | I | 19 |
| COBALT | 7440-48-4 | 0.0003 | P | | 0.000006 | P | 0.009 | P | 45 |
| COPPER | 7440-50-8 | 0.037 | H | | | | | | 430 |
| CYANIDE, FREE | 57-12-5 | [0.02] 0.0006 | I | | | | | | 9.9 |
| FLUORIDE | 16984-48-8 | 0.04 | C | | 0.013 | C | | | |
| IRON | 7439-89-6 | 0.7 | P | | | | | | 25 |
| LEAD | 7439-92-1 | | | 0.0085 | C | | 0.000012 | C | 900 |
| LITHIUM | 7439-93-2 | 0.002 | P | | | | | | 300 |
| MANGANESE | 7439-96-5 | 0.047 | I | | 0.00005 | I | | | 65 |
| MERCURY | 7439-97-6 | 0.00016 | C | | 0.0003 | I | | | 52 |
| MOLYBDENUM | 7439-98-7 | 0.005 | I | | | | | | 20 |
| NICKEL | 7440-02-0 | 0.02 | I | | 0.00009 | D | 0.00024 | [Is] S | 65 |
| NITRATE NITROGEN | 14797-55-8 | 1.6 | I | | | | | | |
| NITRITE NITROGEN | 14797-65-0 | 0.1 | I | | | | | | |
| PERCHLORATE | 7790-98-9 | 0.0007 | I | | | | | | 0 |
| SELENIUM | 7782-49-2 | 0.005 | I | | 0.02 | C | | | 5 |
| SILVER | 7440-22-4 | 0.005 | I | | | | | | 8.3 |
| STRONTIUM | 7440-24-6 | 0.06 | I | | | | | | |
| THALLIUM | 7440-28-0 | [0.00007] 0.00001 | [I] X | | | | | | 71 |
| TIN | 7440-31-5 | 0.6 | H | | | | | | 250 |
| VANADIUM | 7440-62-2 | [0.007] 0.00007 | [H] P | | 0.0001 | D | | | 1,000 |
| ZINC | 7440-66-6 | 0.3 | I | | | | | | 62 |

Toxicity Value Sources:

C = California EPA Cancer Potency Factor

D = ATSDR Minimal Risk Level

H = Health Effects Assessment Summary Table (HEAST)

I = Integrated Risk Information System (IRIS)

P = EPA Provisional Peer-Reviewed Toxicity Value

[s = surrogate] S = Surrogate

X = EPA Provisional Peer-Reviewed Toxicity Value Appendix

APPENDIX A
TABLE 6—THRESHOLD OF REGULATION COMPOUNDS

| REGULATED SUBSTANCE | CASRN | ALL AQUIFER GROUNDWATER MSC (µg/L) | Residential Soil MSC (mg/kg) 0-15 feet | Non-Residential Soil MSCs | | Soil to Groundwater ¹ (mg/kg) |
|--|------------|---|---|-------------------------------------|---|--|
| | | | | Surface Soil (mg/kg) 0-2 feet | Subsurface Soil (mg/kg) 2-15 feet | |
| ACETIC ACID | 64-19-7 | 5 | 100 | 100 | 100 | 0.5 |
| ACETIC ANHYDRIDE | 108-24-7 | 5 | 100 | 100 | 100 | 0.5 |
| AMYL ACETATE, N- | 628-63-7 | 5 | 100 | 100 | 100 | 0.5 |
| AMYL ACETATE, SEC- | 626-38-0 | 5 | 100 | 100 | 100 | 0.5 |
| ANTU (ALPHA-NAPHTHYLTHIOUREA) | 86-88-4 | 5 | 100 | 100 | 100 | 0.5 |
| [AZINPHOS-METHYL (GUTHION)] | [86-50-0] | [5] | [100] | [100] | [100] | [0.5] |
| BHC, DELTA | 319-86-8 | 5 | 100 | 100 | 100 | 0.5 |
| [BIS(2-CHLOROETHOXY)METHANE] | [111-91-1] | [5] | [100] | [100] | [100] | [0.5] |
| BROMOPHENYL PHENYL ETHER, 4- | 101-55-3 | 5 | 100 | 100 | 100 | 0.5 |
| BUTYL ACETATE, N- | 123-86-4 | 5 | 100 | 100 | 100 | 0.5 |
| BUTYL ACETATE, SEC- | 105-46-4 | 5 | 100 | 100 | 100 | 0.5 |
| BUTYL ACETATE, TERT- | 540-88-5 | 5 | 100 | 100 | 100 | 0.5 |
| BUTYLAMINE, N- | 109-73-9 | 5 | 100 | 100 | 100 | 0.5 |
| CALCIUM CHROMATE | 13765-19-0 | 5 | 100 | 100 | 100 | 0.5 |
| CALCIUM CYANAMIDE | 156-62-7 | 5 | 100 | 100 | 100 | 0.5 |
| CARBONYL FLUORIDE | 353-50-4 | 5 | 100 | 100 | 100 | 0.5 |
| CATECHOL | 120-80-9 | 5 | 100 | 100 | 100 | 0.5 |
| [CHLOROACETALDEHYDE] | [107-20-0] | [5] | [100] | [100] | [100] | [0.5] |
| CHLOROETHYL VINYL ETHER, 2- | 110-75-8 | 5 | 100 | 100 | 100 | 0.5 |
| CHLOROPHENYL PHENYL ETHER, 4- | 7005-72-3 | 5 | 100 | 100 | 100 | 0.5 |
| DECABORANE | 17702-41-9 | 5 | 100 | 100 | 100 | 0.5 |
| [DIETHANOLAMINE] | [111-42-2] | [5] | [100] | [100] | [100] | [0.5] |
| DIETHYLAMINE | 109-89-7 | 5 | 100 | 100 | 100 | 0.5 |
| DIGLYCIDYL ETHER (DGE) | 7/5/2238 | 5 | 100 | 100 | 100 | 0.5 |
| DIMETHYL PHTHALATE | 131-11-3 | 5 | 100 | 100 | 100 | 0.5 |
| DIMETHYL SULFATE | 77-78-1 | 5 | 100 | 100 | 100 | 0.5 |
| DIMETHYLPHENETHYLAMINE, ALPHA, ALPHA- | 122-09-8 | 5 | 100 | 100 | 100 | 0.5 |
| DIOXATHION | 78-34-2 | 5 | 100 | 100 | 100 | 0.5 |
| ETHYL METHANESULFONATE | 62-50-0 | 5 | 100 | 100 | 100 | 0.5 |
| ETHYLAMINE | 75-04-7 | 5 | 100 | 100 | 100 | 0.5 |
| ETHYLENE CHLORHYDRIN | 107-07-3 | 5 | 100 | 100 | 100 | 0.5 |
| FAMPHUR | 52-85-7 | 5 | 100 | 100 | 100 | 0.5 |

APPENDIX A
TABLE 6—THRESHOLD OF REGULATION COMPOUNDS

| REGULATED SUBSTANCE | CASRN | ALL AQUIFER GROUNDWATER MSC (µg/L) | Residential Soil MSC (mg/kg) 0-15 feet | Non-Residential Soil MSCs | | Soil to Groundwater ^l (mg/kg) |
|--|-------------------|---|---|-------------------------------------|---|--|
| | | | | Surface Soil (mg/kg) 0-2 feet | Subsurface Soil (mg/kg) 2-15 feet | |
| FENSULFOTHION | 115-90-2 | 5 | 100 | 100 | 100 | 0.5 |
| HEXACHLOROPROPENE | 1888-71-7 | 5 | 100 | 100 | 100 | 0.5 |
| IODOMETHANE | 74-88-4 | 5 | 100 | 100 | 100 | 0.5 |
| ISOAMYL ACETATE | 123-92-2 | 5 | 100 | 100 | 100 | 0.5 |
| ISOBUTYL ACETATE | 110-19-0 | 5 | 100 | 100 | 100 | 0.5 |
| ISODRIN | 465-73-6 | 5 | 100 | 100 | 100 | 0.5 |
| ISOPHORONE DIISOCYANATE | 4098-71-9 | 5 | 100 | 100 | 100 | 0.5 |
| ISOSAFROLE | 120-58-1 | 5 | 100 | 100 | 100 | 0.5 |
| LITHIUM HYDRIDE | 7580-67-8 | 5 | 100 | 100 | 100 | 0.5 |
| MANGANESE CYCLOPENTADIENYL TRICARBONYL | 12079-65-1 | 5 | 100 | 100 | 100 | 0.5 |
| [METHYL HYDRAZINE] | [60-34-4] | [5] | [100] | [100] | [100] | [0.5] |
| METHYL ISOAMYL KETONE | 110-12-3 | 5 | 100 | 100 | 100 | 0.5 |
| [METHYL ISOCYANATE] | [624-83-9] | [5] | [100] | [100] | [100] | [0.5] |
| METHYL MERCAPTAN | 74-93-1 | 5 | 100 | 100 | 100 | 0.5 |
| METHYLAMINE | 74-89-5 | 5 | 100 | 100 | 100 | 0.5 |
| MEVINPHOS | 7786-34-7 | 5 | 100 | 100 | 100 | 0.5 |
| MONOCROTOPHOS | 6923-22-4 | 5 | 100 | 100 | 100 | 0.5 |
| NAPHTHOQUINONE, 1,4- | 130-15-4 | 5 | 100 | 100 | 100 | 0.5 |
| NITRIC ACID | 7697-37-2 | 5 | 100 | 100 | 100 | 0.5 |
| NITROQUINOLINE-1-OXIDE, 4- | 56-57-5 | 5 | 100 | 100 | 100 | 0.5 |
| OSMIUM TETROXIDE | 20816-12-0 | 5 | 100 | 100 | 100 | 0.5 |
| PENTABORANE | 19624-22-7 | 5 | 100 | 100 | 100 | 0.5 |
| [PENTACHLOROETHANE] | [76-01-7] | [5] | [100] | [100] | [100] | [0.5] |
| PERCHLOROMETHYL MERCAPTAN | 594-42-3 | 5 | 100 | 100 | 100 | 0.5 |
| PICOLINE, 2- | 109-06-8 | 5 | 100 | 100 | 100 | 0.5 |
| PROPANOL, 1- | 71-23-8 | 5 | 100 | 100 | 100 | 0.5 |
| [PROPANOL, 2- (ISOPROPYLALCOHOL)] | [67-63-0] | [5] | [100] | [100] | [100] | [0.5] |
| PROPIONIC ACID | 79-09-4 | 5 | 100 | 100 | 100 | 0.5 |
| PROPIONITRILE (ETHYL CYANIDE) | 107-12-0 | 5 | 100 | 100 | 100 | 0.5 |
| PROPYLENE IMINE | 75-55-8 | 5 | 100 | 100 | 100 | 0.5 |
| PYRETHRUM | 8003-34-7 | 5 | 100 | 100 | 100 | 0.5 |
| QUINONE (p-BENZOQUINONE) | 106-51-4 | 5 | 100 | 100 | 100 | 0.5 |

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TABLE 6—THRESHOLD OF REGULATION COMPOUNDS

| REGULATED SUBSTANCE | CASRN | ALL AQUIFER GROUNDWATER MSC (µg/L) | Residential Soil MSC (mg/kg) 0-15 feet | Non-Residential Soil MSCs | | Soil to Groundwater ¹ (mg/kg) |
|----------------------------------|------------|---|---|-------------------------------------|---|--|
| | | | | Surface Soil (mg/kg) 0-2 feet | Subsurface Soil (mg/kg) 2-15 feet | |
| SELENIUM HEXAFLUORIDE | 7783-79-1 | 5 | 100 | 100 | 100 | 0.5 |
| SODIUM BISULFITE | 7631-90-5 | 5 | 100 | 100 | 100 | 0.5 |
| SULFIDE | 18496-25-8 | 5 | 100 | 100 | 100 | 0.5 |
| SULFUR MONOCHLORIDE | 10025-67-9 | 5 | 100 | 100 | 100 | 0.5 |
| SULFURIC ACID | 7664-93-9 | 5 | 100 | 100 | 100 | 0.5 |
| TELLURIUM | 13494-80-9 | 5 | 100 | 100 | 100 | 0.5 |
| TELLURIUM HEXAFLUORIDE | 7783-80-4 | 5 | 100 | 100 | 100 | 0.5 |
| TEPP (TETRAETHYL PYROPHOSPHATE) | 107-49-3 | 5 | 100 | 100 | 100 | 0.5 |
| TETRANITROMETHANE | 509-14-8 | 5 | 100 | 100 | 100 | 0.5 |
| THIONAZIN | 297-97-2 | 5 | 100 | 100 | 100 | 0.5 |
| TRIETHYLPHOSPHOROTHIOATE, O,O,O- | 126-68-1 | 5 | 100 | 100 | 100 | 0.5 |

¹ The value in the table is 100 times the groundwater MSC.

The option to use the SPLP is also available to calculate the soil to groundwater numeric value. (See §250.310.)