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# PENNSYLVANIA BULLETIN

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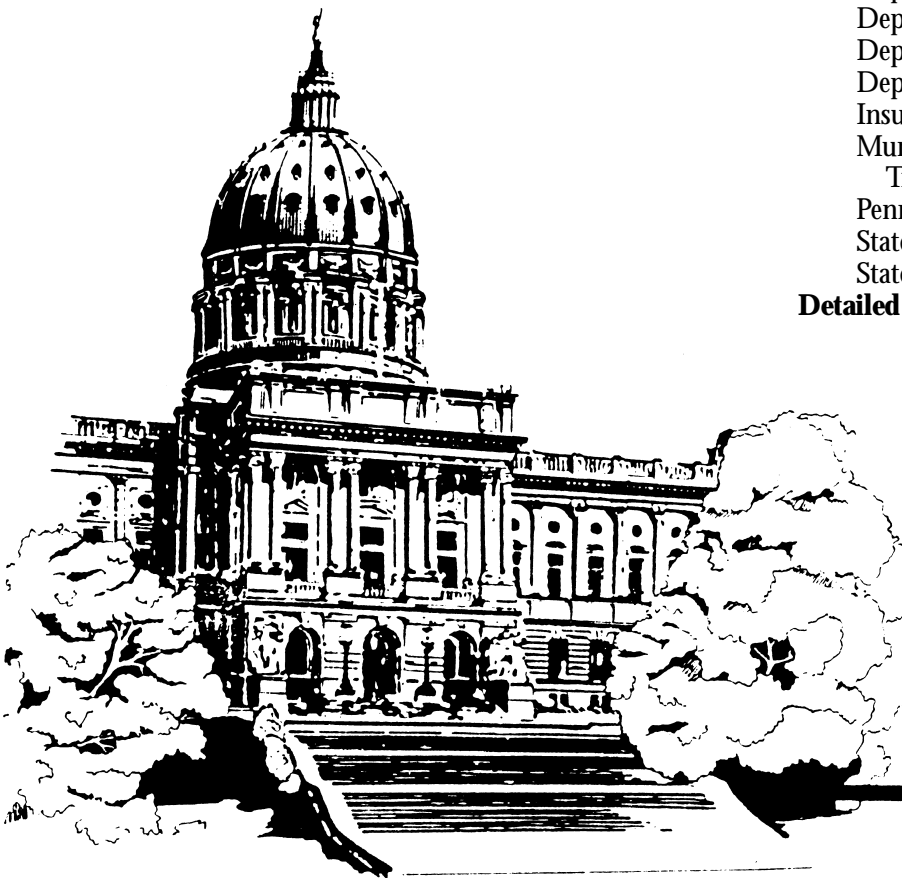
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the Department of Education's  
Academic Standards and Assessment

## Part I

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Resources  
Department of Environmental Protection  
Department of General Services  
Department of Labor and Industry  
Department of Transportation  
Insurance Department  
Municipal Police Officers' Education and  
Training Commission  
Pennsylvania Public Utility Commission  
State Board of Education  
State Police

**Detailed list of contents appears inside.**



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**No. 338, January 2003**

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# READER'S GUIDE TO THE PENNSYLVANIA BULLETIN AND PENNSYLVANIA CODE

## *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 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 where the agency may omit the proposal step; they 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, they must re-propose.

### **Citation to the *Pennsylvania Bulletin***

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

### ***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* contains, as Finding Aids, subject indexes for the complete *Code* and for each individual title, a list of Statutes Used As Authority for Adopting Rules and a list of annotated cases. 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*.

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.

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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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## List of Pa. Code Chapters Affected

The following numerical guide is a list of the chapters of each title of the *Pennsylvania Code* affected by documents published in the *Pennsylvania Bulletin* during 2003.

<b>4 Pa. Code (Administration)</b>	<b>49 Pa. Code (Professional and Vocational Standards)</b>
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# THE COURTS

## Title 225—RULES OF EVIDENCE

[225 PA. CODE ART. IV]

### Subsequent Remedial Measures

The Committee on Rules of Evidence is planning to recommend that the Supreme Court of Pennsylvania amend Rule of Evidence 407 and approve the revision of the Comment to Rule of Evidence 407. These changes are being proposed to update the Pennsylvania Rules of Evidence in view of the Opinion of the Supreme Court of Pennsylvania in *Duchess v. Langston Corp.* 769 A.2d 1131 (Pa. 2001).

The Committee proposes this amendment and Comment revision to Pa.R.E. 407 to provide that the rule applies to strict liability actions. Conflicting opinions over the years left open and unresolved the issue now covered by the proposed amended rule.

This proposal has not been submitted for review by the Supreme Court of Pennsylvania.

The following explanatory Report highlights the Committee's considerations in formulating this proposal. Please note that the Committee's Reports should not be confused with the official Committee Comments to the rules. Also note that the Supreme Court does not adopt the Committee's Comments or the contents of the explanatory Report.

The text of the proposed rule changes precedes the Report. Additions are shown in bold, and deletions are in bold and brackets.

We request that interested persons submit suggestions, comments, or objections concerning this proposal to the Committee through counsel,

Richard L. Kearns  
Staff Counsel  
Supreme Court of Pennsylvania  
Committee on Rules of Evidence  
5035 Ritter Road Suite 800  
Mechanicsburg, PA 17055

no later than February 20, 2003.

By the Committee on Rules of Evidence

CHARLES B. GIBBONS,  
Chair

#### Annex A

#### TITLE 225. RULES OF EVIDENCE

#### ARTICLE IV. RELEVANCY AND ITS LIMITS

#### Rule 407. Subsequent Remedial Measures.

When, after an **injury or harm allegedly caused by** an event, measures are taken which, if taken previously, would have made the [event] **injury or harm** less likely to occur, evidence of the subsequent measures is not admissible to prove that the party who took the measures was negligent or engaged in culpable conduct [in connection with the event], or **produced, sold, designed, or manufactured a product with a defect or a need for a warning or instruction.** This rule does not require the exclusion of evidence of subsequent measures when offered for impeachment, or to prove

other [controverted] matters, if **controverted**, such as ownership, control, or feasibility of precautionary measures.

#### Comment—2002

Pa.R.E. 407 is [consistent with Pennsylvania law] substantially the same as F.R.E. 407. [It restates the traditional Pennsylvania doctrine that evidence of subsequent remedial measures is not admissible to prove fault or negligence. See *Baran v. Reading Iron Co.*, 202 Pa. 274, 51 A. 979 (1902).] The wording has been modified in order to clarify two ambiguities in the federal formulation.

[Pa.R.E. 407 differs from F.R.E. 407 in several ways. First, F.R.E. 407 provides that evidence of subsequent measures is not admissible to prove "a defect in a product, a defect in a product's design, or a need for a warning or instruction." Pa.R.E. 407 is silent on the issue whether it excludes subsequent remedial measures when offered to prove a defect in strict products liability. The Pennsylvania Superior Court has issued partially conflicting decisions on whether subsequent remedial measures are admissible to prove defect in strict products liability cases. Compare *Matsko v. Harley Davidson Motor Co., Inc.*, 325 Pa. Super. 452, 473 A.2d 155 (1984) (proof of recall admitted to prove defect) (2-1 split opinion), with *Connelly v. Roper Corp.*, 404 Pa. Super. 67, 590 A.2d 11 (1991) (post-sale design changes not admissible to prove design defect) (2-1 split opinion); *Dunkle v. West Penn Power Co.*, 400 Pa. Super. 334, 583 A.2d 814 (1990) (post-sale safety standard not admissible to prove defective design or inadequate warning where no recall required); and *Gottfried v. American Can Co.*, 339 Pa. Super. 403, 489 A.2d 222 (1985) (post-sale design changes not admissible to prove design defect). Pa.R.E. 407 allows the Pennsylvania courts to continue to develop the law in this area, leaving the Supreme Court of Pennsylvania free to decide this matter in the context of a case or controversy.

Pa.R.E. 407 makes clear in the first sentence that the rule of exclusion operates only in favor of a party who took the subsequent remedial measures. F.R.E. 407 is silent as to whether there is any restriction on the actor who must have taken the subsequent remedial measure for the rule to preclude admissibility of such evidence. The majority of federal courts have held that the rule does not apply when one other than the allegedly liable party takes the action because the reason for the rule (to encourage remedial measures) is not implicated. See, e.g., *TLT-Babcock, Inc. v. Emerson Electric Co.*, 33 F.3d 397 (4th Cir. 1994) (collecting cases). Pa.R.E. 407 does not, however, address whether measures taken by another party are admissible against a party that did not take the measures.

Regardless of Pa.R.E. 407, evidence of subsequent remedial measures is not admissible unless it satisfies the standards of Pa.R.E. 401, 402, and 403.

The last sentence of Pa.R.E. 407 differs from F.R.E. 407 to make clear that, when subsequent remedial measures are offered to prove issues such as ownership, control or feasibility of precautionary measures, those issues must be controverted.]



The first sentence of Pa.R.E. 407 makes clear that the rule of exclusion favors only the party who took the subsequent remedial measures. Though F.R.E. 407 is silent on the point, the courts have generally held that the federal rule does not apply when one other than the alleged tortfeasor takes the action because the reason for the rule (to encourage remedial measures) is not then implicated. See, e.g., *TLT-Babcock, Inc. v. Emerson Electric Co.*, 33 F.3d 397, 400 (4th Cir. 1994) (collecting cases).

The last sentence of Pa.R.E. 407 makes clear that the rule's exception for evidence that is offered to prove matters such as ownership, control, or feasibility of precautionary measures, applies only when those issues are controverted. Though the federal rule, as worded, can be construed to mean that only feasibility need be controverted, the cases have generally interpreted it to mean that any issue for which evidence is admitted under the rule's exception must be controverted. See, e.g., *Hall v. American Steamship Co.*, 688 F.2d 1062, 1066-67 (6<sup>th</sup> Cir. 1982); *Hull v. Chevron U.S.A., Inc.*, 812 F.2d 584, 586-87 (10th Cir. 1987).

*Duchess v. Langston Corp.*, 564 Pa. 529, 769 A.2d 1131 (2001), is a case dealing with the admissibility of evidence of subsequent remedial measures in a strict product liability case, and, in particular, the applicability of exceptions to the rule of exclusion when the evidence is offered to prove feasibility of precautionary measures, or to impeach the credibility of a witness.

The original wording of Pa.R.E. 407 applied to negligence cases, but, like the original wording of F.R.E. 407, left open whether it applied to strict product liability cases. In *Duchess v. Langston Corp.*, 564 Pa. 529, 769 A.2d 1131 (2001), the Supreme Court held that it did. The rule was amended to make this clear.

**Official Note:** Adopted September 11, 1998, effective October 1, 1998; Comment revised \_\_\_\_\_, effective \_\_\_\_\_.

**Committee Explanatory Reports:**

Report explaining the proposed revision of the Comment published at 33 Pa.B. 198 (January 11, 2003).

**REPORT**

*Proposed Amendment and Revision of the Comment to Pa.R.E. 407*

**SUBSEQUENT REMEDIAL ACTIONS**

The Committee is proposing amendments to Rules of Evidence 407 (Subsequent Remedial Measures). These changes update the rule in view of the recent opinion of the Supreme Court of Pennsylvania in *Duchess v. Langston Corp.*, 769 A.2d 1131 (Pa. 2001).

At common law, evidence of subsequent remedial measures was not admissible to prove fault or negligence. Left open was the question whether or not Rule 407 applied to strict liability cases. The Supreme Court in *Duchess v. Langston Corp.*, 769 A.2d 1131 (Pa. 2001), held that it did, leading to the proposed amendment to Rule 407.

In this amendment, the Committee proposes some rewording. The rule of exclusion operates only in favor of the party who took the subsequent remedial measures.

This is done to make clear that there may be instances in which the rule of exclusion would not apply.

The rule, thus amended, reflects the holding of the Supreme Court in the *Duchess* case, and the Comment is being revised to emphasize that Pa.R.E. 407 is now substantially the same as F.R.E. 407.

[Pa.B. Doc. No. 03-53. Filed for public inspection January 10, 2003, 9:00 a.m.]

**[225 PA. CODE ART. VII]**

**Bases of Opinion Testimony by Experts**

The Committee on Rules of Evidence is planning to recommend that the Supreme Court of Pennsylvania approve the revision of the Comment to Rule of Evidence 703. This Comment revision is being proposed to alert the bench and bar that Pa.R.E. 703 no longer is identical to F.R.E. 703.

This proposal has not been submitted for review by the Supreme Court of Pennsylvania.

The following explanatory Report highlights the Committee's considerations in formulating this proposal. Please note that the Committee's Reports should not be confused with the official Committee Comments to the rules. Also note that the Supreme Court does not adopt the Committee's Comments or the contents of the explanatory Report.

The text of the proposed Comment changes precedes the Report. Additions are shown in bold, and deletions are in bold and brackets.

We request that interested persons submit suggestions, comments, or objections concerning this proposal to the Committee through counsel,

Richard L. Kearns  
Staff Counsel  
Supreme Court of Pennsylvania  
Committee on Rules of Evidence  
5035 Ritter Road Suite 800  
Mechanicsburg, PA 17055

no later than February 20, 2003.

*By the Committee on Rules of Evidence*

CHARLES B. GIBBONS,  
*Chair*

**Annex A**

**TITLE 225. RULES OF EVIDENCE  
ARTICLE VII. OPINIONS AND EXPERT  
TESTIMONY**

**Rule 703. Bases of Opinion Testimony by Experts.**

\* \* \* \* \*

**Comment**

**[Pa.R.E. 703 is identical to F.R.E. 703 and is consistent with Pennsylvania law.**

**Historically, Pennsylvania courts limited the facts or data upon which an expert could base an opinion to those obtained from firsthand knowledge or from the trial record. See *Collins v. Hand*, 431 Pa. 378, 246 A.2d 398 (1968). Beginning in 1971 with *Commonwealth v. Thomas*, 444 Pa. 436, 282 A.2d 693 (1971), Pennsylvania courts have endorsed and expanded the principle that experts may base their**

opinions on evidence which is otherwise inadmissible if the evidence is of a type reasonably relied upon by experts in the particular field. See *Commonwealth v. Daniels*, 480 Pa. 340, 390 A.2d 172 (1978); *Commonwealth v. Bowser*, 425 Pa. Super. 24, 624 A.2d 125 (1993); *In Re Glosser Bros., Inc.*, 382 Pa. Super. 177, 555 A.2d 129 (1989); *Bolus v. United Penn Bank*, 363 Pa. Super. 247, 525 A.2d 1215 (1987). If it be feared that enlargement of permissible data may tend to break down the rules of exclusion unduly, notice should be taken that the rule requires that the facts or data be "of a type reasonably relied upon by experts in the particular field." See F.R.E. 702 advisory committee notes. Whether evidence is reasonably relied upon by the expert is a preliminary question for determination by the trial court under Pa.R.E. 104.

When an expert testifies about the underlying facts and data that support the expert's opinion and the testimony would be otherwise inadmissible, the trial court should instruct the jury to consider the testimony only to explain the basis for the expert's opinion, and not as substantive evidence. Compare Pa.R.E. 105.

An expert's testimony is inadmissible if the opinion is not the opinion of the expert testifying, but rather a recitation or reaction to an opinion given by an expert who does not testify. See *Primavera v. Celotex Corp.*, 415 Pa. Super. 41, 608 A.2d 515 (1992). ]

Pa.R.E. 703 differs from F.R.E. 703 as discussed below. Pa.R.E. 703 is consistent with prior Pennsylvania case law.

F.R.E. 703 was amended on December 1, 2000, to add a balancing test that tilts against disclosure to a jury of otherwise inadmissible facts or data upon which an expert witness bases his or her opinion. In Pennsylvania, however, Pa.R.E. 705 requires an expert witness to testify as to the facts or data upon which the witness's opinion is based, whether or not the facts or data would otherwise be admissible in evidence.

Historically, Pennsylvania courts limited the facts or data upon which an expert could base an opinion to those obtained from firsthand knowledge, or from substantive evidence admitted at trial. See, e.g. *Collins v. Hand*, 431 Pa. 378, 246 A.2d 398 (1968); *Murray v. Siegal*, 413 Pa. 23, 195 A.2d 790 (1963). In the case of *Commonwealth v. Thomas*, 444 Pa. 436, 282 A.2d 693 (1971), the Pennsylvania Supreme Court adopted a rule that allows a medical expert witness to offer an opinion that is based, in part, on otherwise inadmissible hearsay, if it is of a type that is customarily relied on by the expert in the practice of the expert's profession.

Later case law expanded the evidential ruling in the *Thomas* case to various non-medical expert witnesses. See, e.g., *Steinhauer v. Wilson*, 336 Pa. Super. 155, 485 A.2d 477 (1984) (expert on construction costs); *Maravich v. Aetna Life & Casualty Co.*, 350 Pa. Super. 392, 504 A.2d 477 (1986) (fire marshal); *Kearns v. DeHaas*, 377 Pa. Super. 392, 546 A.2d 1226 (1988) (vocational expert); *In re Glosser Bros.*, 382 Pa. Super. 177, 555 A.2d 129 (1989) (tax accountant); *Commonwealth v. Bowser*, 425 Pa. Super. 24, 624 A.2d 125 (1993) (accident reconstruction expert).

Pa.R.E. 703 requires that the facts or data upon which an expert witness bases an opinion be "of a

type reasonably relied upon by experts in the particular field..." Whether the facts or data satisfy this requirement is a preliminary question to be determined by the trial court under Pa.R.E. 104(a). If an expert witness relies on novel scientific evidence, Pa. R.C.P. No. 207.1 sets forth the procedure for objecting, by pretrial motion, on the ground that the testimony is inadmissible under Pa.R.E. 702, or Pa.R.E. 703, or both.

When an expert testifies about the underlying facts and data that support the expert's opinion and the testimony would be otherwise inadmissible, the trial court should instruct the jury to consider the testimony only to explain the basis for the expert's opinion, and not as substantive evidence. Compare Pa.R.E. 105.

An expert witness cannot be a mere conduit for the opinion of another. Cases hold that it is error for an expert witness to relate the opinion of a non-testifying expert unless the witness has reasonably relied upon it, in part, in forming the witness's own opinion. See, e.g., *Foster v. McKeesport Hospital*, 260 Pa. Super. 485, 394 A.2d 1031 (1978); *Allen v. Kaplan*, 439 Pa. Super. 263, 653 A.2d 1249 (1995).

**Official Note:** Adopted September 11, 1998, effective October 1, 1998; Comment revised \_\_\_\_\_, effective \_\_\_\_\_.

#### **Committee Explanatory Reports:**

Report explaining the proposed revision of the Comment published at 33 Pa.B. 199 (January 11, 2003).

#### **REPORT**

##### *Proposed Revision of the Comment to Pa.R.E. 703*

#### COMMENT CHANGES CORRESPONDING TO THE RECENT AMENDMENTS TO THE FEDERAL RULES OF EVIDENCE

The Committee on Rules of Evidence is planning to recommend that the Supreme Court of Pennsylvania approve the revision of the Comment to Pa.R.E. 703. This Comment revision is being proposed to alert the bench and bar that Pa.R.E. 703 is no longer identical to F.R.E. 703.

Since December 1, 2000, when F.R.E. 703 was amended, Pa.R.E. 703 is no longer identical to F.R.E. 703 as currently stated in the Comment. The Committee is proposing the Comment be revised to correct this, and to point out that inadmissible facts and data upon which an expert relies are less likely to be disclosed to the jury under F.R.E. 703 than under Pa.R.E. 703 because the balancing test tilts against disclosure under the federal rule.

The Evidence Committee took this opportunity to call attention to Pa.R.C.P. No. 207.1 which covers procedure for pre-trial objection to expert opinion based on novel scientific evidence.

Case law is updated reflecting the pre-rule cases upon which Pa.R.E. 703 is based. The Comment revision as proposed substantially rewrites the original Comment to Pa.R.E. 703.

[Pa.B. Doc. No. 03-54. Filed for public inspection January 10, 2003, 9:00 a.m.]

# Title 255—LOCAL COURT RULES

## YORK COUNTY

### Fee Bill for the Office of the Register of Wills and the Office of the Clerk of the Orphans' Court Division of the Court of Common Pleas; No. 67-2001-0007; 2002-MI-00442

#### Administrative Order

*And Now*, to wit, this 16th day of December, 2002, pursuant to the provisions of 42 P. S. § 21022.1 and 42 P. S. § 21032.1, the fee bill of the Register of Wills of York County, Pennsylvania, and the fee bill of the Clerk of the Orphans' Court Division of the Court of Common Pleas of York County, Pennsylvania, is amended to increase the fees as set forth in the Petition. The revised and amended fee bills shall be effective the 1st day of January, 2003.

*By the Court*

JOHN H. CHRONISTER,  
*President Judge*

[Pa.B. Doc. No. 03-55. Filed for public inspection January 10, 2003, 9:00 a.m.]

### Petition for Administrative Order to Adopt a Fee Bill for the Register of Wills and to Adopt a Fee Bill for the Clerk of the Orphans' Court Division of the Court of Common Pleas; No. 67-2001-0007

*And Now*, to wit, this 16th day of December, 2002, comes Bradley C. Jacobs, Register of Wills of York County, Pennsylvania, and Clerk of the Orphans' Court Division of the Court of Common Pleas of York County, Pennsylvania, by his Solicitor, John C. Herrold, Esquire, and files his Petition for an Administrative Order as follows:

1. Your Petitioner, Bradley C. Jacobs, is the duly elected Register of Wills of York County, Pennsylvania, and the Clerk of the Orphans' Court Division of the Court of Common Pleas of York County, Pennsylvania, with offices at the York County Court House, 28 East Market Street York, Pennsylvania.

2. This Petition is filed pursuant to 42 P. S. § 21022.1, which authorizes the President Judge and the Register of Wills to establish, increase, decrease, modify or eliminate fees for the Office of the Register of Wills.

3. This Petition is also filed pursuant to 42 P. S. § 21032.1, which authorizes the President Judge and the Clerk of the Orphans' Court Division to establish, increase, decrease, modify or eliminate fees for the Office of the Clerk of the Orphans' Court.

4. The proposed fee bill for the Register of Wills of York County and the Clerk of the Orphans' Court Division of the Court of Common Pleas of York County, Pennsylvania, which fee bill will become effective the 1st day of January, 2003, as incorporated herein follows.

5. The fees charged by the Register of Wills of York County, Pennsylvania, are being increased as follows:

A) Fees for filing, advertising and adjudication of accounts of personal representatives are increased from Forty (\$40.00) for each additional One Hundred Thousand

(\$100,000.00) Dollars to Seventy-five (\$75.00) for each additional One Hundred Thousand (\$100,000.00) Dollars or fraction thereof.

B) Fees for letters of administration or letters testamentary are increased from Forty (\$40.00) Dollars to Seventy-five (\$75.00) Dollars for each additional One Hundred Thousand (\$100,000.00) Dollars or fraction thereof over the initial One Hundred Thousand (\$100,000.00) Dollar value of the estate.

C) The fee for the certification under an Act of Congress is increased from Ten (\$10.00) Dollars to Twenty (\$20.00) Dollars.

D) The fee for the filing of a petition for a citation and issuing a citation for one (1) respondent is increased from Twenty-five (\$25.00) Dollars to Thirty (\$30.00) Dollars.

E) The fee for filing miscellaneous petitions is established at Thirty (\$30.00) Dollars.

6. The fees charged by the Clerk of the Orphans' Court of the Court of Common Pleas of York County, Pennsylvania, are being increased as follows:

A) Fees for filing, advertising and adjudication of accounts of personal representatives are increased from Forty (\$40.00) for each additional One Hundred Thousand (\$100,000.00) Dollars to Seventy-five (\$75.00) for each additional One Hundred Thousand (\$100,000.00) Dollars or fraction thereof.

B) The fee for the certification under an Act of Congress is increased from Ten (\$10.00) Dollars to Twenty (\$20.00) Dollars.

C) The fee for the filing of a petition for a citation and issuing a citation for one (1) respondent is increased from Twenty-five (\$25.00) Dollars to Thirty (\$30.00) Dollars.

D) The fee for filing miscellaneous petitions is increased from Twenty-five (\$25.00) Dollars to Thirty (\$30.00) Dollars.

E) The fee for the filing of a petition, issuing a citation and appointment of a guardian for an incapacitated person is increased from Twenty-five (\$25.00) Dollars to Thirty (\$30.00) Dollars.

F) The fee for the filing of a petition for appointment of guardian for a minor child is increased from Twenty-five (\$25.00) Dollars to Thirty (\$30.00) Dollars per child.

G) The fee for marriage license and affidavits (including tax and automation fee) is increased from Forty (\$40.00) Dollars to Forty-five (\$45.00) Dollars.

H) The fee for marriage waiver (military-free) fee is increased from Ten (\$10.00) Dollars to Twenty (\$20.00) Dollars.

I) The fee for marriage license consent of parents is increased from Two (\$2.00) Dollars to Five (\$5.00) Dollars.

J) The fee for real estate of decedents, sale or mortgage petition is increased from Twenty-five (\$25.00) Dollars to Thirty (\$30.00) Dollars.

K) The fee for a small estate petition (decedents or minors) is increased from Twenty-five (\$25.00) Dollars to Thirty (\$30.00) Dollars.

7. The increase in fees as outlined will bring York County into parity with adjoining counties regarding fees charged by the Register of Wills and the Clerk of the Orphans' Court Division of York County, Pennsylvania.

Wherefore, pursuant to 42 P. S. § 21022.1 and 42 P. S. § 21032.1, your Petitioner, Bradley C. Jacobs, Register of Wills of York County and Clerk of the Orphans' Court Division of the Court of Common Pleas of York County, requests your Honorable Court to enter an Administrative Order adopting the proposed fee bill for the Register of Wills of York County, Pennsylvania and the proposed fee bill for the Clerk of the Orphans' Court Division of the Court of Common Pleas of York County, Pennsylvania.

Respectfully submitted,

Bradley C. Jacobs,  
Register of Wills and  
Clerk of the Orphans'  
Court Division

Griest, Himes, Herrold, Schaumann  
By John C. Herrold,  
Esquire  
Sup. Ct. I.D. No. 18014  
129 East Market Street  
York, Pennsylvania 17401  
Telephone (717) 846-8856  
Attorney for Petitioner

VERIFICATION

I, Bradley C. Jacobs, Register of Wills of York County, Pennsylvania, and Clerk of the Orphans' Court Division of the Court of Common Pleas of York County, Pennsylvania, do hereby certify that the facts contained in the foregoing Petition are correct to the best of my knowledge, information and belief and that I understand that false statements made herein are made subject to penalties of 18 Pa.C.S. § 4904 relating to unsworn falsification to authorities.

Bradley C. Jacobs,  
Register of Wills and  
Clerk of the Orphans' Court

FEE BILL

REGISTER OF WILLS OF YORK COUNTY,  
PENNSYLVANIA

And now, by Order of Court this 16th day of December, 2002, the following bill of costs which includes any Commonwealth tax is established pursuant to 42 P. S. Section 21022.1. This Order is effective the 1st day of January, 2003.

ACCOUNTS

For the filing, advertising and adjudication of the accounts of personal representatives.  
Total debits not over \$2,000 ..... \$ 75.00  
Over \$2,000 but not over \$5,000 ..... 80.00  
Over \$5,000 but not over \$10,000 ..... 85.00  
Over \$10,000 but not over \$25,000 ..... 110.00  
Over \$25,000 but not over \$50,000 ..... 135.00  
Over \$50,000 but not over \$100,000 ..... 165.00  
Each additional \$100,000 or fraction thereof, an additional ..... 75.00

LETTERS OF ADMINISTRATION and  
LETTERS TESTAMENTARY

Total Assets not over \$2,000 ..... \$ 10.00\*\*\*  
Over \$2,000 but not over \$5,000 ..... 30.00\*\*\*  
Over \$5,000 but not over \$10,000 ..... 40.00\*\*\*  
Over \$10,000 but not over \$25,000 ..... 60.00\*\*\*  
Over \$25,000 but not over \$50,000 ..... 75.00\*\*\*  
Over \$50,000 but not over \$100,000 ..... 100.00\*\*\*

Each additional \$100,000 or fraction thereof, an additional ..... 75.00  
Pennsylvania Judicial Computer Project Fee . . . . . 5.00  
Renunciation per page ..... 5.00  
Waiver Fiduciary Bond ..... 5.00

NOTE: Letters d.b.n. or d.b.n.c.t.a. minimum fee will be charged.

NOTE: Where inventory, tax return or account is of greater value than original estimated value for any letters the right is reserved to make an additional charge based upon such greater value.

PROBATE OF WILLS AND CODICILS

Probate and granting letters testamentary or administration c.t.a.—see schedule for letters above.  
Probate without letters same as under each classification above less \$2.00  
Probate of each codicil ..... 10.00

AUTOMATION FEE

Register of Wills ..... 5.00

BOND filing and entering ..... 5.00

CAVEAT filing including bond ..... 10.00

NO PROBATES ACCEPTED WITHOUT DEATH CERTIFICATE

\*\*Pennsylvania Judicial Computer Project Fee  
\*\*\*Register of Wills Automation Fee

Attest:

John C. Uhler  
Orphans' Court Judge

Attest:

Bradley C. Jacobs  
Register of Wills

CERTIFICATION\* ..... 5.00  
CERTIFICATION\* under Act of Congress ..... 20.00

\*Plus \$1.00 per page if copy is not furnished

CERTIFYING RECORD to Orphans' Court upon appeal ..... 10.00

CITATION

Petition and issuing, one respondent ..... 30.00  
Each Additional respondent ..... 5.00

COMMISSION to taken testimony ..... 10.00

COPY or FAX of any filed instrument per page of copy (certification extra) ..... 1.00

EXECUTION OF COMMISSION from other Register of Pennsylvania or foreign jurisdiction ..... 10.00

FOREIGN JURISDICTION'S CERTIFIED OR EXEMPLIFIED COPIES OF LETTERS AND PROCEEDINGS filing and entering

Non resident affidavit re debts ..... 5.00

GENEOLOGICAL RESEARCH per hour or fraction thereof (on a time available basis) .... 10.00

INHERITANCE TAX RETURN .....	10.00
Supp Inheritance Tax Return .....	10.00
(No charge for filing with account)	
(No charge for insolvent Returns)	
Letter protesting tax appraisalment .....	5.00
Certificate of payment .....	10.00
INVENTORY .....	10.00
PA JUDICIAL COMPUTER PROJECT FEE .....	10.00
PETITION (MISCELLANEOUS) .....	30.00
PRAECIPE/JOINDER .....	5.00
SHORT CERTIFICATE .....	5.00
SUBPOENA .....	5.00
REGISTERS HEARING .....	50.00
RETURNED CHECK .....	20.00
MISC. FILINGS .....	10.00

NOTE: In cases not herein specifically provided for, the Register shall make the same charge as that imposed for services of a substantially similar nature. All orders heretofore establishing fee bill for the Register of Wills of York County shall be revoked and superseded as of the effective date hereof.

By the Court:

Honorable John H. Chronister  
President Judge in the Court of Common Pleas  
of York County, Pennsylvania

**FEE BILL**

**CLERK OF ORPHANS' COURT DIVISION OF THE  
COURT OF COMMON PLEAS OF YORK COUNTY,  
PENNSYLVANIA**

And now, by Order of Court this 16th day of December, 2002, the following bill of costs is established pursuant to 42 P. S. Section 21032.1. This Order is effective the 1st day of January, 2003.

**ACCOUNTS**

For the filing, advertising and adjudication of accounts of guardians and trustees	
Total debits not over \$2,000 .....	\$ 75.00
Over \$2,000 but not over \$5,000 .....	80.00
Over \$5,000 but not over \$10,000 .....	85.00
Over \$10,000 but not over \$25,000 .....	110.00
Over \$25,000 but not over \$50,000 .....	135.00
Over \$50,000 but not over \$100,000 .....	165.00
Each additional \$100,000 or fraction thereof, an additional .....	75.00
<b>ADOPTION</b>	
Petition, Certificate and Report of Intermediary .....	30.00***
Voluntary or Involuntary Termination, Confirm Consent .....	10.00***
Costs of Investigation to be determined by the Court under the circumstance in each case.	
Pennsylvania Judicial Computer Project Fee .....	5.00
Report of intent .....	10.00
Act 34 Fund .....	75.00
Certificate of Adoption .....	5.00

AFFIDAVIT .....	2.00
ANSWER .....	10.00
APPEAL to Appellate Court filing fee .....	35.00
<b>AUTOMATION FEE</b>	
Clerk of Orphans' Court .....	5.00
<b>SUPERIOR COURT/SUPREME COURT</b> .....	
<b>BIRTH/DEATH RECORD</b>	
Certificate from original .....	4.00
Delayed registration .....	5.00
CERTIFICATION* .....	5.00
CERTIFICATION* under Act of Congress .....	20.00
*Plus \$1.00 per page if copy is not furnished	
Certificate of Authority .....	2.00
<b>CITATION</b>	
Petition and issuing, one respondent .....	30.00
Each additional respondent .....	5.00
File a claim .....	10.00
CLAIM .....	10.00
Satisfaction or withdrawal .....	5.00
COPY of any instrument, per page of copy (certification extra) .....	
.....	1.00
DISCLAIMER .....	10.00
ELECTION under or against Will .....	10.00
EXCEPTIONS/OBJECTIONS .....	10.00
<b>FAMILY EXEMPTION</b>	
Personalty .....	15.00
Realty (one purpart) .....	20.00
Each additional purpart .....	3.00
Advertising .....	50.00

\*\*Pennsylvania Judicial Computer Project Fee  
\*\*\*Clerk of Orphans' Court Automation Fee

Attest:

John C. Uhler  
Orphans' Court Judge

Attest:

Bradley C. Jacobs  
Clerk of Orphans' Court

**INCAPACITATED ESTATES**

Petition, citation and appointment of guardian .....	\$30.00***
Entry of security .....	10.00
Inventory .....	10.00
Order of Allowance .....	10.00
Petition for Sale .....	25.00

**MINOR'S ESTATE**

Petition for appointment of guardian per child .....	30.00***
Entry of Security .....	10.00
Inventory .....	10.00
Petition for Order of Allowance .....	10.00
Report of guardian ad litem .....	5.00

**MARRIAGE**

WAIVER (Military-Free) .....	20.00
License & Affidavits (including tax & Automation fee) .....	45.00
Consent of parents .....	5.00
Certified copy of license and return of marriage .....	5.00
Certified copy of application .....	5.00

PA JUDICIAL COMPUTER PROJECT FEE ..	10.00
PETITION (MISCELLANEOUS) .....	30.00***
POWER OF ATTORNEY .....	15.00
PRAECIPE/JOINDER .....	5.00
<b>PRESUMED DECEDENT</b>	
Petition and final decree .....	20.00
<b>REAL ESTATE OF DECEDENTS</b>	

SALE OR MORTGAGE .....	30.00**
Execution of deed by Clerk .....	10.00
Approval of security and the entry thereof .	10.00
Excuse from security .....	10.00
Leave to bid at public sale .....	10.00
Decree of confirmation of title .....	10.00
RELEASE, first page .....	5.00
Each additional page .....	1.00
RETURNED CHECK .....	20.00
SHORT CERTIFICATE .....	5.00
SMALL ESTATE (DECEDENTS or MINORS)	30.00**
STIPULATION .....	10.00
SUBPOENA .....	5.00
TRUSTEE	
Petition for appointment .....	25.00**
Entry of security .....	10.00
Report of Trustee and litem .....	10.00
Resignation .....	10.00

NOTE: In cases not herein specifically provided for, the Clerk of Orphans' Court shall make the same charge as that imposed for services of a substantially similar nature. All orders heretofore establishing fee bill for the Clerk of Orphans' Court of York County shall be revoked and superseded as of the effective date hereof.

By the Court:

Honorable John H. Chronister  
*President Judge in the Court of Common Pleas  
of York County, Pennsylvania*

[Pa.B. Doc. No. 03-56. Filed for public inspection January 10, 2003, 9:00 a.m.]

## DISCIPLINARY BOARD OF THE SUPREME COURT

### Notice of Disbarment

Notice is hereby given that Mark Allan Kovler having been disbarred from the practice of law in the State of New York by Order dated July 8, 2002, the Supreme Court of Pennsylvania issued an Order on December 20, 2002, disbaring Mark Allan Kovler from the Bar of this Commonwealth, effective January 19, 2003. In accordance with Rule 217(f), Pa.R.D.E., since this formerly admitted attorney resides outside of the Commonwealth of Pennsylvania, this notice is published in the *Pennsylvania Bulletin*.

ELAINE M. BIXLER,  
*Executive Director and Secretary  
The Disciplinary Board of the  
Supreme Court of Pennsylvania*

[Pa.B. Doc. No. 03-57. Filed for public inspection January 10, 2003, 9:00 a.m.]

# NOTICES

## DEPARTMENT OF AGRICULTURE

### Temporary Order Designating Chronic Wasting Disease a Dangerous Transmissible Disease

The Department of Agriculture (Department) hereby designates Chronic Wasting Disease (CWD) a "dangerous transmissible disease" under authority of section 2322(d) of the Agriculture Code (code) (3 Pa.C.S. § 2322(d)). This designation will facilitate the Department's efforts to detect and contain CWD and will assist this Commonwealth's deer and elk industry in developing control programs for the disease.

CWD is a disease of deer, elk and other cervidae and is a member of the group of diseases known as transmissible spongiform encephalopathies (TSEs). Other, more well known, TSEs are scrapie and bovine spongiform encephalopathy (BSE) or "mad cow" disease. All are thought to be caused by a prion protein that has converted to an abnormal infectious prion protein. There is some evidence, in the case of BSE, that humans may become infected through consumption of meat products containing central nervous system tissues, thus there is a significant public health interest concerning all TSEs.

Recently, several western states instituted import regulations that require deer or elk entering those states be from herds that are participating in a surveillance program and that the state of origin have authority to take action in the event that CWD is diagnosed. To support our deer and elk industry and to keep these markets open, it will be necessary for the Department to assist in the development and oversight of a surveillance program and to take action in the event that a case of CWD is diagnosed. The authority to do so will depend on the designation of CWD as a "dangerous transmissible" disease.

The Department has authority under the Domestic Animal Law (law) (3 Pa.C.S. §§ 2301—2389) to regularly monitor the domestic animal population of this Commonwealth to determine the prevalence, incidence and location of transmissible diseases. The Department has authority under the law to declare a particular disease not contained in the original act to be a "dangerous transmissible" disease through issuance of a temporary order.

This order is a temporary order, as required under section 2322(d) of the code. It is a reissuance of an earlier 1-year temporary order published at 32 Pa.B. 316 (Janu-

ary 19, 2002). This order shall take effect as of January 4, 2003, and shall remain in effect until no later than January 4, 2004. This Department may: (1) reissue this temporary order to extend the designation beyond January 4, 2004; (2) allow this temporary order to expire on January 4, 2004; (3) supplant this temporary order with a formal regulation designating CWD a "dangerous transmissible disease"; or (4) modify this temporary order.

Questions regarding this temporary order may be directed to John I. Enck, Jr., VMD, Director, Bureau of Animal Health and Diagnostic Services, 2301 North Cameron Street, Harrisburg, PA 17110-9408, (717) 783-6677.

SAMUEL E. HAYES, Jr.,  
*Secretary*

[Pa.B. Doc. No. 03-58. Filed for public inspection January 10, 2003, 9:00 a.m.]

## DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

### Conservation and Natural Resources Advisory Council Meeting

The Conservation and Natural Resources Advisory Council to the Department of Conservation and Natural Resources (Department) will hold a meeting on Wednesday, January 22, 2003, at 10 a.m. in Room 105, Lobby Level, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA.

Questions concerning this meeting or agenda items should be directed to Kurt Leitholf at (717) 705-0031.

Persons in need of accommodations as provided for in the Americans With Disabilities Act of 1990 should contact Claire Guisewite at (717) 705-0031 or through the Pennsylvania AT&T Relay Service at (800) 654-5984 (TDD) to discuss how the Department may accommodate their needs.

JOHN C. OLIVER,  
*Secretary*

[Pa.B. Doc. No. 03-59. Filed for public inspection January 10, 2003, 9:00 a.m.]

## DEPARTMENT OF ENVIRONMENTAL PROTECTION

### Applications, Actions and Special Notices

#### APPLICATIONS

### NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITS

#### NPDES APPLICATIONS

#### PART I PERMITS

Under the Federal Clean Water Act and The Clean Streams Law, the following parties have applied for an NPDES permit or to renew their current permit to discharge controlled wastewaters into the waters of this Commonwealth or to

conduct other activities required by the NPDES permit. For renewal applications listed 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 new permit applications, renewal application with major changes or applications for permits not waived by the EPA, the Department, based upon preliminary reviews, also made a tentative determination of proposed effluent limitations and other terms and conditions for the permit applications listed in Section II. These determinations are published as proposed actions for comments prior to taking final actions.

Unless indicated otherwise, the EPA Region III Administrator has waived the right to review or object to this proposed permit action under the waiver provision 40 CFR 123.24(d).

Persons wishing to comment on the proposed permit are invited to submit a statement, to the office noted before the application, within 30 days from the date of this public notice. Comments received within this 30-day comment period will be considered in the formulation of the final determinations regarding this application. The comments 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 if the responsible office considers the public response significant. Following the comment period, the Department's Water Management Program Manager will make a final determination regarding these applications. 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 renewal application, including proposed effluent limitations and special conditions, is available on file. For new permit applications, information submitted with the applications is available on file. The information may be inspected and arrangements made for copying at the office indicated before the application.

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**

*Southeast Region: Water Management Program Manager; Lee Park, Suite 6010, 555 North Lane, Conshohocken, PA 19428.*

<i>NPDES No. (Type)</i>	<i>Facility Name and Address</i>	<i>County and Municipality</i>	<i>Stream Name (Watershed #)</i>	<i>EPA Waived Y/N ?</i>
PA0054771	Peter and Mary Paul R. D. 3, 2614 Bean Road Norristown, PA 19403	Worcester Township Montgomery County	UNT to Stony Creek	Y

**II. Applications for New or Expanded Facility Permits, Renewal of Major Permits and EPA Nonwaived Permit Applications**

*Southeast Region: Water Management Program Manager; Lee Park, Suite 6010, 555 North Lane, Conshohocken, PA 19428.*

**PA0058564**, Sewage, **Girl Scouts of Freedom Valley**, 100 Juliette Low Way, Valley Forge, PA 19482-0814. This application is for issuance of an NPDES permit to discharge treated sewage from a sewage treatment plant serving Camp Tohikane in Haycock and East Rockhill Townships, **Bucks County**. This is a new discharge to unnamed tributary of Tohickon Creek.

The receiving stream is classified for CWF, aquatic life, water supply and recreation.

The proposed effluent limits for Outfall 001, based on an average flow of 0.015 mgd are as follows:

<i>Parameter</i>	<i>Average Monthly (mg/l)</i>	<i>Instantaneous Maximum (mg/l)</i>
CBOD <sub>5</sub>	10	
Suspended Solids	10	
Ammonia (as N)		
(5-1 to 10-31)	1.5	
(11-1 to 4-30)	3.0	
Nitrate and Nitrite (as N)	10	
Phosphorus (as P)	1.0	
Total Residual Chlorine	Nondetect	
Fecal Coliform	500 colonies/100 ml as a geometric average	
Dissolved Oxygen	minimum of 6 mg/l at all times	
pH	Within limits of 6.0—9.0 Standard Units at all times	

Other Conditions: The first downstream potable water intake is Bradshaw Reservoir intake located on the Delaware River.

The EPA Waiver is in effect.



**PA0012815**, Industrial Waste, **Sonoco Products Company**, 300 South Brandywine Avenue, Downingtown, PA 19335. This application is for renewal of an NPDES permit to discharge treated process wastewater and noncontact cooling water from Sonoco Products Company in Downingtown Borough, **Chester County**. This is an existing discharge to the East Branch of Brandywine Creek.

The receiving stream is classified for WWF, CWF, TSF, HQ-TSF, HQ-WWF, HQ-CWF, EV, aquatic life, water supply and recreation.

The proposed effluent limits for Outfall 001, based on an average flow of 1.028 MGD and Outfall 002, based on an average flow of 0.657 MGD are as follows:

*Outfall 001:* Effective from permit issuance lasting through completion of 18 months of permit issuance.

<i>Discharge Parameter</i>	<i>Effluent Limitations</i>					
	<i>Mass Units (lbs/day)<sup>(1)</sup></i>			<i>Concentrations (mg/l)</i>		
	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Minimum</i>	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum<sup>(2)</sup></i>
CBOD <sub>5</sub>	287	574		34	68	85
Total Suspended Solids	417	834		50	100	125
Ammonia Nitrogen	50	100		6.0	12.0	18.0
Phosphorus as P (4-1 to 10-31)	8.3	17.0		1.0	2.0	2.5
Total Dissolved Solids	8,340	16,680		1,000	2,000	2,500
Dissolved Oxygen			Monitor and Report			
Temperature						110°F
Color (Pt-co)						75
Oil and Grease				15		30
pH (Standard Units)			6.0			9.0
Total Residual Chlorine				Monitor and Report		
E. Coli (#/100 ml)				Monitor and Report		

Effective from completion of 18 months of permit issuance lasting through expiration.

<i>Discharge Parameter</i>	<i>Effluent Limitations</i>					
	<i>Mass Units (lbs/day)<sup>(1)</sup></i>			<i>Concentrations (mg/l)</i>		
	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Minimum</i>	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum<sup>(2)</sup></i>
Flow (MGD)						
CBOD <sub>5</sub> *	209	419		24	49	61
Total Suspended Solids	417	834		50	100	125
Ammonia Nitrogen*	37	74		4.3	8.6	10.8
Phosphorus as P * (4-1 to 10-31)	6.2	12.4		0.72	1.44	1.80
Total Dissolved Solids	8,340	16,680		1,000	2,000	2,500
Dissolved Oxygen			Monitor and Report			
Temperature						110°F
Color (Pt-co)						75
Oil and Grease				15		30
pH (Standard Units)			6.0			9.0
Total Residual Chlorine				0.5		1.2
E. Coli (#/100 ml)				Monitor and Report		

\* These limitations are based on Revised Christina River Basin Total Maximum Discharge Load allocation dated October 8, 2002.

*Outfall 002:*

<i>Parameter</i>	<i>Effluent Limitations (Mg/l)</i>	
	<i>Average Monthly</i>	<i>Instantaneous Maximum</i>
Temperature		110°F
pH (STD Units)	Within limits of 6—9 Std Units	
Oil and Grease	15	30

Other Conditions: Conditions for future permit modification; E-Coli monitoring/disinfection requirements.

The EPA Waiver is not in effect.

**PA0058475**, Sewage, **Plumstead Township**, 5186 Stump Road, P. O. Box 387, Plumsteadville, PA 18949. This application is for issuance of an NPDES permit to discharge treated sewage from a sewage treatment plant serving 62 residential homes in Plumstead Township, **Bucks County**. This is a new discharge to wetlands to Geddes Run.

The receiving stream is classified for CWF, aquatic life, water supply and recreation.

The proposed effluent limits for Outfall 001, based on an average flow of 0.016275 mgd are as follows:

<i>Parameter</i>	<i>Average Monthly (mg/l)</i>	<i>Average Weekly (mg/l)</i>	<i>Instantaneous Maximum (mg/l)</i>
CBOD <sub>5</sub>	10		
Suspended Solids	10		
Ammonia (as N)			
(5-1 to 10-31)	1.5		
(11-1 to 4-30)	3.0		
Nitrate and Nitrite (as N)	10		
Phosphorus (as P)	1.0		
Fecal Coliform	50 colonies/100 ml as a geometric average		
Dissolved Oxygen	minimum of 6 mg/l at all times		
pH	Within limits of 6.0—9.0 Standard Units at all times		

Other Conditions: The first downstream potable water intake is Bradshaw Reservoir intake located on the Delaware River.

The EPA Waiver is in effect.

**PA0054917**, Sewage, **Uwchlan Township**, 715 North Ship Road, Exton, PA 19341-1940. This application is for renewal of an NPDES permit to discharge treated sewage from Uwchlan Township's Eagleview wastewater treatment plant in Uwchlan Township, **Chester County**. This is an existing discharge to Shamona Creek from wetlands.

The receiving stream is classified for HQ-TSF, aquatic life, water supply and recreation.

The proposed effluent limits for Outfall 001, based on an average flow of 0.15 MGD, before expansion of STP, are as follows:

<i>Parameter</i>	<i>Average Monthly (mg/l)</i>	<i>Average Weekly (mg/l)</i>	<i>Instantaneous Maximum (mg/l)</i>
CBOD <sub>5</sub>			
(5-1 to 10-31)	7.0	10.5	14.0
(11-1 to 4-30)	14.0	21.0	28.0
Suspended Solids	20	30	40
Ammonia (as N)			
(5-1 to 10-31)	1.0		2.0
(11-1 to 4-30)	3.0		6.0
Phosphorus (as P)	1.0		2.0
Fecal Coliform	200 colonies/100 ml as a geometric average		
Dissolved Oxygen	minimum of 6.0 mg/l at all times		
pH	Within limits of 6.0—9.0 Standard Units at all times		

The proposed effluent limits for Outfall 001, based on an average flow of 0.475 MGD, after expansion of STP, are as follows:

<i>Parameter</i>	<i>Average Monthly (mg/lbs)</i>	<i>Average Weekly (mg/lbs)</i>	<i>Instantaneous Maximum (mg/lbs)</i>
CBOD <sub>5</sub>			
(5-1 to 10-31)	6.0/23.4*	9.0/35.0	12.0
(11-1 to 4-30)	12.0/46.8	18.0/70.0	24.0
Suspended Solids	20/79.2	30/118.8	40
Ammonia (as N)			
(5-1 to 10-31)	0.8/3.1*		1.6
(11-1 to 4-30)	2.4/9.3		4.7
Phosphorus as P	0.8/3.1*		1.6
Fecal Coliform	200#/100 ml as a geometric average		
Dissolved Oxygen	Minimum of 6.0 mg/l at all times		
pH	Within limits of 6.0 of 9.0 STD at all times		

\* These are the limits based on Christina River Basin TMDL.

Other Conditions: Conditions for future permit modification; effective disinfection—UV disinfection system.

The EPA Waiver is in effect.

*Southcentral Region: Water Management Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110, (717) 705-4707.*

**PA0007765 Amendment No. 1**, Industrial Waste and Stormwater, SIC Code 3751, **Harley-Davidson Motor Company Operations, Inc.**, 1425 Eden Road, York, PA 17402. This facility is located in Springettsbury Township, **York County**.

Description of activity: The application is for the amendment of an NPDES permit for new discharges of noncontact cooling water and stormwater due to facility expansion.

The receiving streams, unnamed tributary of Codorus Creek and Mill Creek, are in Watershed 7-H and are classified for WWF, water supply and recreation and fish consumption. The nearest downstream public water supply intake, Wrightsville Water Supply Company, is located approximately 17 miles downstream on the Susquehanna River. The discharge is not expected to affect the water supply.

The proposed effluent limitations and monitoring requirements for Outfall 002 (NCCW and stormwater) based on an estimated NCCW flow of 0.183 MGD and discharge to an unnamed tributary of Codorus Creek are:

<i>Parameter</i>	<i>Average Monthly (mg/l)</i>	<i>Maximum Daily (mg/l)</i>	<i>Instantaneous Maximum (mg/l)</i>
pH (S.U.)		From 6.0 to 9.0 inclusive	
Oil and Grease	10	XXX	20
Total Residual Chlorine	Monitor and Report	Monitor and Report	XXX
Temperature	Temperature limits are as follows: January—64°F, February—59°F, March—83°F, April—75°F, May—88°F, June—110°F, July—108°F, August—109°F, September—97°F, October—88°F, November—70°F and December—75°F		

The proposed effluent limitations and monitoring requirements for Outfalls 004 and 006 (NCCW and stormwater) based on estimated average NCCW flows of 0.0004 MGD and 0.0009 MGD, respectively, are:

<i>Parameter</i>	<i>Average Monthly (mg/l)</i>	<i>Maximum Daily (mg/l)</i>	<i>Instantaneous Maximum (mg/l)</i>
pH (S.U.)		Monitor and Report	
Total Residual Chlorine	Monitor and Report	Monitor and Report	XXX
Oil and Grease	XXX	Monitor and Report	XXX
Tetrachloroethylene	XXX	Monitor and Report	XXX
Trichloroethylene	XXX	Monitor and Report	XXX
2-Butanone	XXX	Monitor and Report	XXX
Methyl Isobutyl Ketone	XXX	Monitor and Report	XXX
Total Lead	XXX	Monitor and Report	XXX
Total Nickel	XXX	Monitor and Report	XXX
Hexavalent Chromium	XXX	Monitor and Report	XXX
Total Suspended Solids	XXX	Monitor and Report	XXX

Stormwater Outfalls 005 and 007 are identified in the permit, with proposed annual monitoring requirements for pH, oil and grease, Tetrachloroethylene, Trichloroethylene, 2-Butanone, Methyl Isobutyl Ketone, total lead, total nickel, hexavalent chromium and total suspended solids.

Individuals may make an appointment to review the Department files on this case by calling the File Review Coordinator at (717) 705-4732.

The EPA waiver is in effect.

**PA123570**, CAFO, **Wenger's Feed Mill, Inc.**, 101 West Harrisburg Avenue, Rheems, PA 17570. This proposed facility is located in Rapho Township, **Lancaster County**.

Description of Proposed Activity: The Bridge Valley Farms is an existing egg layer production and egg processing facility with 2,673 AEUs. An estimated quantity of total annual manure production is 11,686 tons. The operation consists of 768,000 layer hens. The facilities consist of seven two-story buildings with the manure being stored beneath the layer cages until it is removed for crop application. All of the 11,686 tons of manure generated on the farm is exported.

The receiving stream, Chickies Creek, is in the State Water Plan watershed 7-G and is classified for WWF.

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 nondischarge 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 Pennsylvania Nutrient Management Act and The Clean Streams Law constitutes compliance with the State narrative water quality standards.

**PA0247022**, CAFO, **David W. Sweigart, III, Ridge View Farms**, 189 Ridge View Road South, Elizabethtown, PA 17022. This proposed facility is located in Mount Joy Township, **Lancaster County**.

Description of Proposed Activity: The Ridge View Farm is an existing dairy and swine operation with 1,131 AEUs. The operation consists of two swine production buildings which each utilize and underground, concrete manure storage and a dairy operation which utilizes (1,118,400 gallons) and underground concrete manure storage and a dairy operation which utilizes an aboveground (730,000 gallons), concrete manure storage structure and an above ground steel slurry storage

structure. Manure produced on the farm is used on agricultural crop acres under direct control of Ridge View Farms (184.7 acres). Some manure is exported off the farm to neighboring farmers to be used for agricultural crop production (389.7 acres).

The receiving stream, Conoy Creek, is in the State Water Plan watershed 7G and is 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 nondischarge 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 Pennsylvania Nutrient Management Act and The Clean Streams Law constitutes compliance with the State narrative water quality standards.

**PA0247031**, CAFO, **Red Knob Farm**, 322 Balance Meeting Road, Peach Bottom, PA 17563. This proposed facility is located in Little Britain Township, **Lancaster County**.

Description of Proposed Activity: The Red Knob Farm is an existing family owned and operated dairy farm with a total of 1,294.85 AEUs. This operation is proposing to continue a steady internal growth but intends to limit that growth to match the capacities of the current housing, milking parlor and manure handling facilities. These include manure solids extractor system, two earthen manure storage ponds and buried irrigation lines that feed hard hose traveling reels and two center pivot irrigation systems. Nutrients are applied to a continuous no-till cropping system of forage grain and corn silage. Application rates have been selected towards phosphorus utilization backed by years of strong data collection. Total acres where nutrients will be applied; 328.5 owned acres and 320.5 rented acres. Total manure equals: 4,568 tons and 19,017,516 gallons.

The receiving stream, Little Conowingo Creek, is in the State Water Plan watershed 7K and is classified for HQ-CWF.

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 nondischarge 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 Pennsylvania Nutrient Management Act and The Clean Streams Law constitutes compliance with the State narrative water quality standards.

*Southwest Regional Office: Regional Manager, Water Management, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; (412) 442-4000.*

**PA0000418**, Industrial Waste, SIC, 4941, **Municipal Authority of the Borough of Derry**, 620 North Chestnut Street, Derry, PA 15627. This application is for renewal of an NPDES permit to discharge treated process water and untreated stormwater from the Derry Borough Water Treatment Plant in Derry Borough, **Westmoreland County**.

The following effluent limitations are proposed for discharge to the receiving waters, unnamed tributary to McGee Run, classified as a CWF with existing and/or potential uses for aquatic life, water supply and recreation. The first existing/proposed downstream potable water supply is the Saltsburg Municipal Water Works, located at Saltsburg, 24 miles below the discharge point.

*Outfall 001: existing discharge, design flow of 0.067 mgd.*

Parameter	Mass (lb/day)		Concentration (mg/l)		
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Instantaneous Maximum
Iron			2.0		4.0
Manganese			1.0		2.0
Aluminum			2.0		4.0
Total Suspended Solids			20.0		40.0
Total Residual Chlorine			0.5		1.0
pH	not less than 6.0 nor greater than 9.0				

The EPA waiver is in effect.

**PA0217689**, Industrial Waste, SIC, 4941, **Municipal Authority of the Borough of West View**, 210 Perry Highway, Pittsburgh, PA 15229. This application is for issuance of an NPDES permit to discharge treated process water and untreated stormwater from the Joseph A. Berkley Water Treatment Plant in Neville Township, **Allegheny County**.

The following effluent limitations are proposed for discharge to the receiving waters, Ohio River, classified as a WWF with existing and/or potential uses for aquatic life, water supply and recreation. The first existing/proposed downstream potable water supply is Robinson Township Municipal Authority, located at Robinson Township, 3.9 miles below the discharge point.

*Outfall 001: existing discharge, 0.084 MGD:*

Parameter	Mass (lb/day)		Concentration (mg/l)		
	Average Monthly	Maximum Daily	Average Monthly	Maximum Daily	Instantaneous Maximum
Total Suspended Solids			30.0		60.0
Iron			2.0		4.0
Aluminum			4.0		8.0

## NOTICES

<i>Parameter</i>	<i>Mass (lb/day)</i>		<i>Concentration (mg/l)</i>		
	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum</i>
Manganese			1.0		2.0
Total Residual Chlorine			0.5		1.0
pH	not less than 6.0 nor greater than 9.0				

Other Conditions: Effluent chlorine minimization.

*Outfall 002:* existing discharge, 0.084 MGD:

<i>Parameter</i>	<i>Mass (lb/day)</i>		<i>Concentration (mg/l)</i>		
	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum</i>
Total Suspended Solids			30.0		60.0
Iron			2.0		4.0
Aluminum			4.0		8.0
Manganese			1.0		2.0
Total Residual Chlorine			0.5		1.0
pH	not less than 6.0 nor greater than 9.0				

*Outfall 011:* existing discharge, intermittent flow:

<i>Parameter</i>	<i>Mass (lb/day)</i>		<i>Concentration (mg/l)</i>		
	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum</i>
Total Suspended Solids			30.0		60.0
Iron			2.0		4.0
Aluminum			4.0		8.0
Manganese			1.0		2.0
Total Residual Chlorine			0.5		1.0
pH	not less than 6.0 nor greater than 9.0				

*Outfall 014:* existing discharge, intermittent flow:

<i>Parameter</i>	<i>Mass (lb/day)</i>		<i>Concentration (mg/l)</i>		
	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum</i>
Total Suspended Solids					60.0
Iron					4.0
Aluminum					8.0
Manganese					2.0
Total Residual Chlorine					1.0
pH	not less than 6.0 nor greater than 9.0				

*Outfall 003—010, 012—013:* existing discharges:

<i>Parameter</i>	<i>Mass (lb/day)</i>		<i>Concentration (mg/l)</i>		
	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Average Monthly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum</i>
These discharges shall consist solely of uncontaminated stormwater runoff.					

The EPA waiver is in effect.

**PA0032069**, Sewage, **Saint Francis University**, P. O. Box 600, Loretto, PA 15940-0600. This application is for renewal of an NPDES permit to discharge treated sewage from Saint Francis University STP in Loretto Borough, **Cambria County**.

The following effluent limitations are proposed for discharge to the receiving waters, known as unnamed tributary of Clearfield Creek, which are classified as a CWF with existing and/or potential uses for aquatic life, water supply and recreation. The first downstream potable water supply intake from this facility is the Pennsylvania American Water Company on the West Branch Susquehanna River.

*Outfall 001:* existing discharge, design flow of 0.318 mgd.

<i>Parameter</i>	<i>Concentration (mg/l)</i>			
	<i>Average Monthly</i>	<i>Average Weekly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum</i>
CBOD <sub>5</sub>				
(5-1 to 10-31)	20	30		40
(11-1 to 4-30)	25	38		50
Suspended Solids	30	45		60
Ammonia Nitrogen				
(5-1 to 10-31)	2.5	3.8		5.0
(11-1 to 4-30)	6.4	9.6		12.8
Fecal Coliform				
(5-1 to 9-30)	200/100 ml as a geometric mean			
(10-1 to 4-30)	2,500/100 ml as a geometric mean			
Total Residual Chlorine	0.15			0.48
Dissolved Oxygen	not less than 6.0 mg/l			
pH	not less than 6.0 nor greater than 9.0			

The EPA waiver is in effect.

**PA0092339**, Sewage, **Bell Acres Municipal Sewage Authority**, 1151 Camp Meeting Road, Sewickley, PA 15143. This application is for renewal of an NPDES permit to discharge treated sewage from Grouse Ridge Sewage Treatment Plant in Bell Acres Borough, **Allegheny County**.

The following effluent limitations are proposed for discharge to the receiving waters, which lead to an unnamed tributary of Big Sewickley Creek, which are classified as a TSF with existing and/or potential uses for aquatic life, water supply and recreation. The first downstream potable water supply intake from this facility is the Midland Borough Water Authority located on the Ohio River.

*Outfall 001:* existing discharge, design flow of 0.00665 mgd.

<i>Parameter</i>	<i>Concentration (mg/l)</i>			
	<i>Average Monthly</i>	<i>Average Weekly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum</i>
CBOD <sub>5</sub>	10			20
Suspended Solids	25			50
Ammonia Nitrogen				
(5-1 to 10-31)	1.5			3.0
(11-1 to 4-30)	4.5			9.0
Fecal Coliform				
(5-1 to 9-30)	200/100 ml as a geometric mean			
(10-1 to 4-30)	2,000/100 ml as a geometric mean			
Total Residual Chlorine	1.4			3.3
Dissolved Oxygen	not less than 5.0 mg/l			
pH	not less than 6.0 nor greater than 9.0			

The EPA waiver is in effect.

**PA0096628**, Sewage, **Hamill Manufacturing Company, Inc.**, 500 Pleasant Valley Road, Trafford, PA 15085. This application is for renewal of an NPDES permit to discharge treated sewage from Hamill Manufacturing STP in Penn Township, **Westmoreland County**.

The following effluent limitations are proposed for discharge to the receiving waters, known as Lyons Run, which are classified as a TSF with existing and/or potential uses for aquatic life, water supply and recreation. The first downstream potable water supply intake from this facility is the Pennsylvania American Water Company, Becks Run Intake.

*Outfall 001:* existing discharge, design flow of 0.00196 mgd.

<i>Parameter</i>	<i>Concentration (mg/l)</i>			
	<i>Average Monthly</i>	<i>Average Weekly</i>	<i>Maximum Daily</i>	<i>Instantaneous Maximum</i>
CBOD <sub>5</sub>	25			50
Suspended Solids	30			60
Fecal Coliform				
(5-1 to 9-30)	200/100 ml as a geometric mean			
(10-1 to 4-30)	2,000/100 ml as a geometric mean			
Total Residual Chlorine	Monitor and Report			
pH	not less than 6.0 nor greater than 9.0			

The EPA waiver is in effect.

**WATER QUALITY MANAGEMENT  
PERMITS  
CONTROLLED INDUSTRIAL WASTE AND SEWAGE  
WASTEWATER  
APPLICATIONS UNDER THE CLEAN STREAMS  
LAW  
PART II PERMITS**

The following permit applications or requests for plan approval have been received by the Department of Environmental Protection (Department).

Persons wishing to comment on an applications are invited to submit a statement to the office noted before the application, within 15 days from the date of this public notice. Comments received within this 15-day comment period will be considered in making the final decision regarding the application. The comments 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 reserves the right to hold a public hearing 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 of the area. If no hearing is held, the Department's Water Management Program Manager will make a final determination regarding the applications after a complete review. 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.

A copy of the permit application or proposed plan is on file in the office indicated and is open to public inspection. Appointments to review the application may be made by contacting Records Management at the indicated telephone number.

**I. Industrial Waste and Sewerage Applications under The Clean Streams Law (35 P. S. §§ 691.1—691.1001).**

*Southwest Region: Water Management Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.*

**Application No. 0402404**, Sewerage, **Gary Regelman**, 142 Wampum Road, Wampum, PA 16157. Application for the construction and operation of a single residence small flow sewage treatment plant to serve the Regelman residence located in Big Beaver Borough, **Beaver County**.

**NPDES Stormwater Individual Permit**

The following parties have applied for an NPDES permit to discharge stormwater associated with a construction activity into waters of this Commonwealth. Unless otherwise indicated, on the basis of preliminary

review and application of lawful standards and regulations, the Department of Environmental Protection (Department) proposes to issue a permit to discharge, subject to certain limitations set forth in the permit conditions. These proposed determinations are tentative. Limitations are provided as erosion and sediment control best management practices which restrict the rate and quantity of sediment discharged.

Where indicated, the EPA Region III Administrator has waived the right to review or object to this proposed permit action under the waiver provision 40 CFR 123.24(d).

Persons wishing to comment on the proposed permit are invited to submit a statement to the appropriate Department Regional Office noted before the application, within 30 days from the date of this public notice. Comments reviewed within this 30-day period will be considered in the formulation of the final determinations regarding this application. Responses 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 relevant facts upon which it is based. A public hearing may be held after consideration of comments received by the appropriate Department Regional Office during the 30-day public comment period.

Following the 30-day comment period, the appropriate Regional Office Water Management Program Manager will make a final determination regarding the proposed permit. Notice of this determination will be published in the *Pennsylvania Bulletin* at which time this determination may be appealed to the Environmental Hearing Board.

The application and related documents, including the erosion and sediment control plan for the earth disturbance activity, are on file and may be inspected at the office identified in this notice.

Persons with a disability who require an auxiliary aid, service or other accommodation to participate during the 30-day public comment period should contact the specified Regional Office. TDD users may contact the Department through the Pennsylvania AT&T Relay Service at (800) 654-5984.

*Southeast Region: Water Management Program Manager, Lee Park, Suite 6010, 555 North Lane, Conshohocken, PA 19428.*

**NPDES Permit PAS10G558**, Stormwater, **Telvil Corporation**, 528 Main Street, Suite 101, Harleysville, PA 19438, has applied to discharge stormwater associated with a construction activity located in East Coventry Township, **Chester County** to unnamed tributary to Schuylkill River (HQ-TSF).

*Northeast Region: Water Management Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-0790.*

*Carbon County Conservation District: 5664 Interchange Road, Lehighton, PA 18235-5114, (610) 377-4894.*

<i>NPDES No.</i>	<i>Applicant Name &amp; Address</i>	<i>County &amp; Municipality</i>	<i>Receiving Water/Use</i>
PAS101327	Vacation Charters Ltd. Jack W. Kalins P. O. Box 592 Lake Harmony, PA 18624-0592	Carbon County Kidder Township	Black Creek HQ-CWF

## OPERATE WASTE PROCESSING OR DISPOSAL AREA OR SITE

**Application 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 Regulations to Operate Solid Waste Processing or Disposal Area or Site.**

*Southcentral Region: Regional Solid Waste Manager, 909 Elmerton Avenue, Harrisburg, PA 17110.*

**Permit Application No. 100945. Community Refuse Service Inc.**, 620 Newville Road, Newburg, PA 17240, Hopewell and North Newton Townships, **Cumberland County**. The application is for leachate recirculation for Cumberland County Landfill. The application was determined to be administratively complete by the Southcentral Regional Office on December 5, 2002.

Comments concerning the application should be directed to John Krueger, Program Manager, Waste Management Program, 909 Elmerton Avenue, Harrisburg, PA 17110. Persons interested in obtaining more information about the general permit application may contact the Waste Management Program, (717) 705-4706. TDD users may contact the Department through the Pennsylvania Relay Service, (800) 654-5984. Public comments must be submitted within 60 days of this notice and may recommend revisions to and approval or denial of the application.

*Southwest Region: Regional Solid Waste Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.*

**Permit Application No. 101532. Weavertown Transport Leasing, Inc.**, 201 South Johnson Road, Houston, PA 15342. Weavertown Industrial Park, Route 50, Cecil, PA 15321. A major modification application for a Radiation Protection Plan for a municipal waste transfer facility in Cecil Township, **Washington County**, was received in the Regional Office on December 20, 2002.

**Permit Application No. 101565. Waste Management of Pennsylvania, Inc.**, 2197 Duss Avenue, Ambridge, PA 15003. Ambridge Transfer Station, 2197 Duss Avenue, Ambridge, PA 15003. A major modification application for a Radiation Protection Plan for a municipal waste transfer facility in Ambridge Borough, **Beaver County**, was received in the Regional Office on December 24, 2002.

Comments or information concerning an application should be directed to Michael Forbeck, Facilities Manager, Department of Environmental Protection, 400 Waterfront Drive, Pittsburgh, PA 15222-4745. TDD users may contact the Department through the Pennsylvania Relay Service, (800) 654-5984. Public comments must be submitted within 60 days of this notice and may recommend revisions to and approval or denial of the application.

*Northwest Region: Regional Solid Waste Manager, 230 Chestnut Street, Meadville, PA 16335-3481.*

**Permit Application No. 101603. Onyx Waste Service Inc.**, Route 219N, R. R. 2, Box 0, Brockway, PA 15824, Pittsfield Township, **Warren County**. Major modification for Radiation Protection Plan at the Warren County Transfer Station. The application was received by the Northwest Regional Office on December 23, 2002.

**Permit Application No. 101449. Waste Management of Greenville**, 88 Ohl Street, P. O. Box 609, Greenville, PA 16125-0609, Greenville Borough, **Mercer**

**County**. Major modification for Radiation Protection Plan at the municipal waste transfer facility. The application was received by the Northwest Regional Office on December 23, 2002.

**Permit Application No. 100691. Waste Management PA Inc.**, 1550 Coraopolis Heights Road, Moon Township, PA 15108, Erie City, **Erie County**. Major modification for Radiation Protection Plan at the Greater Erie Transfer Station. The application was received by the Northwest Regional Office on December 23, 2002.

**Permit Application No. 101646. World Resource Recovery Systems, Inc.**, 1631 East Avenue, Erie, PA 16503-2365, Erie City, **Erie County**. Major modification for Radiation Protection Plan at the World Resource Recovery Systems Transfer Station. The application was received by the Northwest Regional Office on December 24, 2002.

Comments concerning an application should be directed to Todd Carlson, Program Manager, Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335. Persons interested in obtaining more information about the permit application may contact the Northwest Regional Office at (814) 332-6848. TDD users may contact the Department through the Pennsylvania Relay Service, (800) 654-5984.

## AIR QUALITY

### INTENT TO ISSUE PLAN APPROVALS AND OPERATING PERMITS

The Department of Environmental Protection (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 all the 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 has received applications and intends to issue plan approvals and/or operating permits to the following facilities.

Copies of these applications, draft permits, review summaries and other support materials are available for review in the Regional Offices identified in this notice. Persons interested in reviewing the application files should contact the appropriate regional office to schedule an appointment.

Interested persons may submit written comments, suggestions or objections concerning the proposed Title V permit to the regional office within 30 days of publication of this notice. Written comments submitted to the Department during the 30-day public comment period shall include the name, address and telephone number of the persons submitting the comments, along with the reference number of the proposed permit. The comments should also include a concise statement of any objections to the permit issuance and the relevant facts upon which the objections are based.

The Department reserves the right to hold a public hearing on the proposed action based upon the information received during the public comment period and will provide notice of any scheduled public hearing at least 30 days in advance of the hearing. If a hearing is scheduled, notice will be provided to each applicant, protestant, or other participants in writing or by publication in a newspaper or the *Pennsylvania Bulletin*, except where the



Department determines that notification by telephone will be sufficient. Notice will also be provided to anyone who requests in writing to be notified concerning the scheduling of a hearing.

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 and regulations adopted under the 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.**

*Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790; Contact: Mark Wejksznier, Acting New Source Review Chief, (570) 826-2531.*

**40-303-014A: Barletta Materials and Construction Inc.** (East Broad Street, P. O. Box 550, Tamaqua, PA 118252) for modification of a batch asphalt plant to utilize reclaimed asphalt pavement in Nescopeck Township, **Luzerne County**.

*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: William Charlton, New Source Review Chief, (412) 442-4174.*

**32-000354B: Amerikohl Mining, Inc.** (202 Sunset Drive, Butler, PA 16001) for installation of coal a prep plant at Ernest No. 5 Mine, Rayne Township, **Indiana County**.

*Northwest Region: Air Quality Program, 230 Chestnut Street, Meadville, PA 16335-3481; Contact: Devendra Verma, New Source Review Chief, (814) 332-6940.*

**37-027A: IA Construction Corp.** (158 Lindsay Road, Zelenople, PA 16063) to modify existing permit to burn alternative fuels: reprocessed fuel no. 5, no. 2 fuel oil and natural gas at the West Pittsburgh Plant in Taylor Township, **Lawrence County**.

*Department of Public Health, Air Management Services: 321 University Avenue, Philadelphia, PA 19104; Contact: Thomas Barsley, Chief, (215) 685-9428.*

**AMS 02253: Naval Surface Warfare Center** (5001 South Broad Street, Code 357, Philadelphia, PA 19112) for installation of a marine gas turbine test cell in Philadelphia, **Philadelphia County**.

**Intent to Issue Plan Approvals and Intent to Issue or Amend Operating Permits under the Air Pollution Control Act (35 P. S. §§ 4001–4015) and 25 Pa. Code Chapter 127, Subchapter B. These actions may include the administrative amendments of an associated operating permit.**

*Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790; Contact: Michael Saffo, Facilities Permitting Chief, (570) 826-2531.*

**54-305-020: WPS Westwood Generation, LLC** (1088 Springhurst Drive, Green Bay, WI 54304-5495) for installation of a new fuel (coal) crusher in Frailey and Porter Townships, **Schuylkill County**. The new crusher will have spray bars to control fugitive emissions. The Plan Approval and Operating permit will contain additional

recordkeeping and operating restrictions designed to keep the facility operating within all applicable air quality requirements. The facility currently has a Title-V Operating Permit 54-00006.

*Department of Public Health, Air Management Services: 321 University Avenue, Philadelphia, PA 19104; Contact: Edward Braun, Chief, (215) 685-9476.*

**02109: AT&T Corp.** (500 South 27th Street, Philadelphia, PA 19146) for permitting six 750 kW kerosene fired Solar KS 15992 peak shaving gas turbine generators for 200 hours operation each. The facility potential NOx emissions will be 6.83 tons per rolling 12-month period. The plan approval will contain operating and recordkeeping requirements to ensure operation within all applicable requirements.

### OPERATING PERMITS

**Intent to Issue Title V Operating Permits under the Air Pollution Control Act (35 P. S. §§ 4001–4015) and 25 Pa. Code Chapter 127, Subchapter G.**

*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: Mark Wayner, Facilities Permitting Chief, (412) 442-4174.*

**63-00074: Eljer Plumbingware, Inc.** (1301 Eljer Way, Ford City, PA 16226) for the operation of a vitreous ceramic plumbing fixture manufacturing facility in Ford City, **Armstrong County**. The facility's major emission sources are 11 natural gas-fired kilns that emit quantities of NOx over the major source threshold. The facility will be limited to 469 tons per year of NOx emissions.

**Intent to Issue Operating Permits under the Air Pollution Control Act (35 P. S. §§ 4001–4015) and 25 Pa. Code Chapter 127, Subchapter F.**

*Southeast Region: Air Quality Program, Lee Park, Suite 6010, 555 North Lane, Conshohocken, PA 19428; Contact: Edward Brown, Facilities Permitting Chief, (610) 832-6242.*

**46-00227: W. A. Schmidt, Inc.** (38 Souderton Road, Franconia, PA 18964) for a non-Title V Facility, State-only, Synthetic Minor Operating Permit in Franconia Township, **Montgomery County**. W. A. Schmidt, Inc. fabricates structural metal products for use in industry. Two spray paint booths, used in the surface-coating aspect of their operation, comprise the list of sources at the facility. The main pollutants emitted from the spray paint booths are VOCs, some of which are also considered hazardous air pollutants. From their plan approval, the facility is subject to an emissions limit of 22 TPY for VOCs. The permit will include monitoring, recordkeeping and reporting requirements designed to keep the facility operating within all applicable air quality requirements.

**23-00058: Haverford College** (370 Lancaster Ave., Haverford, PA 19041-1392) for operation of a college in Haverford Township, **Chester County**. The permit is for a non-Title V (State-only) facility. The facility's main sources include: three 1,00 kW peak-shaving generators and five dual-fired (natural gas, No. 2 fuel oil) boilers. The hospital has the potential to emit NOx emissions greater 24.9 TPY. The permit will include monitoring, recordkeeping and reporting requirements designed to keep the facility operating within all applicable air quality requirements.

*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: Mark Wayner, Facilities Permitting Chief, (412) 442-4174.*

**63-00872: RTS Packaging, LLC** (P. O. Box 116, Charleroi, PA 15022) a renewal for operation of a paper-board partition plant in Charleroi Borough, **Washington County**.

**65-0499: St. George Crystal Ltd.** (P. O. Box 709, Jeannette, PA 15644) a renewal for operation of a glass pressing and blowing plant in Jeannette, **Westmoreland County**.

**04-00570: Kathryn I. Paumier** (303 A. Smithe Ferry Road, Midland, PA 15059) a renewal for operation of a slag processing plant in Ohioville Borough, **Beaver County**.

### PUBLIC HEARINGS

*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: Mark Wayner, Facilities Permitting Chief, (412) 442-4174.*

**AR-63-00014: Orion Power MidWest, LP** (2000 Cliff Mine Road, Suite 200, Pittsburgh, PA 15275) to receive comments on the proposed Phase II Acid Rain Permit Renewal for their Elrama facility in Union Township, **Washington County**.

The proposed Acid Rain Permit will renew the requirements of the existing Acid Rain Permit. No expansion, additional capacity or emission increase is being approved in this action. The facility has four combustion units that are subject to the requirements of Title IV of the Federal Clean Air Act and the Acid Rain Program (40 CFR Parts 72—78). Orion Power MidWest, LP has applied for an Acid Rain Permit Renewal as required by 40 CFR 72.30(c).

The public hearing will be held on February 12, 2003, at 7 p.m. at the Elrama Fire Hall, 17 Elrama Road, Elrama, PA, Union Township, Washington County.

Persons wishing to present testimony at the hearings should contact Betsy Mallison at (412) 442-4182 by February 10, 2003. Oral testimony will be limited to a maximum of 10 minutes and a written copy of the testimony should be provided. Each organization is requested to designate one witness to present testimony on its behalf.

Those unable to attend the hearings, but wishing to comment, should provide written comments to Mark Wayner, Acting, Regional Air Quality Program Manager, Department of Environmental Protection, 400 Waterfront Drive, Pittsburgh, PA, 15222. Comments should be submitted within 30 days of the date of this publication notice.

### 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); and 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—1406.21). Mining activity permits issued in response to the 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 of Envi-

ronmental Protection (Department). A copy of the application is available for inspection at the District Mining Office indicated before each application. Where a 401 Water Quality Certification is needed for any aspect of a particular proposed mining activity, the submittal of the permit application will serve as the request for certification.

Written comments, objections, or requests for informal conferences on applications 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 same address 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 (relating to public notices of filing of permit applications, opportunity for comment and informal conferences).

Where any of the mining activities listed will have discharges of wastewater to streams, the Department will incorporate NPDES permits into the mining activity permits issued in response to these applications. NPDES permits will contain, at a minimum, technology-based effluent limitations (as described in the Department's regulations—25 Pa. Code §§ 77.522, 87.102, 88.92, 88.187, 88.242, 89.52 and 90.102) for iron, manganese, suspended solids, settleable solids, alkalinity and pH. In addition to the previous, more restrictive effluent limitations, restrictions on discharge volume, or restrictions on the extent of mining which may occur will be incorporated into a mining activity permit, when necessary, for compliance with water quality standards (in accordance with 25 Pa. Code Chapters 93 and 95). Persons or agencies which have requested review of the NPDES permit requirements for a particular mining activity within the previously-mentioned public comment period will be provided with a 30-day period to review and submit comments on those requirements.

Written comments, objections should contain the name, address and telephone number of persons submitting comments, 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. Requests for an informal conference must contain the name, address and telephone number of requestor; 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.

#### *Coal Applications Received*

*Hawk Run District Mining Office: Empire Road, P. O. Box 209, Hawk Run, PA 16840-0209, (814) 342-8200.*

**17870129 and NPDES Permit No. PA0116190. Sky Haven Coal, Inc.**, R. D. 1, Box 180, Penfield, PA 15849. Renewal of an existing bituminous surface mine permit in Morris Township, **Clearfield County** affecting 498.3 acres. Receiving streams: Emigh Run and an unnamed tributary to Laurel Run, both tributaries of Moshannon Creek. Application received December 16, 2002.

**17010112 and NPDES Permit No. PA0243159. Hepburnia Coal Company**, P. O. Box I, Grampian, PA 16838. Transfer of an existing bituminous surface mine permit from K & J Coal Co., Inc. The permit is located in Chest Township, **Clearfield County** and affects 147 acres. Receiving streams: Spring Run and unnamed tributaries, Chest Creek, Kings Run. Application received December 20, 2002.

**17980126 and NPDES Permit No. PA0238198. Hepburnia Coal Company**, P. O. Box I, Grampian, PA 16838. Transfer of an existing bituminous surface mine-auger permit from K & J Coal Co., Inc. The permit is located in Chest Township, **Clearfield County** and affects 146 acres. Receiving streams: Kings Run, Chest Creek and unnamed tributaries. Application received December 20, 2002.

*Cambria District Mining Office: 286 Industrial Park Road, Ebensburg, PA 15931, (814) 472-1900.*

**11920102 and NPDES Permit No. PA0599425. L & J Energy Company, Inc.**, P. O. Box I, Grampian, PA 16838, permit renewal for reclamation only and continued restoration of a bituminous surface and auger mine and for discharge of treated mine drainage in Susquehanna Township, **Cambria County**, affecting 113.3 acres. Receiving streams: unnamed tributaries to Moss Creek classified for CWF. There are no potable water supply intakes within 10 miles downstream. Application received December 17, 2002.

**32980101 and NPDES Permit No. PA0234656. M. B. Energy, Inc.**, 175 McKnight Road, Blairsville, PA 15717-7961, permit renewal for reclamation only and for continued restoration of a bituminous surface mine and for discharge of treated mine drainage in Brushvalley and Center Townships, **Indiana County**, affecting 140.0 acres. Receiving streams: unnamed tributary to Brush Creek and unnamed tributary to Yellow Creek classified for CWF. The first downstream potable water supply intake from the point of discharge is the Indiana County Water Authority Yellow Creek water intake. Application received December 18, 2002.

*McMurray District Mining Office: 3913 Washington Road, McMurray, PA 15317, (724) 941-7100.*

**30921301. NPDES Permit PA0213900, RAG River Processing Corp.** (P. O. Box 1020, 158 Portal Road, Waynesburg, PA 15370), to renew the permit for the Monongahela Resource Mine in Jefferson Township, **Greene County**, renewal, Surface Acres Proposed N/A, Underground Acres Proposed N/A, SCP Acres Proposed N/A, CRDP Support Acres Proposed N/A, CRDP Refuse Disposal Acres Proposed N/A. No additional charges. The first downstream potable water supply intake from the point of discharge is N/A. Application received November 22, 2002.

#### *Noncoal Applications Received*

*Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901-2454, (570) 621-3118.*

**7975SM2A1C5 and NPDES Permit PA0613151. Haines & Kibblehouse, Inc.** (2052 Lucon Road, P. O. Box 196, Skippack, PA 19474), renewal of NPDES Permit for the existing discharge of treated mine drainage in Plumstead Township, **Bucks County**, receiving stream: Geddes Run. Classified for CWF. The first downstream potable water supply intake from the point of discharge is North Penn and North Wales Forest Park Service. Application received December 20, 2002.

**40980301C and NPDES Permit PA0223867. Bordaric Excavating, Inc.** (913 Mille Street, Luzerne, PA 18709), renewal of NPDES Permit for the existing discharge of treated mine drainage in Kingston Township, **Luzerne County**, receiving stream: mine pool to Susquehanna River. Classified for WWF. Application received December 23, 2002.

**45950301C3 and NPDES Permit PA0223506. Bill Barry Excavating, Inc.** (R. R. 3 Box 3271, Cresco, PA

18326), renewal of NPDES Permit for the existing discharge of treated mine drainage in Barrett Township, **Monroe County**, receiving stream: unnamed tributary to Cranberry Creek. Application received December 24, 2002.

*Hawk Run District Mining Office: Empire Road, P. O. Box 209, Hawk Run, PA 16840-0209, (814) 342-8200.*

**59020801. Richard Barlow**, R. R. 1, Box A79, Covington, PA 16917. Commencement, operation and restoration of a Small Industrial Minerals (Shale) permit in Covington Township, **Tioga County** affecting 5 acres. Receiving streams: Canoe Camp Creek, tributary to Tioga River. Application received December 13, 2002.

**41022802. Glenn O. Hawbaker, Inc.**, 2801 Canfield Land, Montoursville, PA 17754. Commencement, operation and restoration of a Small Industrial Minerals (Soil Borrow Material) permit in Fairfield Township, **Lycoming County** affecting 1.53 acres. Receiving streams: Bennetts Run, tributary to West Branch Susquehanna River. Application received December 17, 2002.

#### **ABANDONED MINE RECLAMATION**

Under Act 181 of 1984, the Department of Environmental Protection (Department) solicits letters of interest from the landowners and/or licensed mine operators for the reclamation of the following abandoned strip mine project:

Project No. BF 492, Beccaria Township, Clearfield County, 51 acres.

Letters of interest must be received by Roderick A. Fletcher, P. E., Director, Bureau of Abandoned Mine Reclamation, Department of Environmental Protection, 400 Market Street, P. O. Box 8476, Harrisburg, PA 17105-8476 by 4 p.m. on February 10, 2003, to be considered. Telephone inquiries shall be directed to Chuck Lonkart, Division of Mine Hazards, (717) 787-3448.

Under Act 181 of 1984, the Department solicits letters of interest from the landowners and/or licensed mine operators for the reclamation of the following abandoned strip mine project:

Project No. BF 494, South Huntingdon Township, Westmoreland County, 58 acres.

Letters of interest must be received by Roderick A. Fletcher, P. E., Director, Bureau of Abandoned Mine Reclamation, Department of Environmental Protection, 400 Market Street, P. O. Box 8476, Harrisburg, PA 17105-8476 by 4 p.m. on February 10, 2003, to be considered. Telephone inquiries shall be directed to Ron Henry, Division of Mine Hazards, (717) 783-0473.

Under Act 181 of 1984, the Department solicits letters of interest from the landowners and/or licensed mine operators for the reclamation of the following abandoned strip mine project:

Project No. BF 495, Carbondale Township, Lackawanna County, 8 acres.

Letters of interest must be received by Roderick A. Fletcher, P. E., Director, Bureau of Abandoned Mine Reclamation, Department of Environmental Protection, 400 Market Street, P. O. Box 8476, Harrisburg, PA 17105-8476 by 4 p.m. on February 10, 2003, to be considered. Telephone inquiries shall be directed to Brian Bradley, Division of Mine Hazards, (717) 783-7747.

Under Act 181 of 1984, the Department solicits letters of interest from the landowners and/or licensed mine operators for the reclamation of the following abandoned strip mine project:

Project No. BF 496, Cherry Township, Sullivan County, 163 acres.

Letters of interest must be received by Roderick A. Fletcher, P. E., Director, Bureau of Abandoned Mine Reclamation, Department of Environmental Protection, 400 Market Street, P. O. Box 8476, Harrisburg, PA 17105-8476 by 4 p.m. on February 10, 2003, to be considered. Telephone inquiries shall be directed to Robert A. Deardorff, Division of Mine Hazards, (717) 787-9893.

### FEDERAL WATER POLLUTION CONTROL ACT, SECTION 401

The following permit applications and requests for Environmental Assessment approval and requests for Water Quality Certification have been received by the Department of Environmental Protection. Section 401 of the Federal Water Pollution Control Act (FWPCA) (33 U.S.C.A. § 1341(a)), requires the State to certify that the involved projects will not violate the applicable provisions of 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. Initial requests for 401 Water Quality Certification will be published concurrently with the permit application. Persons objecting to approval of a request for certification under section 401 or to the issuance of a Dam Permit or Water Obstruction and Encroachment Permit, or the approval of an Environmental Assessment must submit any comments, suggestions or objections within 30 days of the date of this notice as well as any questions to the office noted before the application. Comments should contain the name, address and telephone number of the person commenting, identification of the certification request to which the comments, 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 the hours of 8 a.m. and 4 p.m. on each working day 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 of the Federal Water Pollution Control Act (33 U.S.C.A. § 1341(a)).**

#### WATER OBSTRUCTIONS AND ENCROACHMENTS

*Southcentral Region: Water Management Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110.*

**E07-365. New Pig Corporation**, Three Pork Avenue, Tipton, PA 16684 in Antis Township, **Blair County**, ACOE Baltimore District.

To construct and maintain a manufacturing and warehouse facility in 0.39 acre of palustrine and scrub shrub wetlands at the existing New Pig Corporation Headquarters in the Ardie J. Dillen Industrial Park along the Little Juniata River (TSF) (Tipton, PA Quadrangle N: 0.81 inch; W: 7.2 inches) in Antis Township, Blair County. An existing wetland at the site will be enhanced and 0.39 acre of palustrine emergent and scrub shrub wetlands will be created contiguous with existing onsite wetland. The requirements for a permit have been waived under 105.12(a)(6) for impacts to 0.06 acre of palustrine emergent wetlands.

**E67-731. Larry Gross, Manchester Township**, 3200 Farmrail Road, York, PA 17402 in Manchester Township, **York County**, ACOE Baltimore District.

To remove an existing twin 44-inch by 30-inch concrete pipe culvert and then construct and maintain a 4-foot by 10-foot reinforced concrete box culvert in an unnamed tributary to the Codorus Creek (WWF) (York Haven, PA Quadrangle N: 2.5 inches; W: 14.4 inches) in Manchester Township, York County.

*Southwest Region: Water Management Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.*

**E65-812. Municipality of Murrysville**, 4100 Sardis Road, Murrysville, PA 15668. Municipality of Murrysville, **Westmoreland County**, ACOE Pittsburgh District.

To remove the existing structure and to construct and maintain a 60-inch SLCPP culvert in an unnamed tributary to Haymakers Run (HQ-CWF) on a new alignment located on Bear Hollow Trail off of Sardis Road (Murrysville, PA Quadrangle N: 11.4 inches; W: 9.63 inches).

**E65-813. Municipality of Murrysville**, 4100 Sardis Road, Murrysville, PA 15668. Municipality of Murrysville, **Westmoreland County**, ACOE Pittsburgh District.

To remove the existing structure and to construct and maintain a single cell 16.0-foot by 7.0-foot reinforced concrete box culvert in Pucketa Creek (TSF) located on Ludwig Road (Murrysville, PA Quadrangle N: 22.1 inches; W: 4.87 inches).

**E65-814. Municipality of Murrysville**, 4100 Sardis Road, Murrysville, PA 15668. Municipality of Murrysville, **Westmoreland County**, ACOE Pittsburgh District.

To remove the existing structure and to construct and maintain a 16.0-foot by 7.0-foot reinforced concrete box culvert in Pucketa Creek (TSF) located on Saddle Pack Trail, 300 feet south of Route 366 (Murrysville, PA Quadrangle N: 21.4 inches; W: 3.4 inches).

#### WATER QUALITY CERTIFICATIONS REQUESTS

*Northeast Region: Water Management Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-0790, (570) 826-2511.*

**PPL Holtwood, LCC**, Two North Ninth Street, Allentown, PA 18101. Wallenpaupack Hydroelectric Project (FERC Project No. 487), on Lake Wallenpaupack, in Hawley Borough, **Wayne and Pike Counties**, ACOE Philadelphia District (Hawley Quadrangle N: 16.25 inches; W: 0.75 inch) (discharge), source water (Lake Wallenpaupack) is approximately 3.5 miles up-stream.

Project Description: PPL Holtwood, LCC has requested a Section 401 State Water Quality Certification for the operation of the Wallenpaupack Hydroelectric Project near Hawley Borough in Wayne and Pike Counties. The project is used primarily to meet the peak demands within PA-NJ-MD Interconnection, with limitations on generation set by both natural inflows to the lake and

seasonal recreational demands. The project operates on an annual storage basis, which is achieved through the use of seasonal "target" lake elevations that are at times specifically constrained by the license terms and conditions. With both generator units, a total outflow ranging up to 1,800 cfs were typically started and shut down simultaneously and were operated at a relatively fixed generation level over the course of the day. PPL Holtwood, LCC expects to continue to operate the project under its current peaking mode of operation, to continue to provide ancillary power services as previous and to continue to operate for recreational, environmental, drought and flood control needs with certain modifications and enhancements; implementation of a new monthly lake elevation target schedule during normal nondrought periods; implementation of a revised drought operation plan; implementation of a deferred trout temperature regulation program for the Lackawaxen River (from river mile 4 through 10 not to exceed a maximum of 77°F); implementation of restricted weekend generation during the spring trout seasons; implementing operation and testing of recently installed turbine draft tube aeration system for downstream dissolved oxygen; curbing the range of area regulation operations during 6 summer weekdays to enhance weekday whitewater boating opportunities; and scheduling of two weekend whitewater boating flow releases.

## ACTIONS

### FINAL ACTIONS TAKEN UNDER THE CLEAN STREAMS LAW AND THE FEDERAL CLEAN WATER ACT—NPDES AND WQM PART II PERMITS INDUSTRIAL WASTE AND SEWERAGE WASTEWATER

The Department of Environmental Protection has taken the following actions on previously received permit applications and requests for plan approval. The actions are listed in two categories. Section I lists all municipal and industrial permits and section II lists oil and gas related permits.

Persons aggrieved by an action may appeal, 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 the Administrative Agency Law), to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P. O. Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Environmental Hearing Board (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 any right of appeal beyond that permitted by applicable statutes and decision law.

For individuals who wish to challenge an action, appeals 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.

#### I. Municipal and Industrial Permit Actions under The Clean Streams Law (35 P. S. §§ 691.1—691.1001).

*Southeast Region: Water Management Program Manager, Lee Park, Suite 6010, 555 North Lane, Conshohocken, PA 19428.*

**NPDES Permit No. PA0057193**, Sewage, **Michael A. Proger**, 34 South Ryanford Road, Schwenksville, PA 19473. This proposed facility is located in Limerick Township, **Montgomery County**.

Description of Proposed Action/Activity: Approval to discharge into a tributary to Mine Run-3E.

**NPDES Permit No. PA0020460**, Sewage, **Pennridge Wastewater Treatment Authority**, 180 Maple Avenue, P. O. Box 31, Sellersville, PA 18960-0031. This proposed facility is located in West Rockhill Township, **Bucks County**.

Description of Proposed Action/Activity: Approval for the amendment to expand the capacity of the sewage treatment plant.

**WQM Permit No. 0900421**, Sewerage, **Pennridge Wastewater Treatment Authority**, 180 Maple Avenue, P. O. Box 31, Sellersville, PA 18960-0031. This proposed facility is located in West Rockhill Township, **Bucks County**.

Description of Proposed Action/Activity: Approval to amend the existing permit to reflect maximum monthly hydraulic capacity.

*Northeast Region: Water Management Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-0790.*

**NPDES Permit No. PA0062103**, Sewage, **Spring Brook Township Sewer Authority**, P. O. Box 1100, Moscow, PA 18444. This proposed facility is located in Roaring Brook Township, **Lackawanna County** and discharges to Green Run.

Description of Proposed Action/Activity: Renewal of NPDES Permit.

**NPDES Permit No. PAS802213**, Stormwater, **United Parcel Service, Inc.**, 1821 South 19th Street, Harrisburg, PA 17104. This proposed facility is located in Stroud Township, **Monroe County** and discharge stormwater from Outfall 001 to an unnamed tributary of McMichaels Creek.

Description of Proposed Action/Activity: Renewal of NPDES Permit.

*Southcentral Region: Water Management Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110, (717) 705-4707.*

**NPDES Permit No. PA0081825**, Sewage, **Betty P. Nelson, Nelson Mobile Home Park**, 16 Betty Nelson Court, Carlisle, PA 17013. This proposed facility is located in Lower Frankford Township, **Cumberland County**.

Description of Proposed Action/Activity: Authorization to discharge to Conodoguinet Creek in Watershed 7-B.

**NPDES Permit No. PA0246999 and WQM Permit No. 2802402**, Sewage, **Gregg and Karen Brady**, 7886

Lincoln Way West, Saint Thomas, PA 17252. This proposed facility is located in Saint Thomas Township, **Franklin County**.

Description of Proposed Action/Activity: Authorization for discharge to UNT Campbell Run and construction/operation of a Micro Sep Tec Enviroserver aerobic treatment system to serve a their residence and chiropractic office in Watershed 13-C.

**NPDES Permit No. PAS803501**, Industrial Waste, **Susquehanna Area Regional Airport Authority (including 21 copermittees), Harrisburg International Airport**, 208 Airport Drive, Middletown, PA 17057. This proposed facility is located in Lower Swatara Township, **Dauphin County**.

Description of Proposed Action/Activity: Authorization to discharge to Susquehanna River and Post Run in Watershed 7-C.

**NPDES Permit No. PA0010251**, Industrial Waste, **United States Army Carlisle Barracks, Carlisle Army War College**, 330 Engineer Avenue, Carlisle, PA 17013-5020. This proposed facility is located in Carlisle Borough, **Cumberland County**.

Description of Proposed Action/Activity: Authorization to discharge to UNT Letort Spring Run in Watershed 7-B.

**NPDES Permit No. PA0246905**, CAFO, **Lauden Farms**, 2248 Back Road, Halifax, PA 17032. This proposed facility is located in Wayne Township, **Dauphin County**.

Description of Size and Scope of Proposed Operation/Activity: Operation of a 1,493.3 AEU Dairy Cattle Concentrated Animal Feeding Operation in Watershed 6-C.

*Southwest Region: Water Management Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.*

**NPDES Permit No. PA0097098**, Sewage, **United States Army Support Command—Site 63**, 99 Soldiers Lane, Coraopolis, PA 15108-2550 is authorized to discharge from a facility located at United States Army Support Command—Site 63, South Fayette Township, **Allegheny County** to receiving waters named unnamed tributary of Millers Run.

**NPDES Permit No. PA0219347**, Sewage, **Patricia Iams**, 4124 Elrama Road, Finleyville, PA 15332 is authorized to discharge from a facility located at Iams Property, Union Township, **Washington County** to receiving waters named Lobbs Run.

**Permit No. 3202404**, Sewerage, **Robert J. and Anna M. Immekus**, 4792 Route 286 Highway East, Indiana, PA 15701. Construction of 500 GPD small flow treatment facility to serve a proposed four bedroom dwelling located in Rayne Township, **Indiana County** to serve Immekus Property STP.

**Permit No. 465S81-A2**, Sewerage, **Connellsville Area School District**, North 7th Street, Connellsville, PA 15425. Construction of sewage treatment plant replacement located in Springfield Township, **Fayette County** to serve Springfield Township Elementary School Sewage Treatment Plant.

**Permit No. 6302404**, Sewerage, **Patricia Iams**, 4124 Elrama Road, Finleyville, PA 15332. Construction of 800 GPD domestic wastewater discharge from a small flow sewage treatment plant utilized by two dwellings located in Union Township, **Washington County** to serve Iams property STP.

## II. Oil and Gas Management Permit Actions under The Clean Streams Law (35 P. S. §§ 691.1—691.1001).

*Southwest Region: Oil and Gas Management Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.*

**NPDES Permit No. PA0091472**, Industrial Waste, **Tunnelton Liquids Company**, 1390 E. Main Street, Suite 2, P. O. Box 667, Clarion, PA 16214. This facility is located in Conemaugh Township, **Indiana County**. This facility is authorized to discharge to Conemaugh River. This is an existing discharge.

*Southcentral Regional Office: Water Management Program Manager, 909 Elmerton Avenue, Harrisburg, PA, 17110-8200, (717) 705-4707.*

**PA0080519**, Sewage, **Antrim Township**, 10655 Antrim Church Road, P. O. Box 130, Greencastle, PA 17225. This facility is located in Antrim Township, **Franklin County**. The NPDES permit was issued on December 31, 2002.

This notice reflects changes from the notice published at 32 Pa.B. 5899 (November 30, 2002).

Parameter	Monthly Average	Weekly Average	Instantaneous Maximum
Total Nitrogen	8.0		16

Total Mercury was removed after evaluation of additional laboratory information.

Individuals may make an appointment to review the Department files on this case by calling the File Review Coordinator at (717) 705-4732.

### NPDES STORMWATER INDIVIDUAL PERMITS—(PAS)

The following NPDES Individual Permits for Discharges of Stormwater Associated with Construction Activities have been issued.

Persons aggrieved by an action may appeal, 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 the Administrative Agency Law), to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P. O. Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Environmental Hearing Board (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 any right of appeal beyond that permitted by applicable statutes and decision law.

For individuals who wish to challenge an action, appeals 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.

*Northeast Region: Water Management Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-0790.*

<i>NPDES Permit No.</i>	<i>Applicant Name and Address</i>	<i>County</i>	<i>Municipality</i>	<i>Receiving Water/Use</i>
PAS10Q001-2R-1	Hornstein Enterprises, Inc. 1150 S. Cedar Crest Blvd. Allentown, PA 18103	Lehigh	Lower Macungie Township	Little Lehigh Creek HQ-CWF
PAS10Q249	Kay Builders, Inc. 5940 Hamilton Blvd. Wescosville, PA 18106	Lehigh	Lower Macungie Township	Cedar Creek HQ-CWF
PAS10R037-2	Lake Lehman School District P. O. Box 38 Lehman, PA 18627	Luzerne	Lehman Township	Harvey's Creek HQ-CWF
PAS10R043	Reading Materials, Inc. P. O. Box 1467 Skippack, PA 19474	Luzerne	Lehman Township	Pikes Creek HQ-CWF
PAS10S114	LTS Development P. O. Box 160 Shawnee-on-Delaware, PA 18356	Monroe	Stroud Township	Wigwam Run Creek HQ-CWF
PAS10U179	Ron Del Development Corp. 3242 Farmersville Rd. Bethlehem, PA 18020	Northampton	Lower Nazareth Township	Monocacy Creek HQ-CWF
PAS10U181	Moore Township Bd. of Supervisors 2491 Community Dr. Bath, PA 18014	Northampton	Moore Township	Monocacy Creek HQ-CWF

#### **APPROVALS TO USE NPDES AND/OR OTHER GENERAL PERMITS**

The following parties have submitted: (1) Notices of Intent for Coverage under (1) General NPDES Permits to Discharge Wastewater into the Waters of the Commonwealth. The approval for coverage under these general NPDES permits is subject to applicable effluent limitations. Monitoring, reporting requirements and other conditions set forth in the general permit; (2) General Permits for Beneficial Use of Sewage Sludge or Residential Septage by Land Application in this Commonwealth; (3) General NPDES Permit Authorizing the Discharge of Stormwater Associated with Construction Activities to Waters of the Commonwealth; (4) Notification for First Use Application of Sewage Sludge.

The approval of coverage for land application of sewage sludge or residential septage under these general permits is subject to pollutant limitations, pathogen and vector attraction reduction requirements, operational standards, general requirements, management practices and other conditions set forth in the respective permit. The Department of Environmental Protection approves the following coverage under the specific General Permit.

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).

The application 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.

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#### **List of NPDES and/or Other General Permit Types**

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PAG-1	General Permit for Discharges From Stripper Oil Well Facilities
PAG-2	General Permit for Discharges of Stormwater Associated With Construction Activities (PAR)
PAG-3	General Permit for Discharges of Stormwater From Industrial Activities
PAG-4	General Permit for Discharges From Single Residence Sewage Treatment Plant
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 Nonexceptional 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 Nonexceptional Quality Sewage Sludge 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)

## NOTICES

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*General Permit Type—PAG-2*

<i>Facility Location and Municipality</i>	<i>Permit No.</i>	<i>Applicant Name and Address</i>	<i>Receiving Water/Use</i>	<i>Contact Office and Telephone No.</i>
Lower Paxton Township	PAR10I313	Kendale Oaks Corp. P. O. Box 151 Elizabethtown, PA 17022	Beaver Creek WWF	Dauphin County Conservation District 1451 Peters Mountain Rd. Dauphin, PA 17018 (717) 921-8100
Susquehanna Township	PAR10I320	Veterans Park Soccer Field Susquehanna Township 1900 Linglestown Rd. Harrisburg, PA 17110	Paxton Creek WWF	Dauphin County Conservation District 1451 Peters Mountain Rd. Dauphin, PA 17018 (717) 921-8100
Washington Township	PAR10I302-1	Donald L. and Lois M. Miller 1 Dawn Dr. Millersburg, PA 17061	Wiconisco Creek WWF	Lancaster County Conservation District 1383 Arcadia Road Room 6 Lancaster, PA 17601 (717) 299-5361
West Hempfield Township	PAR10O471	Redcay Development 259 Brook Farms Rd. Lancaster, PA 17601	UNT West Branch Little Conestoga Creek TSF	Lancaster County Conservation District 1383 Arcadia Road Room 6 Lancaster, PA 17601 (717) 299-5361
East Hempfield Township	PAR10O597	Homestead Village P. O. Box 3227 Lancaster, PA 17604	Brubaker Run WWF	Lancaster County Conservation District 1383 Arcadia Road Room 6 Lancaster, PA 17601 (717) 299-5361
Earl Township	PAR10O603	David L. Seibel 445 East Farmersville Rd. New Holland, PA 17557	UNT Conestoga River WWF	Lancaster County Conservation District 1383 Arcadia Road Room 6 Lancaster, PA 17601 (717) 299-5361
Paradise Township	PAR10O605	Lewis Denlinger/David Nolt 63 Harristown Rd. Paradise, PA 17562	Eshleman Run/Pequea Creek CWF	Lancaster County Conservation District 1383 Arcadia Road Room 6 Lancaster, PA 17601 (717) 299-5361
East Donegal Township	PAR10O606	Melhorn Development Co. Inc. P. O. Box 157 Mount Joy, PA 17552	Little Chickies Creek CWF	Lancaster County Conservation District 1383 Arcadia Road Room 6 Lancaster, PA 17601 (717) 299-5361
West Lampeter Township	PAR10O607	Frederick W. Steudler, Jr. 7335 River Rd. Conestoga, PA 17516	Mill Creek WWF	Lancaster County Conservation District 1383 Arcadia Road Room 6 Lancaster, PA 17601 (717) 299-5361



## NOTICES

*General Permit Type—PAG-3*

<i>Facility Location and Municipality</i>	<i>Permit No.</i>	<i>Applicant Name and Address</i>	<i>Receiving Water/Use</i>	<i>Contact Office and Telephone No.</i>
Indiana Borough Indiana County	PAR226122	Schroth Industries P. O. Box 669 Indiana, PA 15701	Fulton Run	Southwest Regional Office Water Management Program Manager 400 Waterfront Drive Pittsburgh, PA 15222-4745 (412) 442-4000
Youngwood Borough Westmoreland County	PAR236119	BFS Diversified Products LLC 525 Congressional Blvd. Carmel, IN 46032-5607	Jack's Run	Southwest Regional Office Water Management Program Manager 400 Waterfront Drive Pittsburgh, PA 15222-4745 (412) 442-4000
Deemston Borough Washington County	PAR806222	Deemston Borough 1622 Morey Road Fredericktown, PA 15333	UNT to Fishpot Run	Southwest Regional Office Water Management Program Manager 400 Waterfront Drive Pittsburgh, PA 15222-4745 (412) 442-4000
Darlington Township Beaver County	PAR806223	Nulfco Inc. 365 Taggart Road Darlington, PA 16115	UNT to Leslie Run	Southwest Regional Office Water Management Program Manager 400 Waterfront Drive Pittsburgh, PA 15222-4745 (412) 442-4000

*General Permit Type—PAG-4*

<i>Facility Location and Municipality</i>	<i>Permit No.</i>	<i>Applicant Name and Address</i>	<i>Receiving Water/Use</i>	<i>Contact Office and Telephone No.</i>
Indiana Township Allegheny County	PAR046153	Peter K. Blume 405 Church Lane Allison Park, PA 15101	Shafers Run	Southwest Regional Office Water Management Program Manager 400 Waterfront Drive Pittsburgh, PA 15222-4745 (412) 442-4000
Rayne Township Indiana County	PAG046264	Robert J. and Anna M. Immekus 4792 Route 286 Highway E. Indiana, PA 15701	Middle Fork Creek	Southwest Regional Office Water Management Program Manager 400 Waterfront Drive Pittsburgh, PA 15222-4745 (412) 442-4000

*General Permit Type—PAG-7*

<i>Facility Location &amp; Municipality</i>	<i>Permit No.</i>	<i>Applicant Name and Address</i>	<i>Site Name and Location</i>	<i>Contact Office and Telephone No.</i>
Narrowsburg, NY	PAG079901	Lang EnviroVentures, Inc. 60 Lake Street Narrowsburg, NY 12764	Lang EnviroVentures, Inc. 60 Lake Street Narrowsburg, NY 12764	BWSWM (717) 787-8184

*General Permit Type—PAG-8**Facility Location and Municipality**Permit No.**Applicant Name and Address**Contact Office and Telephone No.*Railroad Borough  
York County

PAG083573

New Freedom Borough Authority  
49 East High Street  
New Freedom, PA 17349DEP—SCRO  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200  
(717) 705-4707**PUBLIC WATER SUPPLY PERMITS**

The Department of Environmental Protection has taken the following actions on applications received under the Safe Drinking Water Act for the construction, substantial modification or operation of a public water system.

Persons aggrieved by an action may appeal, 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 the Administrative Agency Law), to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P. O. Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Environmental Hearing Board (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 any right of appeal beyond that permitted by applicable statutes and decision law.

For individuals who wish to challenge an action, appeals 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.

**SAFE DRINKING WATER****Actions taken under the Pennsylvania Safe Drinking Water Act (35 P. S. §§ 721.1—721.17).**

*Northeast Region: Water Supply Management Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-0790.*

**Operations Permit** issued to **Borough of Catasauqua**, 118 Bridge Street, Catasauqua, PA 18032-2598, PWS ID 3390044, Borough of Catasauqua, **Lehigh County**, on December 3, 2002, for the operation of facilities approved under Construction Permit Minor Amendment.

**Operations Permit** issued to **M. B. Boyle's Enterprises, LLC**, 1284 Seidersville Road, Bethlehem, PA 18015, PWS ID 2450097, Tunkhannock Township, **Monroe County**, on December 9, 2002, for the operation of facilities approved under Construction Permit 2450097.

**Operations Permit** issued to **Fieldcrest Water Association**, 625 Park Avenue, Shavertown, PA 18708, PWS ID 2400012, Jackson Township, **Luzerne County**, on December 10, 2002, for the operation of facilities approved under Construction Permit 4097507.

**Operations Permit** issued to **Maple Rock Trailer Court**, R. R. 1, Box 122, Henryville, PA 19332, PWS ID 2450006, Pocono Township, **Monroe County** on December 16, 2002, for the operation of facilities approved under Construction Permit 4589523.

**HAZARDOUS SITES CLEAN-UP  
UNDER THE ACT OF OCTOBER 18,  
1988****Prompt Interim Response****Superior Cleaners Site, Trafford,  
Westmoreland County**

The Department of Environmental Protection (Department), under the authority of the Hazardous Sites Cleanup Act (HSCA) (35 P. S. §§ 6020.102—6020.1303), has initiated a prompt interim response at the Superior Cleaners Site (Site), 215 Cavitt Avenue, Trafford, Westmoreland County. This response has been initiated under sections 501(a) and 505(b) of the HSCA (35 P. S. §§ 6020.501(a) and 6020.505(b)). The Site includes two buildings that are abandoned and have been unused for approximately 20 months.

Superior Cleaners operated as a dry cleaning facility; the owners of the facility are deceased. When business operations ceased, the contents of the buildings were abandoned, leaving hazardous substances and hazardous waste on the Site. The buildings were not secure and the Site is in a residential area with the nearest residence less than 100 feet away. Old, potentially leaking, underground storage tanks also remained on the property that contained hazardous substances. Soil contaminated from the leaking of previously removed underground storage tanks was also found on the site.

Because Site conditions presented a direct contact and inhalation threat to the public as well as a risk of explosion and fire, response action could not be delayed and a prompt interim response was initiated to address the threats. The scope of the response action included evaluation and proper containment of the hazardous substances and disposal of these substances off-Site.

The following alternatives were analyzed:

*Alternative 1. No action*—This alternative would require no action by the Department at this time. Hazardous substances and waste would remain on Site and the threat would remain.

*Alternative 2. Characterization, removal and disposal*—Under this alternative, chemicals, solvents and waste found at the Site are sampled and characterized for appropriate off-Site disposal and/or recycling/reuse. Leaking containers are over-packed and removed off-Site for proper handling. Underground storage tanks are removed and the contents properly characterized and removed off-Site for disposal. Contaminated soil encountered during excavation of storage tanks or contaminated soil remaining from tanks previously removed are excavated and disposed of off-Site.

The Department has determined that Alternative 2 is the most appropriate response to address the threats associated with this Site. This alternative is more protective of human health and the environment than Alternative 1 and is cost effective. The Department mobilized its contractor on August 19, 2002, and has characterized and containerized the hazardous substances and waste abandoned on the Site. The old underground storage tanks have been removed, their contents characterized, containerized and disposed of off-Site. Soil contaminated from leaking underground storage tanks has been excavated and removed. The remaining containerized hazardous substances will be removed from the Site for disposal once approval is received from the disposal facility.

This notice is being provided under section 506(b) of the HSCA. The administrative record which contains the information that forms the basis and documents the selection of this response action is available for public review and comment. The administrative record is located at the Department's Regional Office at 400 Waterfront Drive, Pittsburgh, PA and is available for review Monday through Friday from 9 a.m. to 4 p.m.

The administrative record will be open for comment from January 11, 2003, until April, 11, 2003. Persons may submit written comments into the record, during this time only, by sending or delivering them to Terry Goodwald, 400 Waterfront Drive, Pittsburgh, PA 15222.

In addition, persons may present oral comments, for inclusion in the administrative record, at a public hearing on February 19, 2003, at 7 p.m. in the Trafford Municipal Building Community Room, 400 Duquesne Avenue, Trafford. Persons wishing to present comments must register by February 18, 2003, with Betsy Mallison, 400 Waterfront Drive, Pittsburgh, PA 15222, (412) 442-4182.

Persons with a disability who wish to attend the hearing and require auxiliary aid, service or other accommodations to participate in the proceedings, should call Betsy Mallison at (412) 442-4000 or through the Pennsylvania AT&T Relay Service at (800) 654-5984 (TDD) to discuss how the Department may accommodate their needs.

#### **Administrative Record Reopening**

##### **Smalis Penn Avenue Site, Pittsburgh, Allegheny County**

The Department, under the authority of the HSCA, reopens the administrative record on January 11, 2003, under section 506(b) of the HSCA to provide the public the opportunity to comment on the prompt interim response selected. The public comment period expired on September 9, 2002. The Department closed the administrative record by filing the Statement of Decision and the Response to Public Comments under section 506(e) of the HSCA.

The Department now reopens the administrative record under section 506(g) and (h) of the HSCA to further document the Department's response costs.

The new information is available within the administrative record for public review and comment. The administrative record is located at the Department's Southwest Regional Office in Pittsburgh and is available for review Monday through Friday from 8 a.m. to 4 p.m.

The new information contained in the administrative record will be open for comments until March 11, 2003. Persons may submit written comments regarding the new information entered into the record during this time only,

by sending or delivering them to Kevin Halloran, Environmental Cleanup Program, 400 Waterfront Drive, Pittsburgh, PA 15222.

If requested, the Department will conduct a public hearing where persons may present oral comments regarding the new information for inclusion in the administrative record. A request for a public hearing must be made in writing and must be post marked by February 10, 2003. The request should be mailed to Betsy Mallison, Community Relations Coordinator, 400 Waterfront Drive, Pittsburgh, PA 15222. A public hearing will not be held if the Department does not receive a written request by the date specified.

## **LAND RECYCLING AND ENVIRONMENTAL REMEDIATION**

### **UNDER ACT 2, 1995**

#### **PREAMBLE 2**

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#### **The following final reports were submitted under the Land Recycling and Environmental Remediation Standards Act (35 P. S. §§ 6026.101—6026.908).**

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Provisions of Chapter 3 of the Land Recycling and Environmental Remediation Standards Act (Act) require the Department of Environmental Protection (Department) to publish in the *Pennsylvania Bulletin* a notice of submission of final reports. A final report is submitted to document cleanup of a release of a regulated substance at a site where 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.

For further information concerning the final report, contact the Environmental Cleanup Program Manager in the Department of Environmental Protection Regional Office under which the notice of receipt of a final report appears. If information concerning a final report is required in an alternative form, contact the Community Relations Coordinator at the appropriate Regional Office listed. TDD users may telephone the Department through the AT&T Relay Service at (800) 654-5984.

The Department has received the following final reports:

*Northeast Regional Field Office, Joseph A. Brogna, Environmental Cleanup Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-0790, (570) 826-2511.*

**PPL—Former Tamaqua Manufactured Gas Plant Facility, Tamaqua Borough, Schuylkill County.** John J. Mahfood, Corporate Environmental Solutions, LLC, 260 Millers Run Road, Bridgeville, PA 15017 submitted a Risk Assessment Report (on behalf of PPL Electric Utilities Corp., 2 North Ninth Street, Allentown, PA, 18101) concerning the risk evaluation of site soils and groundwater found or suspected to have been contaminated with polycyclic aromatic hydrocarbons, petroleum hydrocarbons and BTEX constituents as the result of historic manufactured gas plant operations. The report was submitted in partial fulfillment of the Site Specific Standard.

**Highland Group Ind. Sheffield Property, 35 Mill Street, Sheffield, PA 16347, Sheffield Township, Warren**

**County.** Karen E. Souza, Civil & Environmental Consultants (on behalf of Highland Group Ind.) has submitted a Risk Assessment Report concerning remediation of soil contaminated with chlorinated solvents. The report is intended to document remediation of the site to meet the Site Specific Standards. Public notice in the *Valley Voice*, edition to be determined.

## LAND RECYCLING AND ENVIRONMENTAL REMEDIATION

UNDER ACT 2, 1995

### PREAMBLE 3

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**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—6026.908).**

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Provisions of 25 Pa. Code § 250.8, Administration of the Land Recycling and Environmental Remediation Standards Act (Act) requires the Department of Environmental Protection (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 provisions of 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 refuse 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 provisions of 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 listed. 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: Joseph A. Brogna, Environmental Cleanup Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-0790, (570) 826-2511.*

**Conewago Equities (former Ross Bike, aka former Chain Bike Corp.),** Hanover Township, **Lehigh County.** Andrew C. Thomas, P. G., American Resource Consultants, Inc., 4459 W. Swamp Road, Doylestown, PA 18901 submitted a Final Report for soils (on behalf of Allen Smith, Vice President, Conewago Equities, L. P., 610 Edgegrove Road, Hanover, PA 17331) concerning the remediation of soils found or suspected to have been contaminated with metals, chlorinated solvents and polycyclic aromatic hydrocarbons. The report documented attainment of the Statewide Health Standard and was approved on December 23, 2002.

### OPERATE WASTE PROCESSING OR DISPOSAL AREA OR SITE

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**Permits renewed 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.**

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*Southcentral Region: Regional Solid Waste Manager, 909 Elmerton Avenue, Harrisburg, PA 17110.*

**Permit No. 100006. Washington Township,** 13013 Welty Road, Waynesboro, PA 17268, Washington Township, **Franklin County.** The application is for permit renewal for the Washington Township Transfer Station. The permit was determined to be administratively complete by the Southcentral Regional Office on December 23, 2002.

**Permit No. 100006. Washington Township,** 13013 Welty Road, Waynesboro, PA 17268, Washington Township, **Franklin County.** The application is for Radiation Monitoring Plan for the Washington Township Transfer Station. The permit was determined to be administratively complete by the Southcentral Regional Office on December 23, 2002.

Persons interested in reviewing the general permit may contact John Krueger, Program Manager, Waste Management Program, 909 Elmerton Avenue, Harrisburg, PA 17110, (717) 705-4706. TDD users may contact the Department through the Pennsylvania Relay Service, (800) 654-5984.

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**Permit issued 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.**

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*Southwest Region: Regional Solid Waste Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.*

**Permit No. 101648. Genesis Autoclave and Transfer Facility, Genesis Environmental, Ltd.,** 380 Locust Street, McKeesport, PA 15132. Operation of a infectious/chemotherapeutic waste processing facility in the City of McKeesport, **Allegheny County.** This permit modification authorizes implementation of Radiation Protection Action Plan issued in Regional Office on December 23, 2002.

Persons interested in reviewing the permit may contact the Department of Environmental Protection, Land Recycling and Waste Management, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; (412) 442-4000; TDD users may contact the Department through the Pennsylvania Relay Service at (800) 654-5984.

### **MUNICIPAL AND RESIDUAL WASTE TRANSPORTER AUTHORIZATION**

**Issued applications for Municipal and Residual Waste Transporter Interim Authorization received under the Waste Transportation Safety Act (27 Pa.C.S. §§ 6201–6209) and regulations to transport municipal or residual waste.**

*Central Office: Bureau of Land Recycling and Waste Management, Division of Municipal and Residual Waste, P. O. Box 8472, Harrisburg, PA 17105-8472.*

**Amarildo A. Dalbo**, 1600 Cornell Drive, Linden, NJ 07036. Authorization No. WH0640. Effective December 17, 2002.

**Zaja Bajramovic**, 7913 Bay Parkway, Brooklyn, NY 11214. Authorization No. WH0642. Effective December 17, 2002.

**Emerson M. Franco**, 3031 NE 11th Ave., Pompano Beach, FL 33064. Authorization No. WH2429. Effective December 17, 2002.

**Clean Harbors Environmental Services Inc.**, 1501 Washington St., P. O. Box 859048, Braintree, MA 02185-9048. Authorization No. WH1396. Effective December 17, 2002.

**Smith Truck Service Inc.**, P. O. Box 1329, 1130 Commercial Ave., Steubenville, OH 43952-6329. Authorization No. WH1539. Effective December 17, 2002.

**Miners Oil Co.**, P. O. Box 86, Tremont, PA 17981. Authorization No. WH1570. Effective December 17, 2002.

**Miners Environmental**, P. O. Box 86, 284 SR 209 Highway, Tremont, PA 17981. Authorization No. WH1571. Effective December 17, 2002.

**Safety Kleen Corp.**, 3003 W. Breezewood Lane, Neenah, WI 54957. Authorization No. WH1589. Effective December 17, 2002.

**Fanny M. Coronel-Penafiel**, 277 North 12 Street, Newark, NJ 07107. Authorization No. WH1540. Effective December 19, 2002.

**RI Trucking**, 621 Adams Ave., Elizabeth, NJ 07201. Authorization No. WH1542. Effective December 19, 2002.

**Munoz Trucking**, 138 Overlook Ave., Belleville, NJ 07109. Authorization No. WH1543. Effective December 19, 2002.

**Orlando C. Munoz**, 138 Overlook Ave., Belleville, NJ 07109. Authorization No. WH2300. Effective December 19, 2002.

**Rainbow Transport Corporation**, 167 Stephens Park Road, Hackettstown, NJ 07840-5518. Authorization No. WH1544. Effective December 19, 2002.

**Jose A. Silva**, 344 N. 6 St., Newark, NJ 07107. Authorization No. WH1546. Effective December 19, 2002.

**Samuel C. Vilareal**, 50 John St., Carteret, NJ 07008. Authorization No. WH1547. Effective December 19, 2002.

**TEV Corp.**, 182 Calcutta St., Newark, NJ 07114. Authorization No. WH1548. Effective December 19, 2002.

**Israel Rodriguez**, 3466 Frankford Ave., Philadelphia, PA 19134. Authorization No. WH1549. Effective December 19, 2002.

**Oscar Montesdeoca**, 117 20th St., Union City, NJ 07087. Authorization Nos. WH1550 and WH1522. Effective December 19, 2002.

**Mario Montesdeoca**, Apt. 20, 256 South 4 St., Brooklyn, NY 11211. Authorization No. WH1551. Effective December 19, 2002.

**Burnel Jones**, 1525 E. Tulpehocken St., Philadelphia, PA 19138. Authorization No. WH1554. Effective December 19, 2002.

**Filiberto Calzadilla**, 1215 June Road, Huntington Valley, PA 19006. Authorization No. WH1555. Effective December 19, 2002.

**Alfonso Jaquez Reyes**, P. O. Box 12265, 351 N. 10 St., Reading, PA 19612. Authorization No. WH1556. Effective December 19, 2002.

**Yvonne Johnson**, 5940 Irving St., Philadelphia, PA 19139. Authorization No. WH1558. Effective December 19, 2002.

**Ezequais Lima**, 571, 3300 Neshaminy Blvd., Bensalem, PA 19020. Authorization No. WH1559. Effective December 19, 2002.

**Paulo C. Menezes**, 1216 Allen Grove St., Philadelphia, PA 19124. Authorization No. WH1560. Effective December 19, 2002.

**Kastriot Isai**, 5479 Rinker Circle, Doylestown, PA 18901. Authorization No. WH1561. Effective December 19, 2002.

**Fausto F. Pereira**, 2nd Floor, 8302 Bustleton Ave., Philadelphia, PA 19152. Authorization No. WH1562. Effective December 19, 2002.

**Edson Deoliveira**, Apt. 304, 2401 Hoffnagle St., Philadelphia, PA 19152. Authorization No. WH1563. Effective December 19, 2002.

**Ailson Pina**, 3738 Vader Road, Philadelphia, PA 19154. Authorization No. WH1565. Effective December 19, 2002.

**Vincente P. Tostes**, 9716 Roosevelt Blvd., 1st Fl., Philadelphia, PA 19115. Authorization No. WH1566. Effective December 19, 2002.

**Valmir F. Alves Jr.**, Apt. 1, 3127 Morning Glory Road, Philadelphia, PA 19152. Authorization No. WH1567. Effective December 19, 2002.

**BFI Waste Service of PA LLC**, 820 Quarry Road, Morgantown, PA 19543-0128. Authorization No. WH1386. Effective December 19, 2002.

**Pegaso Transport Inc.**, 294 Boulevard, Passaic, NJ 07055. Authorization No. WH1573. Effective December 20, 2002.

**Pegaso Trucking Corp.**, 294 Boulevard, Passaic, NJ 07055. Authorization No. WH1574. Effective December 20, 2002.

**Ecio G. Aruda**, 1392 Isabella Ave., Union, NJ 07083. Authorization No. WH1575. Effective December 20, 2002.

**Ilma R. Reis**, 221 Old Forge Drive, Bath, PA 18014. Authorization No. WH1576. Effective December 20, 2002.

**Valdeci Marcos**, 582 Madison Ave., Elizabeth, NJ 07201. Authorization No. WH1577. Effective December 20, 2002.

**Edmilton S. Arruda**, 1392 Isabella Ave., Union, NJ 07083. Authorization No. WH1578. Effective December 20, 2002.

**Jose M. Martinez**, 526 Market St., Newark, NJ 07100. Authorization No. WH1579. Effective December 20, 2002.

**Mauricio Vargas**, 582 Madison Ave., Elizabeth, NJ 07201. Authorization No. WH1580. Effective December 20, 2002.

**J G Trucking**, Apt. 57, 311 79th St., North Bergen, NJ 07047. Authorization No. WH1581. Effective December 20, 2002.

**Fredi Martinez**, Apt. 1, 1RR, 526 Market St., Newark, NJ 07100. Authorization No. WH1582. Effective December 20, 2002.

**T & L Transfer Inc.**, P. O. Box 474, 7 Redwood Road, Blakeslee, PA 18610. Authorization No. WH1583. Effective December 20, 2002.

**All Star Trucking & Hauling LLC**, P. O. Box 166, Belleville, NJ 07109. Authorization No. WH1584. Effective December 20, 2002.

**Intek Auto Leasing Inc.**, 372 N. 7 St., Newark, NJ 07107. Authorization No. WH1585. Effective December 20, 2002.

**First Colonial Funding Corp.**, 209 Mt. Prospect Ave., Newark, NJ 07104. Authorization No. WH1586. Effective December 20, 2002.

**First Colonial Funding Corp.**, 209 Mt. Prospect Ave., Newark, NJ 07104. Authorization No. WH1587. Effective December 20, 2002.

**Allserveco Inc.**, 3 Jill Terrace, Fairfield, NJ 07004. Authorization No. WH1588. Effective December 20, 2002.

**Hughes Disposal**, 1545 Orange Street, Berwick, PA 18603. Authorization No. WH1240. Effective December 18, 2002.

**Bangor Borough Authority**, 900 Lower South Main Street, P. O. Box 51, Bangor, PA 18013-0051. Authorization No. WH1239. Effective December 18, 2002.

**Richard Greenwald**, 111 Church Street, Lodi, NJ 07644. Authorization No. WH1238. Effective December 18, 2002.

**Lancaster Oil Company**, 1062 Old Manheim Pike, Lancaster, PA 17601-3177. Authorization No. WH1141. Effective December 18, 2002.

**Tanncor, Inc.**, 11352 Industrial Road, Manassas, VA 20109-3910. Authorization No. WH1246. Effective December 18, 2002.

**Mico Petroleum Company, Inc.**, P. O. Box 550, 1075 Route 22 West, Philipsburg, NJ 08865. Authorization No. WH0760. Effective December 18, 2002.

**Thomas W. Brydon Jr.**, 612 Ridge Road, Hooversville, PA 15936. Authorization No. WH1331. Effective December 18, 2002.

**J. F. Huebner & Son, Inc.**, 13131 R. Townsend Road, Philadelphia, PA 19154. Authorization No. WH1269. Effective December 18, 2002.

**Roll Off Express, Inc.**, P. O. Box 448, 2900 Dede Road, Finksburg, MD 21048. Authorization No. WH0921. Effective December 17, 2002.

**Bailey Trucking, Inc.**, 376 Chestnut St., Newark NJ 07114-2807. Authorization No. WH1122. Effective December 16, 2002.

**Mid State Trading Co.**, P. O. Box 3275, 2525 Trenton Ave., Williamsport, PA 17701. Authorization No. WH1127. Effective December 10, 2002.

**A. W. Long Coal & Co.**, 1203 E. Presqueisle St., Philipsburg, PA 16866-1225. Authorization No. WH1149. Effective December 16, 2002.

**Kenneth D. Starr**, SR 1002, Road 4, Box 37A, Clearfield, PA 16830. Authorization No. WH1150. Effective December 16, 2002.

**James Fidler**, 15 W. Linwood Ave., Maple Shade, NJ 08052. Authorization No. WH1228. Effective December 16, 2002.

**Ricardo Pilotos**, 10029 Ferndale St., Philadelphia, PA 19116. Authorization No. WH1229. Effective December 16, 2002.

**Edwin Correa**, 2509 Bonaffon St., Philadelphia, PA 19142. Authorization No. WH1230. Effective December 16, 2002.

**Mighty Joe Young Trucking**, 4732 Roosevelt Blvd. No. 303, Philadelphia, PA 19124-2338. Authorization No. WH1231. Effective December 16, 2002.

**Albert Buonanno**, 4360 Edgemount St., Philadelphia, PA 19137. Authorization No. WH1232. Effective December 16, 2002.

**Reiss Bros. Hauling LLC**, 1154 Passer Rd., Coopersburg, PA 18036-9631. Authorization No. WH1233. Effective December 16, 2002.

**David Schuck**, 4354 Mountain Rd., Slatington, PA 18080. Authorization No. WH1234. Effective December 19, 2002.

**Onyx PA Waste Services, LLC**, 22 Main St., Mainland, PA 19451. Authorization No. WH1235. Effective December 16, 2002.

**SDS of Olean**, 225 Homer St., Olean, NY 14760-1131. Authorization No. WH1236. Effective December 16, 2002.

**Robert C. Baer & Sons, Inc.**, 2936 Limekiln Rd., Birdsboro, PA 19508. Authorization No. WH1237. Effective December 16, 2002.

**Midway Removal Inc.**, P. O. Box 289, Bartonsville, PA 18344. Authorization No. WH1252. Effective December 17, 2002.

**Classic Haulers Inc.**, 1824 Ardin Drive, Norristown, PA 19403. Authorization No. WH1253. Effective December 17, 2002.

**Obed Olmo**, 3815 N. 7th St., Philadelphia, PA 19140. Authorization No. WH1254. Effective December 17, 2002.

**Monterey Refuse Service**, 480 W. Chrisne Road, Nottingham, PA 19362. Authorization No. WH1255. Effective December 17, 2002.

**Marc Fehr's Hauling**, 31 Old Company Road, Barto, PA 19504. Authorization No. WH1256. Effective December 17, 2002.

**James A. Kriner**, 1123 High St., Williamsport, PA 17701. Authorization No. WH1258. Effective December 17, 2002.

**MSL Oil & Gas Corp.**, P. O. Box 151, Bradford, PA 16701-0151. Authorization No. WH1259. Effective December 17, 2002.

**Driftwood Borough, Clarion County**, P. O. Box 235 Third St., Driftwood, PA 15832. Authorization No. WH1260. Effective December 17, 2002.

**JDR Leasing Inc.**, 480 W. Christine Rd., Nottingham, PA 19362. Authorization No. WH1261. Effective December 17, 2002.

**Lewis Bros.**, 200 Tohickon Ave., Quakertown, PA 18951-1339. Authorization No. WH1262. Effective December 19, 2002.

**L. E. Muthard Inc.**, 600 Linden Avenue, Reading, PA 19605. Authorization No. WH1077. Effective December 17, 2002.

**Gabriel H. Camacho**, 50 Arbutus Lane, P. O. Box 155, Marshalls Creek, PA 18335. Authorization No. WH1080. Effective December 17, 2002.

**Oliveira Everton**, Floor 1, 84 Somme Street, Newark, NJ 07105. Authorization No. WH1081. Effective December 17, 2002.

**Blair County Resource Recovery Facility Inc.**, P. O. Box 929, R. R. 1 Box 938A, Altoona, PA 16603-0929. Authorization No. WH1082. Effective December 17, 2002.

**Lower Merion Township, Montgomery County**, 75 East Lancaster Avenue, Ardmore, PA 19003-2323. Authorization No. WH1083. Effective December 17, 2002.

**Goodwill Industries of North Central Pennsylvania Inc.**, 511 Locust Street, P. O. Box 684, DuBois, PA 15801-0684. Authorization No. WH1084. Effective December 17, 2002.

**IDM Transport**, 610 Supor Boulevard, Harrison, NJ 07029. Authorization No. WH1085. Effective December 17, 2002.

**Ernesto F. Guzman**, 2747 Throop Avenue, Bronx, NY 10469. Authorization No. WH0353. Effective December 18, 2002.

**Pinciotti Rubbish Removal Corporation**, 948 Greenhouse Lane, Secane, PA 19018-3432. Authorization No. WH1116. Effective December 16, 2002.

**D & L Freight Service, Inc.**, Suite 1, 506 Pender Street East, Wilson, NC 27893-4244. Authorization No. WH1143. Effective December 18, 2002.

**Mike Dohner Trucking**, 2475 Cloverleaf Road, Elizabethtown, PA 17022. Authorization No. WH1152. Effective December 20, 2002.

**City of York**, 1 Marketway West, 3rd Floor, York, PA 17401-1231. Authorization No. WH1281. Effective December 20, 2002.

**Renn's Trash Removal, Inc.**, 180 Taylorsville Road, Pitman, PA 17964-9238. Authorization No. WH1285. Effective December 20, 2002.

**Livergood's Disposal**, 2069 Eckard Road, Cogan Station, PA 17728. Authorization No. WH1286. Effective December 20, 2002.

**Weaver's Sanitation Service, Inc.**, 349 East Graceville Road, Breezewood, PA 15533-8017. Authorization No. WH1287. Effective December 20, 2002.

**H.M.H.T.T.C. Response Team, Inc.**, P. O. Box 5215, Parsippany, NJ 07054. Authorization No. WH1288. Effective December 20, 2002.

**Paper Recycling, Inc.**, P. O. Box 7, Boyertown, PA 19512. Authorization No. WH1289. Effective December 20, 2002.

**S & J Recycling, Inc.**, P. O. Box 285, Lock Haven, PA 17745-0285. Authorization No. WH1290. Effective December 20, 2002.

**Eastern Construction Associates, Inc.**, 201 West Clymer Avenue, Sellersville, PA 18960. Authorization No. WH1291. Effective December 20, 2002.

**Town of Phillipsburg**, 675 Corliss Avenue, Phillipsburg, NJ 08865. Authorization No. WH1292. Effective December 20, 2002.

**College Township, Centre County**, 1481 East College Avenue, State College, PA 16801-6815. Authorization No. WH1293. Effective December 20, 2002.

**Young's Bus Lines, Inc.**, 3279 Portico Road, Chambersburg, PA 17201-9573. Authorization No. WH1294. Effective December 20, 2002.

**Heistand Brothers Trucking, Inc.**, 3421 Sunnyside Road, Elizabethtown, PA 17022. Authorization No. WH1296. Effective December 20, 2002.

**Clark's Disposal Service**, R. R. 6, Box 254, Danville, PA 17821-8742. Authorization No. WH1297. Effective December 20, 2002.

**Kreamer Construction, Inc.**, P. O. Box 88, Middleburg, PA 17842. Authorization No. WH1298. Effective December 20, 2002.

**Charles E. Groff & Sons, Inc.**, P. O. Box 84, Mount Joy, PA 17552-8723. Authorization No. WH1299. Effective December 20, 2002.

**Croyle Township, Cambria County**, Box 379, Summerhill, PA 15958. Authorization No. WH1300. Effective December 20, 2002.

**ERG Container Service Inc.**, 85 Old Bloomfield Avenue, Pine Brook, NJ 07058. Authorization No. WH0911. Effective December 16, 2002.

**Pittsburgh Rolloff Service Inc.**, 606 Hargrove Street, Pittsburgh, PA 15226. Authorization No. WH1054. Effective December 16, 2002.

**Mark A. Benton**, 1028 1/2 Caldwell Avenue, Portage, PA 15946. Authorization No. WH1065. Effective December 16, 2002.

**High Country General Hauling Inc.**, 4100 7th Avenue, Temple, PA 19560. Authorization No. WH1242. Effective December 16, 2002.

**Cook & Young Industries Inc.**, P. O. Box 743, Blue Bell, PA 19422. Authorization No. WH1243. Effective December 16, 2002.

**Jose A. Ortiz**, 1443 Elbridge Street, Philadelphia, PA 19149. Authorization No. WH1244. Effective December 16, 2002.

**Randall S. Yothers**, R. R. 1 Box 398, Tyrone, PA 16686. Authorization No. WH1245. Effective December 16, 2002.

**Marcos Decarvalho**, Apt. 1, 61 Marrimac Street, Danbury, CT 06810. Authorization No. WH1012. Effective December 16, 2002.

**Avtar Singh**, 302 Buffalo St., White Haven, PA 18661. Authorization No. WH0843. Effective December 19, 2002.

**Auston Contracting Inc.**, 1202 Pauls Lane, Joppa, MD 21085. Authorization No. WH1241. Effective December 19, 2002.

**Del Basso Trucking Inc.**, R. R. 2 Box 220, Turbotville, PA 17772. Authorization No. WH1247. Effective December 18, 2002.

**A. Mariannis Sons Inc.**, 2942 E. Tioga Street, P. O. Box 26821, Philadelphia, PA 19134. Authorization No. WH1250. Effective December 19, 2002.

**Chiles & Sullivan Inc.**, P. O. Box 287, 1230 Mickley Road, Whitehall, PA 18052. Authorization No. WH1257. Effective December 18, 2002.

**Brent L. Finkbiner**, 65 Lyndell Road, Downingtown, PA 19335. Authorization No. WH1263. Effective December 18, 2002.

**Hartley Township, Union County**, P. O. Box 128, Laurelton, PA 17835-0128. Authorization No. WH1264. Effective December 18, 2002.

**American Asbestos Control Co.**, 60 Progress Ave., Cranberry Township, PA 16066-3512. Authorization No. WH1265. Effective December 18, 2002.

**Paul Doherty**, Route 53, P. O. Box 157, Grassflat, PA 16839. Authorization No. WH1266. Effective December 18, 2002.

**Orlando E. Torres**, 552 E. Wyoming Ave., Philadelphia, PA 19120. Authorization No. WH1267. Effective December 18, 2002.

**Justus Transport Inc.**, 199 Hoyt St., Kearny NJ 07032-3312. Authorization No. WH1334. Effective December 19, 2002.

**Danskin Inc.**, 305 State St., York, PA 17403. Authorization No. WH1335. Effective December 19, 2002.

**AWF Trucking Inc.**, 2 Fish House Rd., Kearny NJ 07032. Authorization No. WH1337. Effective December 19, 2002.

## 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.**

*Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790; Contact: Michael Saffo, Facilities Permitting Chief, (570) 826-2531.*

**40-310-052GP: Airport Sand and Gravel Co., Inc.** (500 Swetland Lane, West Wyoming, PA 18644) for construction and operation of a portable stone crushing operation and associated air cleaning device in Duryea Borough, **Luzerne County**.

*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: Mark Wayner, Facilities Permitting Chief, (412) 442-4174.*

**GP-30-00145: Greene Energy LLC** (1800 Washington Road, Pittsburgh, PA 15241) December 17, 2002, a GP-5 for installation and operation of a Caterpillar Model G3408CLE 425 Bhp Compressor Engine in Wayne Township, **Green County**.

**Plan Approvals Issued under the Air Pollution Control Act (35 P. S. §§ 4001—4015) 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.**

*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: William Charlton, New Source Review Chief, (412) 442-4174.*

**11-00356A: Peoples Natural Gas** (Dominion Tower, 625 Liberty Avenue, Pittsburgh, PA 15222) on December 19, 2002, at a Title V facility for installation of a natural

gas dehydration unit and pipeline heater at the Rager Mountain/Laurel Ridge Compressor Station located in Jackson Township, **Cambria County**.

**65-00143A: Hanson Aggregates PMA, Inc.** (Salem Place, Suite 340, 390 Route 22, Delmont, PA 15626) on December 19, 2002, for installation and operation of diesel engines at Torrance Quarry, Derry Township, **Westmoreland County**.

*Northwest Region: Air Quality Program, 230 Chestnut Street, Meadville, PA 16335-3481; Contact: Devendra Verma, New Source Review Chief, (814) 332-6940.*

**37-248E: US Can Co.** (1902 Old Butler Road, New Castle, PA 16101) on December 16, 2002, for installation of a regenerative thermal oxidizer in New Castle, **Lawrence County**.

**62-017H: United Refining Co.** (Dobson and Bradley Streets, Warren, PA 16335) on December 10, 2002, for the low sulfur gas project in Warren, **Warren County**.

*Department of Public Health, Air Management Services: 321 University Avenue, Philadelphia, PA 19104; Contact: Thomas Barsley, Chief, (215) 685-9428.*

**AMS 02253: Naval Surface Warfare Center** (5001 South Broad Street, Code 357, Philadelphia, PA 19112) for installation of a marine gas turbine test cell in Philadelphia, **Philadelphia County**.

**Plan Approval Revisions Issued including Extensions, Minor Modifications and Transfers of Ownership under the Air Pollution Control Act (35 P. S. §§ 4001—4015) and 25 Pa. Code §§ 127.13, 127.13a and 127.32.**

*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: William Charlton, New Source Review Chief, (412) 442-4174.*

**04-00013A: J and L Specialty Steel** (1200 Midland Avenue, Midland, PA 15059) for the Steckel Mill and Melt Shop Modifications in Midland, **Beaver County**. J and L Specialty Steel has requested that the Plan Approval be modified to identify the purchase and acquisition of ERCs. The following condition has been added to Plan Approval PA-04000013A:

- Condition 3(d)(i); "J and L Specialty Steel has secured 40 tons of NOx Emission Reduction Credits generated from the shutdown of National Fuel Gas Supply Corporation's Roystone Compressor Station in Sheffield Township, Warren County, PA. The ERC registry has been revised to reflect the transfer of these credits to J and L."

**04-072B: Consol Pennsylvania Coal Co.** (1800 Washington Road, Pittsburgh, PA 15241) for the modification to the Bailey Preparation Plant in Richhill Township, **Greene County**. Consol has requested this minor modification to reflect the use of 434.5 TPY of VOC ERCs previously acquired by and transferred to Consol for the Bailey Preparation Plant.

**04-072C: Consol Pennsylvania Coal Co.** (1800 Washington Road, Pittsburgh, PA 15241) for the modification to the Bailey Preparation Plant in Richhill Township, **Greene County**. Consol has requested this minor modification to reflect the use of 108.8 TPY of VOC ERCs previously acquired by and transferred to Consol for the Bailey Preparation Plant.

*Northwest Region: Air Quality Program, 230 Chestnut Street, Meadville, PA 16335-3481; Contact: Devendra Verma, New Source Review Chief, (814) 332-6940.*



**16-035A: The Commodore Corp.** (Route 66 North, Clarion, PA 16214) on November 30, 2002, for operation of a manufactured housing plant in Clarion, **Clarion County**.

**10-313-028B: INDSPEC Chemical Corp.** (133 Main Street, Petrolia, PA 16050) on December 30, 2002, for a scrubber in Petrolia, **Butler County**.

**Title V Operating Permits Issued under the Air Pollution Control Act (35 P. S. §§ 4001—4015) and 25 Pa. Code Chapter 127, Subchapter G.**

*Southeast Region: Air Quality Program, Lee Park, Suite 6010, 555 North Lane, Conshohocken, PA 19428; Contact: Edward Brown, Facilities Permitting Chief, (610) 832-6242.*

**15-00014: Saint Gobain Performance Plastics/Malvern** (57 Morehall Road, Malvern, PA 19355) on December 19, 2002, the Title V Operating Permit was issued as an Administrative Amendment to incorporate changes approved under plan approval number PA150014C in East Whiteland Township, **Chester County**. The Administrative Amendment of the Title V Operating Permit was issued under the Air Pollution Control Act (35 P. S. §§ 4001—4015) and 25 Pa. Code § 127.450. The amended Title V Operating Permit includes additional requirements including monitoring, recordkeeping, reporting and emission limits. The initial permit was issued April 30, 2001.

**46-00036: Visteon Systems LLC** (2750 Morris Road, Lansdale, PA 19446) for issues relating to the original appeal are contained in EHB Docket No. 2000-138-MG located in Worcester Township, **Montgomery County**. The appeal issues and other conditions that have been addressed in the revised Title V Permit:

a. Section A and D (Appeal Issue)—revision of the Capacity/Throughput values for Source ID: 732 (Emergency Generators 1 and 2) and Source ID: 733 (Emergency Generator 3).

b. Section D (Appeal Issue)—Wave Solders Nos. 3, 4, 6, 8 and 9 (Source IDs: 127—131) and Selective Solders Nos. 4 and 5 (Source IDs: 138 and 139), including changes in monitoring, recordkeeping and work practice conditions.

c. Section D (Appeal Issue)—Selective Solder Nos. 2 and 3 (Source IDs: 135 and 136), includes a change to the particulate matter emission limit (that is, 0.04 grain per dry standard cubic foot).

d. Section D (Appeal Issue)—Natural Gas Fired Equipment (Source ID: 099), Emergency Generators 1 and 2 (Source ID: 732) and Emergency Generator No. 3 (Source ID: 733), include a change to the SO<sub>2</sub> emission limit (that is, 1.2 pounds per million Btu).

e. Section C, Conditions Nos. 025—028—These conditions has been omitted and are no longer applicable because the company has already submitted the required information as part of the permitting process.

f. Section D, Conditions Nos. 004—007—These conditions have been revised so that the emission limits for Source ID: 731 (Electric Generators (5)) will be the aggregate total from the five generators rather than from each individual source).

g. Section D, Condition No. 013—The Department has that condition is applicable because of the Plan Approval Extension (PA-46-0036A) for the installation of Urea Selective Catalytic Reduction control for the Electric (Diesel) of Generators (5)—Source ID: 731, is still in the

Plan Approval phase and has not been inspected and approved for an Operating Permit.

h. Section A and D—incorporation of Source ID: 140 (Selective Solder No. 6), including all applicable restrictions, monitoring, recordkeeping and work practice conditions.

i. Section A and D—incorporation of Source ID: 141 (Selective Solder No. 7), including all applicable restrictions, monitoring, recordkeeping and work practice conditions.

j. Section D, IPA Repair and Cleaning Stations (Source ID: 163), Condition No. 002—This source will remain in Section D and the Department agrees to omit the de minimis VOC limit (3.0 lb/hr, 15.0 lb/day and 2.7 tpy). The Department will require monitoring and recordkeeping of the total amount of IPA Cleaner (solvent) used at the facility on a weekly and annual basis, which is consistent with requirements from the EPA and is needed for the annual Air Information Management Systems (AIMS) report. In addition, Visteon is required to report the total VOC emissions from this source in its annual AIMS report. Furthermore, at a later date, the Department may revise the RACT condition based on emission data obtained from the AIMS report.

k. Section D, Miscellaneous Sources (Source ID: 199), Condition No. 002—has been revised to include the term "... each of the individual sources ..." as a provision of the de minimis VOC emission limit (3.0 lb/hr, 15.0 lb/day, 2.7 tpy).

**46-00041: Jefferson Smurfit Corp.** (1035 Longford Road, Phoenixville, PA 19460) in Upper Providence Township, **Montgomery County**. Title V Operating Permit minor modification issued under the Air Pollution Control Act and 25 Pa. Code § 127.462. Modification to the permit to incorporate General Permit (BAQ-GPA/GP-7) work practice standards while running fountain solution at four offset lithographic printing presses. The permit will include monitoring, recordkeeping and reporting requirements designed to keep the facility within all applicable air quality requirements.

**09-00006: U. S. Steel—Fairless Works** (Pennsylvania Avenue, Fairless Hills, PA 19030). This Title V Permit was revised and issued in accordance with the Air Pollution Control Act and 25 Pa. Code § 127.450 to remove a condition stating that U.S. Steel and Exelon Generation Company—Fairless Hills Generating Station where support facilities and a definition for the term malfunction was added to the permit, in Falls Township, **Bucks County**. The changes listed do not result in an increase of emissions at the facility.

**15-00026: American Inks and Coatings Corp.** (330 Pawling Road, Valley Forge, PA 19482). This Title V Permit was revised and issued in accordance with the Air Pollution Control Act and 25 Pa. Code § 127.450 to correct a typographical error concerning the temperature in which the specialty coating process can be run and VOC limits were added to the emission limit summary for the boilers, in Schuylkill Township, **Chester County**. The changes listed do not result in an increase of emissions from the facility.

**15-00015: Sartomer Company, Inc.** (610 Bolmar Street, West Chester, PA 19382). The Title V Operating Permit has been revised to address appeal issues in West Chester Borough, **Chester County**. Changes to the permit include using abbreviations in the inventory listing so that more information can be displayed, correcting stack information, clarifying limitations of natural gas

usage in the boilers, changing the frequency of monitoring and recording for the boilers from daily to weekly using a Department approved method and adding the word multiple for the washers used at the facility. The changes listed do not result in an increase of emissions at the facility.

**46-00032: SPS Technologies, Inc.** (Highland Avenue, Jenkintown, PA 19046). The Title V Operating Permit was revised to incorporate changes based on the appeal of the Title V Operating Permit in Abington Township, **Montgomery County**. Changes to the permit include adding the phrase "using a Department approved method" to monitoring and recording requirement for the heat treat units, the frequency of monitoring and recording hours of operation for the air handling units was changed to monthly, the frequency of monitoring and recording fuel usage for the air handling units was changed to weekly and changes were made to the monitoring and recording of hours for the scrubbers connected to the electroplating units. A condition for when the scrubbers should be in operation was corrected so it fit with the operation at the facility. The requirements from 25 Pa. Code § 129.73 were added to the spray booth operations. The Aluminum Anodizing, Monarch Operations and Machining Operations were determined to be insignificant activities and placed in Section G of the permit. The changes listed do not result in an increase of emissions from the facility.

**23-00014: Kimberly-Clark Corp.** (Front and Avenue of the States, Chester, PA 19013). The permit was revised and issued in accordance with the Air Pollution Control Act and 25 Pa. Code § 127.450 to correct a typographical error in pressure drop across some of the bag houses associated with the ash storage silo in the City of Chester, **Delaware County**.

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**Operating Permits for Non-Title V Facilities Issued under the Air Pollution Control Act (35 P.S. §§ 4001—4015) and 25 Pa. Code Chapter 127, Subchapter F.**

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*Southeast Region: Air Quality Program, Lee Park, Suite 6010, 555 North Lane, Conshohocken, PA 19428; Contact: Edward Brown, Facilities Permitting Chief, (610) 832-6242.*

**09-00083: Brinker's Fuels, Inc.** (445 North West Street, Doylestown, PA 18901) on December 20, 2002, for operation of a Natural Minor Operating Permit in Doylestown Township, **Bucks County**.

**23-00029: Upper Darby High School** (601 Lansdowne Avenue, Upper Darby, PA 19082) on December 23, 2002, for operation of a Natural Minor Operating Permit in Upper Darby Township, **Delaware County**.

**23-00052: Crozer-Chester Medical Center** (One Medical Center Boulevard, Upland, PA 19013) on December 23, 2002, for operation of a Synthetic Minor Operating Permit in Upland Borough, **Delaware County**.

*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: Mark Wayner, Facilities Permitting Chief, (412) 442-4174.*

**26-00177: Golden Eagle Construction/Asphalt Div.** (P. O. Box 945, Uniontown, PA 15401) on November 26, 2002, for operation of the Coolspring Asphalt Plant facility in North Union Township, **Fayette County**.

*Northwest Region: Air Quality Program, 230 Chestnut Street, Meadville, PA 16335-3481; Contact: Eric Gustafson, Facilities Permitting Chief, (814) 332-6940.*

**10-00030: Concast Metal Products Co.** (131 Myoma Road, Mars, PA 16046) for a Natural Minor Permit for operation of a secondary nonferrous metal melting and casting facility in Adams Township, **Butler County**.

**42-00194: Glenn O. Hawbaker, Inc.—Shinglehouse Plant No. 8** (497 Horse Run Road, Shinglehouse, PA 16748) on December 18, 2002, for a Natural Minor Operating Permit for operation of a nonmetallic mineral processing plant in Ceres Township, **McKean County**.

**33-00125: Energy Resources, Inc.—Brockway Tipple** (Route 219, Brockway, PA 15824) for operation of a coal crushing and handling facility in Snyder Township, **Jefferson County**.

**25-00360: The Electric Materials Co.** (50 South Washington Street, North East, PA 16428) for manufacturing of copper base electrical components in North East Borough, **Erie County**.

**20-00175: Cardinal Home Products—Tel-O-Post Division** (205 North Pymatuning Street, Linesville, PA 16124) on December 9, 2002, for a Natural Minor Operating Permit for operation of three surface coating lines in Linesville Borough, **Crawford County**.

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**Operating Permit Revisions Issued including Administrative Amendments, Minor Modifications or Transfers of Ownership under the Air Pollution Control Act (35 P.S. §§ 4001—4015) and 25 Pa. Code §§ 127.412, 127.450, 127.462 and 127.464.**

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*Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745; Contact: Mark Wayner, Facilities Permitting Chief, (412) 442-4174.*

**65-00354: Sunoco Partners Marketing and Terminal** (1801 Market Street, Philadelphia, PA 19103) for a minor modification to their Title V Operating Permit for the Delmont facility in Salem Township, **Westmoreland County**. The revision incorporates the reactivation of storage tank no. 2 and storage tank no. 4.

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**ACTIONS ON COAL AND NONCOAL MINING ACTIVITY APPLICATIONS**

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**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); and 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—1406.21). The final action on each application also constitutes action on the request for 401 Water Quality Certification and the NPDES permit application. Mining activity permits issued in response to the applications will also address the application permitting requirements of the following statutes; the Air Quality 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).**

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*Coal Permits Actions*

*Hawk Run District Mining Office: Empire Road, P. O. Box 209, Hawk Run, PA 16840-0209, (814) 342-8200.*

**17960114 and NPDES Permit No. PA0220400.** **Larry D. Baumgardner Coal Co., Inc.**, P. O. Box 186, Lanse, PA 16849. Revision to an existing bituminous

surface mine permit for a Change in Permit Acreage from 97.9 to 101.3 acres. The permit is located in Brady Township, **Clearfield County**. Receiving streams: unnamed tributary to Luthersburg Branch, Laborde Branch. Application received April 11, 2002. Permit issued December 18, 2002.

**57960201 and NPDES Permit No. PA0220671. Falcon Coal & Construction Company**, P. O. Box 207, Mildred, PA 18632. Renewal of an existing coal refuse reprocessing surface mine permit in Cherry Township, **Sullivan County**, affecting 12.1 acres. Receiving streams: Birch Creek to Loyalsock Creek to West Branch of the Susquehanna River. Application received February 15, 2002. Permit issued December 19, 2002.

**57813001 and NPDES Permit No. PA0123625. Capitol Coal Co., Inc.**, Box 216, Mildred, PA 18632. Transfer of an existing bituminous surface mine permit from Bernice Mining & Contracting, Inc., located in Cherry Township, **Sullivan County**, affecting 511 acres. Receiving streams: Birch Creek to Loyalsock Creek and two unnamed tributaries of Loyalsock Creek to Loyalsock Creek and Loyalsock Creek to West Branch Susquehanna River. Application received May 29, 2001. Permit returned: December 16, 2002.

*Cambria District Mining Office: 286 Industrial Park Road, Ebensburg, PA 15931, (814) 472-1900.*

**32970112 and NPDES Permit No. PA0234605. Mears Enterprises, Inc.**, P. O. Box 157, Clymer, PA 15728, permit revision to add 10.2 acres of support and mining area and for discharge of treated mine drainage, in Green Township, **Indiana County**, affecting 102.7 acres. Receiving streams: Buck Run, Dixon Run classified for CWF. The first downstream potable water supply intake from the point of discharge is the Pennsylvania American Water Company Two Lick Creek intake. Application received October 2, 2002. Permit issued December 10, 2002.

*McMurray District Mining Office: 3913 Washington Road, McMurray, PA 15317, (724) 941-7100.*

**56971301. NPDES Permit PA0214973, GM&S Coal Corp.** (P. O. Box 233, Jennerstown, PA 15547), to renew the permit for the Geronimo Mine in Jenner Township, **Somerset County**, renewal, Surface Acres Proposed N/A, Underground Acres Proposed N/A, SCP Acres Proposed N/A, CRDP Support Acres Proposed N/A, CRDP Refuse Disposal Acres Proposed N/A. No additional discharges. The first downstream potable water supply intake from the point of discharge is N/A. Permit issued December 11, 2002.

**11941601. NPDES Permit PA0214833, Fuel Recovery, Inc.** (2591 Wexford-Bayne Road, Suite 204, Sewickley, PA 15143), to renew the permit for the Cooney Preparation Plant in Portage Township, **Cambria County**, renewal, Surface Acres Proposed N/A, Underground Acres Proposed N/A, SCP Acres Proposed N/A, CRDP Support Acres Proposed N/A, CRDP Refuse Disposal Acres Proposed N/A. No additional discharges. The first downstream potable water supply intake from the point of discharge is N/A. Permit issued December 17, 2002.

**56831602. NPDES Permit PA0214469, Reitz Coal Company** (509 Fifteenth Street, Windber, PA 15963-1603), to renew the permit for the Reitz No. 4 Prep Plant in Shade Township, **Somerset County**, renewal, Surface Acres Proposed N/A, Underground Acres Proposed N/A, SCP Acres Proposed N/A, CRDP Support Acres Proposed N/A, CRDP Refuse Disposal Acres Proposed N/A. No

additional discharges. The first downstream potable water supply intake from the point of discharge is N/A. Permit issued December 17, 2002.

**32840701. NPDES Permit N/A, Tanoma Coal Company, Inc.** (600 Rayne Run Road, Marion Center, PA 15759), to revise the permit for the Tanoma No. 2 Refuse Area in Rayne Township, **Indiana County** to transfer 5.5 surface acres from the Tanoma Mine and add a passive treatment system, Surface Acres Proposed N/A, Underground Acres Proposed N/A, SCP Acres Proposed N/A, CRDP Support Acres Proposed 5.5, CRDP Refuse Disposal Acres Proposed N/A. No additional discharges. The first downstream potable water supply intake from the point of discharge is N/A. Permit issued December 19, 2002.

**32841307. NPDES Permit PA0091293, Tanoma Coal Company, Inc.** (600 Rayne Run Road, Marion Center, PA 15759), to renew the permit for the Tanoma Mine in Rayne Township, **Indiana County**, renewal, Surface Acres Proposed N/A, Underground Acres Proposed N/A, SCP Acres Proposed N/A, CRDP Support Acres Proposed N/A, CRDP Refuse Disposal Acres Proposed N/A. No additional discharges. The first downstream potable water supply intake from the point of discharge is N/A. Permit issued December 19, 2002.

**30831303. NPDES Permit PA0013511, RAG Cumberland Resources, L. P.** (R. D. 3, Box 184, Waynesburg, PA 15370), to revise the permit for the Cumberland Mine in Whiteley Township, **Greene County**, revision, Surface Acres Proposed 13.3, Underground Acres Proposed N/A, SCP Acres Proposed N/A, CRDP Support Acres Proposed N/A, CRDP Refuse Disposal Acres Proposed N/A, unnamed tributary to Whiteley Creek (WWF). The first downstream potable water supply intake from the point of discharge is N/A. Permit issued December 20, 2002.

*Knox District Mining Office: White Memorial Building, P. O. Box 669, Knox, PA 16232-0669, (814) 797-1191.*

**16920104 and NPDES Permit No. PA0211206. Ancient Sun, Inc.** (P. O. Box 129, Shippenville, PA 16254) Renewal of an existing bituminous strip operation in Perry and Toby Townships, **Clarion County** affecting 89.9 acres. This renewal is issued for reclamation only. Receiving streams: unnamed tributary to Black Fox Run and Black Fox Run. Application received October 3, 2002. Permit issued December 17, 2002.

**33970112 and NPDES Permit No. PA0227617. Ed Hanslovan Coal Co., Inc.** (R. D. 2, Box 230, Morrisdale, PA 16858) Renewal of an existing bituminous strip and auger operation in Washington Township, **Jefferson County** affecting 102.0 acres. This renewal is issued for reclamation only. Receiving streams: unnamed tributaries to Rattlesnake Run. Application received October 4, 2002. Permit issued December 17, 2002.

**10910107 and NPDES Permit No. PA0210978. Big "B" Mining Company, Inc.** (551 Mahood Road, Butler, PA 16001) Renewal of an existing bituminous strip operation in Center Township, **Butler County** affecting 193.6 acres. This renewal is issued for reclamation only. Receiving streams: three unnamed tributaries to Stony Run and one unnamed tributary to Pine Run. Application received September 30, 2002. Permit issued December 17, 2002.

#### *Noncoal Permits Actions*

*Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901-2454, (570) 621-3118.*

**48010302. Eastern Industries, Inc.** (4401 Camp Meeting Road, Suite 200, Center Valley, PA 18034),

commencement, operation and restoration of a quarry operation in Lower Mt. Bethel Township, **Northampton County** affecting 101.89 acres, receiving stream: none. Application received October 12, 2001. Permit issued December 19, 2002.

**58020807. John D. Lepre** (R. R. 1 Box 310, Kingsley, PA 18826), commencement, operation and restoration of a quarry operation in New Milford Township, **Susquehanna County** affecting 3.0 acres, receiving stream: none. Application received March 12, 2002. Permit issued December 20, 2002.

**58020815. Larry A. Lee** (R. R. 2 Box 2642, Nicholson, PA 18446), commencement, operation and restoration of a quarry operation in Brooklyn Township, **Susquehanna County** affecting 1.0 acre, receiving stream: none. Application received April 15, 2002. Permit issued December 20, 2002.

**58020833. John P. Frystak** (R. R. 2 Box 11B, Montrose, PA 18801), commencement, operation and restoration of a quarry operation in Bridgewater Township, **Susquehanna County** affecting 3.0 acres, receiving stream: none. Application received June 3, 2002. Permit issued December 20, 2002.

**58020841. Paul A. Kelly** (25 Public Avenue, Montrose, PA 18801), commencement, operation and restoration of a quarry operation in Liberty Township, **Susquehanna County** affecting 3.0 acres, receiving stream: none. Application received August 15, 2002. Permit issued December 20, 2002.

**58022806. Darwin R. Greene** (R. R. 3 Box 219B, Susquehanna, PA 18847), commencement, operation and restoration of a quarry operation in North Jackson Township, **Susquehanna County** affecting 5.0 acres, receiving stream: none. Application received August 28, 2002. Permit issued December 20, 2002.

**58020845. Peter S. Watrous** (R. R. 2 Box 2521, Hallstead, PA 18822), commencement, operation and restoration of a quarry operation in Franklin Township, **Susquehanna County** affecting 5.0 acres, receiving stream: none. Application received September 20, 2002. Permit issued December 20, 2002.

**7674SM1C8 and NPDES Permit PA0613312. Pennsy Supply, Inc.** (1001 Paxton Street, Harrisburg, PA 17105), renewal of existing discharge of treated mine drainage permit on a quarry operation in South Lebanon and Jackson Townships, **Lebanon County**, receiving stream: Tulpehocken Creek. Application received October 31, 2002. Renewal issued December 24, 2002.

**40870301C4 and NPDES Permit PA0593818. Pennsy Supply, Inc.** (1001 Paxton Street, Harrisburg, PA 17105), renewal of existing discharge of treated mine drainage permit on a quarry operation in Dorrance Township, **Luzerne County**, receiving stream: Balliet Run and Wapwallopen Creek. Application received November 4, 2002. Renewal issued December 24, 2002.

**40800304T and NPDES Permit PA0123765. Gigliello Topsoil** (39 Pittston Avenue, Yatesville, PA 18640), transfer of an existing quarry operation and NPDES Permit in the City of Pittston, **Luzerne County**, receiving stream: Lackawanna River. Application received January 28, 2002. Transfer issued December 24, 2002.

*Hawk Run District Mining Office: Empire Road, P. O. Box 209, Hawk Run, PA 16840-0209, (814) 342-8200.*

**14010801. Thomas W. Fisher**, Box 550, Milesburg, PA 16853. Commencement, operation and restoration of a

Small Industrial Minerals (Shale) permit in Union Township, **Centre County** affecting 1.5 acres. Receiving streams: unnamed stream, tributary to Bald Eagle Creek. Application received February 1, 2001. Permit issued December 12, 2002.

**08020808. Snyder, Kisner, Bryan Quarries**, R. R. 1, Box 77, Sugar Run, PA 18846. Commencement, operation and restoration of a Small Industrial Minerals (Bluestone) permit in Wilmot Township, **Bradford County** affecting 3 acres. Receiving streams: unnamed tributaries to Panther Lick Creek. Application received July 11, 2002. Permit issued December 19, 2002.

**08910803. Porters Sand & Gravel**, 88 Porters Simmental Lane, Waverly, NY 14892. Final bond release for a small noncoal mining operation in Athens Township, **Bradford County**. Restoration of 2.1 acres completed. Application for final bond release received September 13, 2002. Final bond release approved: December 16, 2002.

*Government Financed Construction Contract Issued*

*Knox District Mining Office: White Memorial Building, P. O. Box 669, Knox, PA 16232-0669, (814) 797-1191.*

**16-02-03. Neiswonger Construction, Inc.** (17592 Route 322, Strattanville, PA 16258) Proposal to enter into a Government Financed Reclamation Construction Contract on a 2.2 acres site in Clarion Township and Strattanville Borough, **Clarion County**. The proposal includes total reclamation of 2.2 acres of abandoned mine lands as well as 1.9 acres of coal removal incidental and necessary to the reclamation activities. Receiving streams: unnamed tributary to Brush Run. Application received May 13, 2002. Contract issued December 17, 2002.

#### ACTIONS ON BLASTING ACTIVITY APPLICATIONS

**Actions on applications under the Explosives Acts of 1937 and 1957 (43 P. S. §§ 151—161); 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 Actions*

*Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901-2454, (570) 621-3118.*

**360240144. Gerlach's Drilling & Blasting, Inc.** (172 Bender Mill Road, Lancaster, PA 17603), construction blasting in Mt. Joy Borough, **Lancaster County** with an expiration date of December 31, 2007. Permit issued December 20, 2002.

**39024026. Conewago Enterprises, Inc.** (660 Edgegrove Road, Hanover, PA 17331), construction blasting in Hanover Township, **Lehigh County** with an expiration date of March 9, 2003. Permit issued December 20, 2002.

**45024087. Explosive Services, Inc.** (7 Pine Street, Bethany, PA 18431), construction blasting in Middle Smithfield Township, **Monroe County** with an expiration date of November 23, 2003. Permit issued December 20, 2002.

**45024088. Explosive Services, Inc.** (7 Pine Street, Bethany, PA 18431), construction blasting in Middle Smithfield Township, **Monroe County** with an expiration date of November 24, 2003. Permit issued December 20, 2002.

**48024035. American Rock Mechanics** (7531 Chestnut Street, Zionsville, PA 18092), construction blasting in Hanover Township, **Northampton County** with an expiration date of December 9, 2003. Permit issued December 20, 2002.

**64024014. Holbert Explosives** (237 Masthope Plank Road, Lackawaxen, PA 18435), construction blasting in Buckingham Township, **Wayne County** with an expiration date of December 31, 2007. Permit issued December 20, 2002.

**67024050. Hall Explosives, Inc.** (2981 Elizabethtown Road, Hershey, PA 17033), construction blasting in Wrightsville Borough, **York County** with an expiration date of June 10, 2003. Permit issued December 20, 2002.

**45024089. Explosive Services, Inc.** (7 Pine Street, Bethany, PA 18431), construction blasting in Smithfield Township, **Monroe County** with an expiration date of November 30, 2003. Permit issued December 20, 2002.

**40024031. Explosive Services, Inc.** (7 Pine Street, Bethany, PA 18431), construction blasting in Hazle Township, **Luzerne County** with an expiration date of November 30, 2003. Permit issued December 20, 2002.

**64024015. Chris Grady/Northeast Blasting** (R. R. 6 Box 6692, Honesdale, PA 18431), construction blasting in Palmyra Township, **Wayne County** with an expiration date of July 10, 2003. Permit issued December 20, 2002.

**45024090. Rick Rufe Drilling & Blasting** (R. R. 6 Box 63608, Saylorburg, PA 18353), construction blasting in Jackson Township, **Monroe County** with an expiration date of November 15, 2003. Permit issued December 20, 2002.

*Cambria District Mining Office: 286 Industrial Park Road, Ebensburg, PA 15931, (814) 472-1900.*

**32024003. Dick Corporation**, 24 McFeaters Road, Seward, PA 15954, road construction SR 0022 Section 495—Indiana County, Contract No. 104201. Duration of blasting approximately 365 days. Permit issued December 19, 2002.

Persons aggrieved by an action may appeal, 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 the Administrative Agency Law), to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P. O. Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Environmental Hearing Board (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 any right of appeal beyond that permitted by applicable statutes and decision law.

For individuals who wish to challenge an action, appeals 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.

## FEDERAL WATER POLLUTION CONTROL ACT SECTION 401

The Department of Environmental Protection (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(a)).

Except as otherwise noted, the Department certifies that the construction and operation herein described will comply with the applicable provisions of 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, 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 the Administrative Agency Law), to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P. O. Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Environmental Hearing Board (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 any right of appeal beyond that permitted by applicable statutes and decision law.

For individuals who wish to challenge an action, appeals 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.

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**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 (35 P. S. §§ 691.1—691.702) and Notice of Final Action for Certification under section 401 of the Federal Water Pollution Control Act (33 U.S.C.A. § 1341(a)).** (*Note:* Water Obstruction and Encroachment Permits issued for Small Projects do not include 401 Certification, unless specifically stated in the description.)

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*Permits Issued and Actions on 401 Certifications*

### WATER OBSTRUCTION S AND ENCROACHMENTS

*Southeast Region: Water Management Program Manager, Lee Park, Suite 6010, 555 North Lane, Conshohocken, PA 19428.*

**E46-901. County of Montgomery, Board of County Commissions**, Courthouse, P. O. Box 311, Norristown,

PA 19404-0311, Perkiomen, Skippack and Schwenksville Boroughs, **Montgomery County**, ACOE Philadelphia District.

To amend Permit No. E46-901, which authorized the construction and maintenance of 2,840 linear feet of 12-foot wide, paved recreational trail within the 100-year floodplain of the Perkiomen Creek (WWF, MF) and across Lamb Run (WWF), Doe Run (TSF) and Norma Run (TSF), associated with the construction of the 7.5 mile long Perkiomen Trail/Schuylkill River Trail Extension. The trail begins at the existing terminus at Valley Forge National Historical Site and reaches its northern terminus at SR 29-2nd Avenue, USGS Quadrangle (Starting Point Valley Forge, PA N: 20 inches, W: 5.4 inches; End Point Collegeville, PA N: 9.75 inches, W: 11.5 inches, respectively).

The proposed work will include the following:

1. To construct and maintain a low flow crossing consisting of two spans of 140-foot long by 12-foot wide by 6.0-foot high pedestrian bridge (aka Island Bridge). The proposed bridge is located approximately 200 feet east of the intersection of Perkiomen Creek Road and Creekwood Drive in Perkiomen and Skippack Townships, Montgomery County (Collegeville, PA USGS Quadrangle N: 19.75 inches; W: 1.75 inches).

2. To construct and maintain 165-foot long by 10-foot wide by 20-foot high pedestrian bridge across the Perkiomen Creek (aka Park Avenue Bridge). The proposed bridge will be located just upstream of Park Avenue Bridge crossing (SR 4018) (Perkiomenville, PA USGS Quadrangle N: 2 inches; W: 11.75 inches).

**E51-203. Summit Realty Advisors**, 621 Delaware Street, New Castle, DE 19720, City and **County of Philadelphia**, ACOE Philadelphia District.

To construct and maintain a CVS pharmacy building and associated parking areas in the floodway of the Tacony-Frankford Creek (WWF). The project consists of the demolition and removal of several existing buildings as well as minor grading activities. The site is located at the corner of Vandyke Street and Torresdale Avenue (Frankford, PA Quadrangle N: 1.0 inch; W: 12.7 inches).

*Northeast Region: Water Management Program Manager, 2 Public Square, Wilkes-Barre, PA 18711-0790.*

**E45-413. LTS Development, Inc.**, P. O. Box 160, Shawnee-On-Delaware, PA 18356. Stroud Township, **Monroe County**, Army Corps of Engineers Philadelphia District.

To construct and maintain a stormwater outfall structure along Wigwam Run, just downstream of Wigwam Lake Dam, consisting of twin 36-inch diameter HDPE plastic pipes and an R-7 rock riprap energy dissipator. The project is associated with the proposed Arbor Woods residential subdivision and is located approximately 0.8 mile north of the intersection of SR 0611 and Township Road T469 (Mt. Pocono, PA Quadrangle N: 0.75 inch; W: 1 inch).

**E13-135. Norfolk Southern Corporation**, 99 Spring Street, Atlanta, GA 30303-0142. Jim Thorpe Borough and Mahoning Township, **Carbon County**, Army Corps of Engineers Philadelphia District.

To repair and maintain a five-span railroad bridge across the Lehigh River and Lehigh Canal with work consisting of the placement of rip-rap scour protection

along piers; repointing of stone masonry piers and abutments; replacement of stringers and cross-bracing; and the construction of a temporary covered walkway along the Lehigh Canal over an existing trail. The project is located approximately 3,800 feet southwest of the intersection of SR 0209 and SR 0903 (Lehighon, PA Quadrangle N: 20.7 inches; W: 13.7 inches).

**EA35-002NE. Department of Environmental Protection, Bureau of Abandoned Mine Reclamation**, 2 Public Square—5th Floor, Wilkes-Barre, PA 18711-0790, in Taylor Borough, **Lackawanna County**, U. S. Army Corps of Engineers, Baltimore District.

To backfill a 0.10 acre water body in conjunction with abandoned mine reclamation project OSM 35(3738) 101.1 (Scranton, PA Quadrangle N: 4.62 inches; W: 14.0 inches).

**EA54-011NE. Department of Environmental Protection, Bureau of Abandoned Mine Reclamation**, 2 Public Square—5th Floor, Wilkes-Barre, PA 18711-0790, in Reilly Township, **Schuylkill County**, U. S. Army Corps of Engineers, Baltimore District.

To backfill two water bodies in conjunction with abandoned mine reclamation project OSM 54(3653) 101.1 (Minersville, PA Quadrangle N: 5.25 inches; W: 15.25 inches).

*Southcentral Region: Water Management Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110.*

**E36-747. Ivan Smucker**, 6251 Division Highway, Narvon, PA 17555 in Caernarvon Township, **Lancaster County**, ACOE Baltimore District.

To construct and maintain: (1) a 16-foot by 80-foot concrete manure storage tank; (2) two 6-inch diameter outfall structures from downspouts; and (3) a 10-inch outfall from an existing 2-foot by 3-foot drop box all to be located within the floodway of an unnamed tributary to Conestoga Creek (WWF) at a point approximately 1,000 feet south of Beartown (Honeybrook, PA Quadrangle N: 20.0 inches; W: 14.8 inches) in Caernarvon Township, Lancaster County.

**E50-212. Department of Transportation, Engineering District 8-0**, 2140 Herr Street, Harrisburg, PA 17103 in Jackson Township, **Perry County**, ACOE Baltimore District.

To remove the existing covered bridge and then to construct and maintain: (1) a covered bridge having a single span of 73.25 feet with a minimum underclearance of 8.84 feet across Sherman Creek (HQ-CWF) on SR 3003, Section 002, Segment 0030, Offset 0635 (Three Springs Road); and (2) a rock vane and tree planting downstream of the proposed covered bridge located about one mile southwest of Blain Borough, Blain, PA Quadrangle N: 13.58 inches; W: 3.45 inches) in Jackson Township, Perry County.

## SPECIAL NOTICES

### Public Comment Period and Public Hearing Regarding Logan Town Centre, Logan Township, Blair County

*E07-357. Richard Bowen, Morris Management*, P. O. Box 1252, Altoona, PA 16603 in Logan Township, **Blair County**, ACOE Baltimore District.

To impact 1.14 acres of palustrine emergent, exceptional value wetlands (Holidaysburg, PA Quadrangle N: 21.1 inches; W: 1.3 inches); 2.72 acres of other palus-

trine emergent, palustrine open water and palustrine scrub shrub wetlands; 4,603 feet of perennial and intermittent unnamed tributaries to Brush Run (WWF); and to construct and maintain four utility line crossings and a 745-foot enclosure on the upper stream mitigation channel at a point east of Interstate 99 between the Frankstown Road and 17th Street interchanges of Interstate 99 for the purpose of constructing a regional power center shopping mall (Hollidaysburg, PA Quadrangle N: 20.2 inches; W: 1.4 inches) in Logan Township, Blair County. The applicant will create 6.34 acres of emergent and scrub shrub wetlands and 4,927 feet of stream channel onsite as mitigation for the wetland and stream impacts. The project also involves the following activities waived under 105.12(a)(2) and (3): construction and maintenance of two utility line crossings of an unnamed tributary to Brush Run; one overhead utility line crossing of the upper stream mitigation channel; and one utility line crossing of the lower stream mitigation channel.

The Department of Environmental Protection (Department) has received a hydrogeologic study for the previous project.

As a result, the Department is extending the public comment period and has scheduled a public hearing to receive testimony and comments on the Water Quality Certification under section 401 of the Federal Water Pollution Control Act, the Water Obstructions and Encroachment Permit application and the Environmental Assessment under 25 Pa. Code Chapter 105 for the proposed project.

The hearing will be held on Thursday, February 6, 2003, at 6:30 p.m. at the Jaffe Shrine, Broad Avenue and 22nd Street, Altoona, Blair County.

Persons intending to testify at the hearing should register by Tuesday, February 4, 2003, by calling Karen Sitler at (717) 705-4904. If no person registers to present oral comments by the February 4, 2003, cutoff deadline, the hearing will not be held. Persons interested in finding out if the hearing will be held should contact Karen Sitler at the previous number.

Testimony should be to the point. Each individual will have 5 to 10 minutes, depending on the number registered, to present comments. To ensure that all speakers have a fair and equal opportunity to present their testimony, relinquishing of time will be prohibited. To assure all testimony is incorporated into the official record, have two hard copies of the testimony available to provide to Karen Sitler. Further details relating to the procedures to be followed at the hearing will be outlined at the beginning of the proceedings.

In addition, the public comment period for the Water Quality Certification under Section 401 of the Federal Water Pollution Control Act, the Water Obstructions and Encroachment Permit application and the Environmental Assessment under 25 Pa. Code Chapter 105 for this project will end on February 13, 2003.

Comments should contain the name, address and telephone number of the person commenting and a concise statement of comments, objections or suggestions including the relevant facts upon which the comment is based. Comments should be sent to Nathan Havens, Department of Environmental Protection, South Central Regional Office, Water Management Program, 909 Elmerton Avenue, Harrisburg, PA 17110.

An appointment may be scheduled to review the application at the Southcentral Regional Office in Harrisburg by contacting Cynthia Wolfe at (717) 705-4732 between 7:30 a.m. and 4 p.m., Monday through Friday. A copy of the application is also available at the Department's Altoona District Office, 3001 Fairway Drive, Altoona. To set up a file review, contact Kathy Ciampali, (814) 946-7290.

Persons with a disability who wish to provide comments and attend the hearing, or both, and require an auxiliary aid, service or other accommodations to participate in the proceedings should contact the Department for assistance. TDD users may use the AT&T Relay Service, (800) 654-5984.

#### **BUREAU OF DEEP MINE SAFETY**

##### **Request for Variance**

The Department of Environmental Protection (Department), Bureau of Deep Mine Safety (Bureau), has received a request for variance from Black Wolf Coal Company. The following notification contains a summary of this request. A complete copy of the variance request may be obtained from Allison Gaida, (724) 439-7469 or from the Bureau website at <http://www.dep.state.pa.us/dep/deputate/minres/dms/dms.htm>.

The Department is publishing a summary of the request to solicit comments from affected parties on the proposed variance request. Comments may be used by the Bureau to assist in its investigation of the variance request. Comments will be accepted for 30 days following the publication of this notice. Comments should be addressed to Paul L. Hummel, Acting Director, Bureau of Deep Mine Safety, Fayette County Health Center, 100 New Salem Road, Room 167, Uniontown, PA 15401.

Section 702 of the Bituminous Coal Mine Act (act) provides a mechanism for operators to obtain variances from specific requirements of the act to accommodate the adoption of new machinery, equipment, tools, supplies, methods or processes.

Section 224(b) of the act states that whenever any working place in a mine approaches within 50 feet of abandoned workings in that mine certified by an engineer or within 200 feet of any abandoned workings which cannot be inspected, or within 200 feet of any other abandoned workings, boreholes shall be drilled at least 20 feet in advance of the face of the working place. Boreholes shall be drilled sufficiently close to each other to insure that the advancing face will not accidentally hole through into the workings. Boreholes shall also be drilled not more than 8 feet apart in the rib of the working place to a distance of at least 20 feet at an angle of 45 degrees. Rib holes shall be drilled in one or both ribs of the working place as may be necessary for adequate protection of persons working in the place.

*Summary of the Request:* Black Wolf Coal Company requested a variance from section 224(b) of the act to drill horizontal boreholes to establish parameters for the design of mining barrier pillars between the Quecreek No. 1 Mine and any adjacent abandoned mine works.

##### **Request for Variance**

The Bureau has received a request for variance from Dana Mining Company of PA, Inc. The following notification contains a summary of this request. A complete copy of the variance request may be obtained from Allison Gaida, (724) 439-7469 or from the Bureau website at <http://www.dep.state.pa.us/dep/deputate/minres/dms/dms.htm>.

The Department is publishing a summary of the request to solicit comments from affected parties on the proposed variance request. Comments may be used by the Bureau to assist in its investigation of the variance request. Comments will be accepted for 30 days following the publication of this notice. Comments should be addressed to Paul L. Hummel, Acting Director, Bureau of Deep Mine Safety, Fayette County Health Center, 100 New Salem Road, Room 167, Uniontown, PA 15401

Section 702 of the act provides a mechanism for operators to obtain variances from specific requirements of the act to accommodate the adoption of new machinery, equipment, tools, supplies, methods or processes.

Section 224(b) of the act states that whenever any working place in a mine approaches within 50 feet of abandoned workings in that mine certified by an engineer or within 200 feet of any abandoned workings which cannot be inspected, or within 200 feet of any other abandoned workings, boreholes shall be drilled at least 20 feet in advance of the face of the working place. Boreholes shall be drilled sufficiently close to each other to insure that the advancing face will not accidentally hole through into the workings. Boreholes shall also be drilled not more than 8 feet apart in the rib of the working place to a distance of at least 20 feet at an angle of 45 degrees. Rib holes shall be drilled in one or both ribs of the working place as may be necessary for adequate protection of persons working in the place.

*Summary of the Request:* Dana Mining Company of PA, Inc. requested a variance from section 224(b) of the act to provide an alternate method of drilling in advance of mining at the Titus Mine.

**Request for Comments and Notice of Public Meeting for the Proposed Total Maximum Daily Load (TMDL) for the Fowler Run Watershed**

The Department of Environmental Protection (Department) is holding a public meeting on Monday, January 13, 2003, at 6 p.m. at the Jefferson County Conservation District Building in Jefferson County to discuss and accept comments on a proposed TMDL, established in accordance with the requirements of the 1996 Section 303(d) of the Clean Water Act.

One stream segment in the Fowler Run Watershed has been identified as impaired on the 1996 and 1998 Pennsylvania 303(d) lists due to depressed pH and high concentrations of metals. The listed segments and miles degraded are shown in the following table:

<i>Stream Code</i>	<i>Stream Name</i>	<i>Miles Degraded</i>
51125	Fowler Run	3.35

The proposed plan provides calculations of stream's total capacity to accept metals (aluminum, iron, manganese and acidity), pH and maintain levels below water quality criteria. The applicable water quality criteria are as follows:

<i>Parameter</i>	<i>Criterion value (mg/l)</i>	<i>Total Recoverable/Dissolved</i>
Aluminum	0.1 of the 96 hour LC 50 0.75	Total Recoverable
Iron	1.5 0.3	Total Recoverable Dissolved
Manganese	1.00	Total Recoverable
pH	6.0—9.0	N/A

The primary pollutant source for the watershed is abandoned mine workings. This watershed was heavily mined for coal in the late 19th and to the mid 20th

centuries. The effects of this are still present. The allocations made in the TMDL are load allocations which are made to nonpoint sources of pollution.

The TMDL was developed using Monte Carlo Simulation to determine long term average concentrations that each stream segment could accept and still meet water quality criteria 99% of the time. Monte Carlo Simulation allows for the expansion of a data set based on its statistical makeup. Since there was no critical flow condition where criteria were exceeded, the Department used the average flow to express the loading values in the TMDL.

The TMDL sets allowable loading rates for metals and acidity at specified points in the watershed. The basis of information used in the establishment of this TMDL is field data collected over the past 10 years.

The data and all supporting information used to develop the proposed TMDL are available from the Department. To request a copy of the proposed TMDL and an information sheet, contact Barbara Hajel, Licensed Professional Geologist, Knox District Mining Office, P. O. Box 669, Knox, PA 16232, (814) 797-1191, bhajel@state.pa.us. Directions to the Jennings Environmental Education Center meeting place can also be obtained by contacting this address. The TMDL can be accessed through the Department website (<http://www.dep.state.pa.us>) by typing "TMDL" in the direct link field and by clicking "GO."

Persons with a disability who wish to attend this meeting and require an auxiliary aid, service or other accommodation to participate should call (814) 797-1191 and ask for the ADA Coordinator to discuss how their needs may be best accommodated. If needed, individuals may use the AT&T Relay Service, (800) 654-5984 (TDD users) or (800) 654-5988 (voice users) and request that the call be relayed to the ADA Coordinator at (814) 797-1191.

Written comments will be accepted at the previous address and must be postmarked by March 12, 2003. Persons who plan to make a presentation at the public meeting should notify the Department by 4 p.m. on Monday, January 13, 2003. The Department will consider all comments in developing the final TMDL, which will be submitted to the EPA for approval.

[Pa.B. Doc. No. 03-60. Filed for public inspection January 10, 2003, 9:00 a.m.]

**Technical Advisory Committee on Diesel-Powered Equipment Meeting Cancellation**

The Technical Advisory Committee on Diesel-Powered Equipment meeting scheduled for January 21, 2003, has been cancelled. The next meeting is scheduled for April 15, 2003, at 10 a.m. in the Fayette County Health Center, Uniontown. For information, contact Allison Gaida, (724) 439-7289, e-mail [agaida@state.pa.us](mailto:agaida@state.pa.us).

DAVID E. HESS,  
*Secretary*

[Pa.B. Doc. No. 03-61. Filed for public inspection January 10, 2003, 9:00 a.m.]



## DEPARTMENT OF LABOR AND INDUSTRY

### Maximum Pennsylvania Workers' Compensation Payable

Based upon the Statewide Average Weekly Wage, as determined by the Department of Labor and Industry for the fiscal year ending June 30, 2002, the maximum compensation payable under the Workers' Compensation Act, under Article 1, §§ 105.1 and 105.2 shall be \$675 per week for injuries occurring on and after January 1, 2003. For purposes of calculating the update to payments for medical treatment rendered on and after January 1, 2003, the percentage increase in the Statewide Average Weekly Wage is 2%

JOHNNY J. BUTLER,  
*Secretary*

[Pa.B. Doc. No. 03-62. Filed for public inspection January 10, 2003, 9:00 a.m.]

## DEPARTMENT OF TRANSPORTATION

### Contemplated Sale of Land No Longer Needed for Transportation Purposes

The Department of Transportation (Department), under 71 P. S. § 513(e)(7), intends to sell certain land owned by the Department.

The following property is available for sale by the Department:

In the City of Chester, Delaware County, Department District 6, the parcel containing 2,460 square feet of unimproved ground, has been declared excess and is situated on 4th Street between Madison and Upland Streets. The estimated fair market value is \$900. The property is an easement, to be sold to the Underlying Fee Holder, Community Light & Sound, Inc. To express objections or to obtain more information, contact Ray DeMasi, District 6-0, R/W Unit, (610) 205-6507.

Interested public entities are invited to express their interest in purchasing the site within 30 calendar days from the date of publication of this notice to Andrew L. Warren, District Administrator, Department of Transportation, 7000 Geerdes Boulevard, King of Prussia, PA 19406-1525.

BRADLEY L. MALLORY,  
*Secretary*

[Pa.B. Doc. No. 03-63. Filed for public inspection January 10, 2003, 9:00 a.m.]

## INSURANCE DEPARTMENT

### Alleged Violation of Insurance Laws; International Water Safety Foundation; Doc. No. SC02-12-027

Notice is hereby given of the Order to Show Cause issued on December 27, 2002, by the Deputy Insurance Commissioner in the previously referenced matter. Violation of the following is alleged: sections 208 and 209 of the Insurance Department Act of 1921 (40 P. S. §§ 46 and 47); and section 5 of the Unfair Insurance Practices Act (40 P. S. § 1171.5).

Respondent shall file a written answer to the Order to Show Cause within 20 days of the date of issue. If Respondent files a timely answer, a formal administrative hearing shall be held in accordance with 2 Pa.C.S. §§ 501—508 and 701—704 (relating to the Administrative Agency Law); 1 Pa. Code Part II (relating to General Rules of Administrative Practice and Procedure); 31 Pa. Code Chapter 56 (relating to special rules of administrative practice and procedure) and other relevant procedural provisions of law.

Answers, motions preliminary to those at hearing, protests, petitions to intervene or notices of intervention, if any, must be filed in writing with the Hearings Administrator, Insurance Department, Administrative Hearings Office, 901 North 7th Street, Harrisburg, PA 17102.

Persons with a disability who wish to attend the previously referenced administrative hearing and require an auxiliary aid, service or other accommodation to participate in the hearing, should contact Tracey Pontius, Agency ADA Coordinator at (717) 787-4298.

M. DIANE KOKEN,  
*Insurance Commissioner*

[Pa.B. Doc. No. 03-64. Filed for public inspection January 10, 2003, 9:00 a.m.]

### Tammy Mason; Prehearing

#### Appeal of Tammy Mason under the Motor Vehicle Financial Responsibility Law; Catastrophic Loss Benefits Continuation Fund; Doc. No. CF02-12-014

A telephone prehearing conference initiated by this office shall be conducted on February 18, 2003, at 1:30 p.m.

At the prehearing telephone conference, the parties shall be prepared to discuss settlement, stipulations, witnesses and the documents anticipated for use at the hearing, estimated time for the hearing, special evidentiary or legal issues and other matters relevant to the orderly, efficient and just resolution of this matter.

No prehearing memoranda or other written submissions are required for the prehearing/settlement conference; however, the parties are encouraged to discuss settlement and possible stipulations pending the conference.

Except as established at the prehearing conference, both parties shall appear at the scheduled hearing prepared to offer all relevant testimony or other evidence. Each party must bring documents, photographs, drawings, claims, files, witnesses, and the like, necessary to support the party's case. A party intending to offer documents or photographs into evidence shall bring enough copies for the record and for each opposing party.

Motions preliminary to those at hearing, protests, petitions to intervene or notices of intervention, if any, must be filed by February 4, 2003, with the Hearings Administrator, Administrative Hearings Office, Capitol Associates Building, Room 200, 901 North Seventh Street, Harrisburg, PA 17102. Answers to petitions to intervene, if any, shall be filed by February 11, 2003.

Persons with a disability who wish to attend the previously referenced administrative hearing and require an auxiliary aid, service or other accommodation to participate in the hearing, should contact Tracey Pontius, Agency Coordinator at (717) 787-4298.

M. DIANE KOKEN,  
*Insurance Commissioner*

[Pa.B. Doc. No. 03-65. Filed for public inspection January 10, 2003, 9:00 a.m.]

**Keystone Health Plan East Community; Rate Filing; Filing ID A66020001**

On December 23, 2002, Keystone Health Plan East submitted a filing to increase rates for the medical products and prescription drug riders.

	<i>Medical</i>	<i>Prescription Drugs</i>
Requested Rate Increase	14.8%	18.5%
Contracts Affected	342,000	262,000
Additional Annual Income	\$198 million	\$44 million

An effective date of April 1, 2003, has been requested.

Copies of the filing are available for public inspection during normal working hours, by appointment, at the Insurance Department's regional offices in Harrisburg and Philadelphia.

Interested parties are invited to submit written comments, suggestions or objections to Rashmi Mathur, Actuary, Insurance Department, Bureau of Accident and Health Insurance, Office of Rate and Policy Regulation, 1311 Strawberry Square, Harrisburg, PA 17120, within 30 days of publication of this notice in the *Pennsylvania Bulletin*.

M. DIANE KOKEN,  
*Insurance Commissioner*

[Pa.B. Doc. No. 03-66. Filed for public inspection January 10, 2003, 9:00 a.m.]

**Review Procedure Hearings under the Unfair Insurance Practices Act**

The following insured has requested a hearing as authorized by section 8 of the Unfair Insurance Practices Act (40 P. S. § 1171.8) in connection with the company's termination of the insured's policy. The administrative hearing will be held in the Insurance Department's

regional office in Harrisburg, PA. Failure by an appellant to appear at a scheduled hearing may result in dismissal with prejudice.

The following hearing will be held in the Harrisburg Administrative Hearings Office, Capital Associates Building, Room 200, 901 North Seventh Street, Harrisburg, PA 17102.

Appeal of Herbert C. Jordan; file no. 02-182-10660; Conemaugh Valley Mutual Insurance Co.; doc. no. P02-12-018; January 28, 2003, at 1:30 p.m.

Each party may appear with or without counsel and offer relevant testimony and/or other relevant evidence. Each party must bring documents, photographs, drawings, claims files, witnesses, and the like, necessary to support the party's case. A party intending to offer documents or photographs into evidence shall bring enough copies for the record and for each opposing party.

Following the hearing and receipt of the stenographic transcript, the Insurance Commissioner (Commissioner) will issue a written order resolving the factual issues presented at the hearing and stating what remedial action, if any, is required. The Commissioner's Order will be sent to those persons participating in the hearing or their designated representatives. The Order of the Commissioner may be subject to judicial review by the Commonwealth Court.

Persons with a disability who wish to attend an administrative hearing and require an auxiliary aid, service or other accommodation to participate in the hearing should contact Tracey Pontius, Agency Coordinator, (717) 787-4298.

M. DIANE KOKEN,  
*Insurance Commissioner*

[Pa.B. Doc. No. 03-67. Filed for public inspection January 10, 2003, 9:00 a.m.]

**MUNICIPAL POLICE OFFICERS' EDUCATION AND TRAINING COMMISSION**

**Mandatory In-Service Course Descriptions and Tuition Rates**

The following courses will be provided through the network of certified training academies. Individuals with questions about a course should contact their primarily utilized academy.

*Required Course*

**(03-201) Legal Update (3 hours)**

This required course will provide students with updated information on: significant changes in the Commonwealth's Crimes Code and Vehicle Code, the Rules of Criminal Procedure and the Rules of Evidence; a review of pertinent case law from the United States Supreme Court, the Commonwealth's Supreme Court, Superior Court and Commonwealth Court in the areas of search and seizure as well as vehicle-related and general case law; and additional topics and content will be addressed as course design permits.

Tuition per officer: \$16.25

*Elective Courses*

**(03-319) Terrorism and Law Enforcement** (6 hours)

This course will examine issues relating to terrorism. It will present information regarding nuclear, biological and chemical threats and present initial response guidelines for first responding officers who must function within the emergency management system. The course can provide threat and vulnerability-assessment information that can be used to identify potential targets. Issues such as antiterrorism intelligence sources and interdiction efforts can be addressed. This will be a timely course in light of recent events. This will be an optional course.

Tuition per officer: \$24.25

**(03-320) Stalking** (3 hours)

This class will examine the crime of stalking, its nature and prevalence, various methods of stalking behavior and the types of stalkers as delineated by their motivation. This course can also examine the nature of cyber stalking. An essential aspect of this course will be to present recommendations for the law enforcement response to and investigation of the crime of stalking. This course will examine an issue not systematically addressed in prior Municipal Police Officers' Education and Training Commission (Commission) training and will be an optional course.

Tuition per officer: \$13.85

**(03-412) Crimes Against the Elderly** (3 hours)

This course is an inclusive study of the various types of abuse, frauds and thefts of the elderly and their property. Instruction provided recognizes the growing concern related to physical abuse of the elderly by family, friends and caretakers. The course will show how the interpretation of 18 Pa.C.S. § 2713 (relating to neglect of care-dependent person) has changed to now include "loved ones" who care for the elderly and who steal their assets; recognizing not only the "organized transient groups" that prey on the elderly, but also local criminals who target the elderly. Students will become familiar with local, State and National organizations that deal with elder abuse. This course was developed by the Philadelphia Police Department in conjunction with Commission staff.

Tuition per officer: \$13.85

**Mandatory In-Service Course Tuition Rates**

**(03-601) F.A.T.S.** (6 hours)

Maximum of 16 officers per class, 3 instructors, 2 assistants

Tuition per officer: \$90

**(03-602) F.A.T.S.** (4 hours)

Maximum of eight officers per class, one instructor

Tuition per officer: \$35

COL. PAUL J. EVANKO,  
*Commissioner*

[Pa.B. Doc. No. 03-68. Filed for public inspection January 10, 2003, 9:00 a.m.]

# PENNSYLVANIA PUBLIC UTILITY COMMISSION

## Rescission Order

Public Meeting held  
December 5, 2002

*Commissioners Present:* Glen R. Thomas, Chairperson; Robert K. Bloom, Vice Chairperson; Aaron Wilson, Jr., statement follows; Terrance J. Fitzpatrick; Kim Piz-zingrilli

*Pennsylvania Public Utility Commission Law Bureau  
Prosecutory Staff v. Global Crossing Telemangement,  
Inc.; A-310670 (2001.0352); Doc. No. C-20027736*

## Rescission Order

*By the Commission:*

On May 23, 2002, Law Bureau Prosecutory Staff filed a Formal Complaint against Global Crossing Telemangement, Inc. (the Respondent), an IXC reseller certificated at A-310670, for failure to file its 2000 Annual Report. Subsequently, on October 29, 2002, the Commission entered a Default Order that sustained the complaint and cancelled Respondent's certificate of public convenience. The notice of the Default Order was published at 32 Pa.B 5596 (November 9, 2002). The Formal Complaint and Default Order inadvertently stated that Respondent is an IXC reseller. Respondent is actually a CLEC reseller.

Subsequent to the issuance of the Default Order, on November 5, 2002, Respondent filed its outstanding annual report and requested reinstatement of its certificate. Respondent states that in response to the Complaint, it mailed its 2000 Annual Report on June 26, 2002. Respondent thought it was in compliance with our reporting requirements until it received the October 29, 2002, default order. Upon receiving the default order, Respondent states that the issue was due to a misunderstanding of which annual report needed to be filed.

Respondent notes that the default order and our previous letters were mailed to 180 S. Clinton Avenue, Rochester, NY 14646-0700, while its current address is 1080 Pittsford Victor Road, Pittsford, NY 14534. Respondent states that it notified the Commission of its address change in April of 2002. Commission records show that by letter dated April 22, 2002, and received by the Commission on April 25, 2002, Respondent did in fact notify the Commission of its new address and telephone numbers. Commission records also show that no other complaints have been filed against Respondent.

In recognition of the importance of promoting the availability of viable competitive service providers, we will rescind the Default Order and reinstate Respondent's certificate of public convenience. If Respondent again fails to timely file its annual report, we may not be so favorably disposed, and may require Respondent file a new application along with the applicable \$350 application fee; *Therefore,*

*It Is Ordered That:*

1. The Default Order entered October 29, 2002, at this docket is hereby rescinded.

2. The certificate of public convenience held by Global Crossing Telemangement, Inc. at Docket No. A-310670 is hereby reinstated.

3. A copy of this order be published in the *Pennsylvania Bulletin*.

4. The Secretary change the Commission's official records to reflect Respondent's current address at 1080 Pittsford Victor Road, Pittsford, NY 14534. The list for current contact information is found at A-310670 document folder vol.# 0004.

JAMES J. MCNULTY,  
*Secretary*

[Pa.B. Doc. No. 03-69. Filed for public inspection January 10, 2003, 9:00 a.m.]

### Rescission Order

Public Meeting held  
December 5, 2002

*Commissioners Present:* Glen R. Thomas, Chairperson; Robert K. Bloom, Vice Chairperson; Aaron Wilson, Jr., statement follows; Terrance J. Fitzpatrick; Kim Piz-zingrilli

*Pennsylvania Public Utility Commission Law Bureau Prosecutory Staff v. Intelcom, Inc. (2001.0352); Doc. No. C-20027764; A-310822*

### Rescission Order

*By the Commission:*

On May 23, 2002, Law Bureau Prosecutory Staff filed a Formal Complaint against Intelcom, Inc. (the Respondent), an IXC reseller certificated at A-310822, for failure to file its 2000 Annual Report. Subsequently, on October 29, 2002, the Commission entered a Default Order that sustained the complaint and cancelled Respondent's certificate of public convenience. The notice of the Default Order was published at 32 Pa.B. 5596 (November 9, 2002).

Subsequent to the issuance of the Default Order, on November 12, 2002, Respondent filed its outstanding 2000 and 2001 Annual Reports. Commission records show that no other complaints have been filed against Respondent since the issuance of its certificate in 1999.

In recognition of the importance of promoting the availability of viable competitive service providers, we will rescind the Default Order and reinstate Respondent's certificate of public convenience. If Respondent again fails to timely file its annual report, we may not be so favorably disposed, and may require Respondent file a new application along with the applicable \$350 application fee; *Therefore,*

*It Is Ordered That:*

1. The Default Order entered October 29, 2002, at this docket is hereby rescinded.

2. The certificate of public convenience held by Intelcom, Inc. at Doc. No. A-310822 is hereby reinstated.

3. A copy of this order be published in the *Pennsylvania Bulletin*.

JAMES J. MCNULTY,  
*Secretary*

[Pa.B. Doc. No. 03-70. Filed for public inspection January 10, 2003, 9:00 a.m.]

### Rescission Order Statement

LBPS  
v.  
Global Crossing  
Telemanagement, Inc.      Public Meeting December 5, 2002  
DEC-2002-L-0111  
Docket No. C-20027736

LBPS  
v.  
Intelcom, Inc.      Public Meeting December 5, 2002  
DEC-2002-L-0113  
Docket No. C-20027764

### Statement of Commissioner Aaron Wilson, Jr.

We are reinstating these Competitive Local Exchange Carrier's (CLECs) Certificate of Public Convenience only after the Commission initiated a prosecution and suspension of the carriers' operating authority for failure to submit their 2000 and 2001 Annual Reports. The prosecutorial staff recommends against a penalty based on the importance of maintaining a competitive telecommunications market.

These recommendations, however, stand in marked contrast to our practice in the Transportation Industry. In the transportation industry, Formal Complaints and Orders that are issued when a carrier violates our regulations, whether it ranges from their insurance agent's failure to submit the carrier's evidence of insurance to violations involving dress codes or unkempt vehicles, routinely contain language advising the carrier of the violation and the possibility of other action—including a penalty.

Moreover, transportation industry infractions, such as the failure to pay an assessment, a penalty, or submit reports to the Commission, are grounds for permanent revocation or denial of operating authority in the Commonwealth. There is not much consideration given to the importance of competition, the continued delivery of services, or whether a penalty is better than permanent revocation of a carrier's operating authority in some transportation cases. *Pennsylvania Public Utility Commission, Bureau of Transportation and Safety v. McGarity Moving Company*, Docket No. C-00104394 (Order adopted March 28, 2002); *Lady Liberty Transportation, Inc.* Docket Nos. A-00107959, et al. (Order adopted August 29, 2002).

This Commission needs a consistent approach, including language advising service providers of the consequences of violating our regulations, regardless of the utility industry involved, prior to imposing or revoking a utility's authority.

If a penalty is appropriate for transportation, it is equally appropriate for telecommunications.

AARON WILSON, Jr.,  
*Commissioner*

[Pa.B. Doc. No. 03-71. Filed for public inspection January 10, 2003, 9:00 a.m.]

### 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 (Commission). Formal protests and petitions

to intervene must be filed in accordance with 52 Pa. Code. Each protest should 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 February 3, 2003. Documents filed in support of the applications are available for inspection and copying at the Office of the Secretary between 8 a.m. to 4:30 p.m., Monday through Friday, and at the business address of the respective applicant.

**Applications of the following for approval to begin operating as common carriers for transportation of persons as described under each application.**

**A-00119467. Anthony Aspromonte t/d/b/a ACA Limousine Service** (1252 Echo Lake Road, Tobyhanna, Monroe County, PA 18466)—persons in limousine service, between points in the Counties of Monroe, Pike and Carbon, and from points in said counties, to points in Pennsylvania, and return.

**A-00119468. Philadelphia Marriott West** (111 Crawford Avenue, West Conshohocken, Montgomery County, PA 19428), a corporation of the Commonwealth—persons in group and party service, in vehicles seating 15 passengers or less, including the driver, who are registered guests of the Philadelphia Marriott West, from its facilities located in the Borough of West Conshohocken, Montgomery County, to points in the County of Montgomery, and the City and County of Philadelphia, and return.

**Application of the following for amendment to the certificate of public convenience approving the operation of motor vehicles as common carriers for transportation of persons as described under the application.**

**A-00107792, Folder 1, Am-B. Pittsburgh Coach Corp.** (69 Norman Street, Everett, MA 02149), a corporation of the State of Massachusetts, inter alia—persons in limousine service between points in Pennsylvania: *So as to Permit* persons in limousine service, between points in the County of Allegheny. *Attorney:* James W. Patterson, Centre Square West, 1500 Market Street, 38th Floor, Philadelphia, PA 19102-2186.

**Application of the following for approval of the right to begin to operate as a broker for the transportation of persons as described under the application.**

**A-00118764, Folder 2. Empire International, Ltd. t/d/b/a Empire Chauffeur Service** (PO Box 423, Norwood, New Jersey 07648), a corporation of the State of New Jersey, for a brokerage license, evidencing the Commission's approval of the beginning of the right and privilege to operate as a broker, to arrange for the transportation of persons, between points in Pennsylvania. *Attorney:* Kenneth A. Olsen, 33 Philhower Road, Lebanon, NJ 08833.

**Applications of the following for the approval of the transfer of stock as described under each application.**

**A-00105650, Folder 5000. Robert B. Cellitti Moving & Storage, Inc.** (249-269 Walnut Street, Sunbury, Northumberland County, PA 17801), a corporation of the Commonwealth—for the approval of the transfer of 502 shares of issued and outstanding shares held by Robert B. Cellitti to the following: 168 shares to Robert A. Cellitti, 167 shares to Todd R. Cellitti and 167 shares to Diane E.

Jablonski. *Attorney:* Robert E. Diehl, Jr., 1070 Market Street, Sunbury, PA 17801.

**A-00100359, Folder 5001. Baker's Transportation Services, Inc.** (1400 West First Street, Oil City, Venango County, PA 16301), a corporation of the Commonwealth—for the approval of the transfer of 100 shares of issued and outstanding shares held by Nancy L. Baker, deceased, to the following: 25 shares to Donald L. Baker, 25 shares to Debora L. Sanford, 25 shares to Darlene L. Baker and 25 shares to Diane L. Matthews. *Attorney:* Michael D. Snyder, 314 West Park Street, Franklin, PA 16323.

**Complaint**

*Pennsylvania Public Utility Commission Bureau of Transportation and Safety v. James J. Kelly and James R. Kelly t/a James J. Kelly & Son; Doc. No. A-00099407C02, A-00099407*

COMPLAINT

The Pennsylvania Public Utility Commission (Commission) is a duly constituted agency of the Commonwealth of Pennsylvania empowered to regulate public utilities within the Commonwealth. The Commission has delegated its authority to initiate proceedings which are prosecutory in nature to the Bureau of Transportation and Safety and other bureaus with enforcement responsibilities. Pursuant to that delegated authority and Section 701 of the Public Utility Code, the Bureau of Transportation and Safety Prosecutory Staff hereby represents as follows:

1. That James J. Kelly and James R. Kelly, t/a James J. Kelly & Son, respondent, maintains its principal place of business at R.D. 1, Box 118, Eighty Four, PA 15330.

2. That respondent was issued a certificate of public convenience by this Commission on December 3, 1975, at Application Docket No. A-00099407.

3. That respondent abandoned or discontinued service without having first submitted a letter to this Commission containing a statement that the service is no longer being rendered. Respondent has not reported intrastate revenue for the years 1999, 2000 and 2001.

4. That respondent, by failing to submit a letter to this Commission containing a statement that the service is no longer being rendered, violated 52 Pa. Code § 3.381(a)(5) and, by failing to maintain adequate, efficient and safe service and facilities, violated 66 Pa.C.S. § 1501.

WHEREFORE, the Bureau of Transportation and Safety Prosecutory Staff hereby requests that the Commission revoke respondent's Certificate of Public Convenience at A-00099407.

Respectfully submitted,

Michael E. Hoffman, Director  
Bureau of Transportation and Safety  
P. O. Box 3265  
Harrisburg, PA 17105-3265

VERIFICATION

I, Michael E. Hoffman, hereby state that the facts set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at any hearing held in this matter. I understand that the statements herein are made subject

to the penalties of 18 Pa.C.S. § 4904 relating to unsworn falsification to authorities.

Date: \_\_\_\_\_  
 Michael E. Hoffman

#### NOTICE

A. You must file an answer within twenty days of the date of service of this Complaint. The date of service is the mailing date, as indicated at the top of the Secretarial Cover Letter for this Complaint and Notice, 52 Pa. Code § 1.56(a). An answer is a written explanation of circumstances wished to be considered in determining the outcome. The answer shall raise all factual and legal arguments that you wish to claim in your defense and must include the reference number of this Complaint. Your answer must be verified and the original and three copies sent to:

James J. McNulty, Secretary  
 Pennsylvania Public Utility Commission  
 P. O. Box 3265  
 Harrisburg, PA 17105-3265

B. If you fail to answer this Complaint within twenty days, the Bureau of Transportation and Safety will request that the Commission issue a Secretarial Letter imposing a penalty, which will include the revocation of your Certificate of Public Convenience.

C. If you file an answer which admits or fails to deny the allegations of the Complaint, the Bureau of Transportation and Safety will request that the Commission issue a Secretarial Letter imposing a penalty, which may include the revocation of your Certificate of Public Convenience.

D. If you file an answer which contests the Complaint, the matter will be assigned to an Administrative Law Judge for hearing and decision.

E. Alternative formats of this material are available, for persons with disabilities, by contacting the Compliance Office at (717) 787-1168.

#### Complaint

*Pennsylvania Public Utility Commission Bureau of Transportation and Safety v. William T. Simmons; Doc. No. A-00028367C02*

#### COMPLAINT

The Pennsylvania Public Utility Commission (Commission) is a duly constituted agency of the Commonwealth of Pennsylvania empowered to regulate public utilities within the Commonwealth. The Commission has delegated its authority to initiate proceedings which are prosecutory in nature to the Bureau of Transportation and Safety and other Bureaus with enforcement responsibilities. Pursuant to that delegated authority and Section 701 of the Public Utility Code, the Bureau of Transportation and Safety Prosecutory Staff hereby represents as follows:

1. That William T. Simmons, respondent, maintains his principal place of business at 327 North 5th St., Lehigh, PA 18235.

2. That respondent was issued a certificate of public convenience by this Commission on November 12, 1935, at Docket No. A-00028367.

3. That, on September 10, 2002, respondent was sent an initial assessment of \$64 for 2002. Respondent failed

to pay the full amount of this assessment; therefore, a balance was due in the amount of \$64.

4. That, on August 17, 2001, respondent was sent an initial assessment of \$38 for 2001. Respondent failed to pay the full amount of this assessment; therefore, a balance was due in the amount of \$38.

5. That respondent has an outstanding assessment of \$102.

6. That respondent failed to file objections to the assessments, pursuant to 66 Pa.C.S. § 510(c).

7. That respondent, by failing to pay the assessments, violated the Public Utility Code at 66 Pa.C.S. § 510(c).

WHEREFORE, unless respondent pays the overdue assessments in full within twenty days of the date of service of this Complaint, the Bureau of Transportation and Safety Prosecutory Staff hereby requests that the Commission issue a Secretarial Letter which (1) cancels the Certificate of Public Convenience issued to respondent, (2) directs the Pennsylvania Department of Transportation to revoke the motor vehicle registration(s) issued to respondent, (3) notifies the Pennsylvania Department of Revenue that respondent's Certificate of Public Convenience has been revoked, (4) notifies respondent's insurance carrier that respondent's Certificate of Public Convenience has been revoked and (5) imposes an additional fine on the respondent.

Respectfully submitted,

Michael E. Hoffman, Director  
 Bureau of Transportation and Safety  
 P. O. Box 3265  
 Harrisburg, PA 17105-3265

#### VERIFICATION

I, Michael E. Hoffman, hereby state that the facts set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at any hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 relating to unsworn falsification to authorities.

Date: \_\_\_\_\_  
 Michael E. Hoffman

#### NOTICE

A. You must file an answer within twenty days of the date of service of this Complaint. The date of service is the mailing date as indicated at the top of the Secretarial cover letter for this Complaint and notice, 52 Pa. Code § 1.56(a). The answer shall raise all factual and legal arguments that you wish to claim in your defense and must include the reference number of this Complaint. Your answer must be verified and the original and three copies sent to:

James J. McNulty, Secretary  
 Pennsylvania Public Utility Commission  
 P. O. Box 3265  
 Harrisburg, PA 17105-3265

B. If you fail to answer this Complaint within twenty days, the Bureau of Transportation and Safety will request that the Commission issue a Secretarial Letter

imposing a penalty. Pursuant to 66 Pa.C.S. § 3301(a), the penalty could include a fine of up to \$1,000 for each violation, the revocation of your Certificate of Public Convenience, or any other remedy as may be appropriate. Each day you continue to violate any regulation, direction, requirement, determination or order of the Commission is a separate and distinct offense, subject to additional penalties.

C. You may elect not to contest this Complaint by paying your outstanding assessment within twenty (20) days. Your certified check or money order for the assessment should be payable to the Commonwealth of Pennsylvania and should be forwarded to:

Bureau of Administrative Services,  
Attention Steve Reed  
Pennsylvania Public Utility Commission  
P. O. Box 3265  
Harrisburg, PA 17105-3265

D. If you file an answer which either admits or fails to deny the allegations of the Complaint, the Bureau of Transportation and Safety will request the Commission to issue a Secretarial Letter imposing a penalty (see Paragraph B). Should the Commission cancel your Certificate of Public Convenience, it may also impose an additional fine of up to \$1,000.

E. If you file an answer which contests the Complaint, the matter will be assigned to an administrative law judge for hearing and decision. The judge is not bound by the penalty set forth in Paragraph B.

F. Alternative formats of this material are available, for persons with disabilities, by contacting the Bureau of Administrative Services at (717) 783-6190.

JAMES J. MCNULTY,  
*Secretary*

[Pa.B. Doc. No. 03-72. Filed for public inspection January 10, 2003, 9:00 a.m.]

### Telecommunications

**A-310923F7004. Adelphia Business Solutions Operations, Inc. and Alltel Pennsylvania, Inc.** Joint petition of Adelphia Business Solutions Operations, Inc. and Alltel Pennsylvania, Inc. for approval of an interconnection agreement under section 252(e) of the Telecommunications Act of 1996.

Adelphia Business Solutions Operations, Inc. and Alltel Pennsylvania, Inc., by its counsel, filed on December 19, 2002, at the Pennsylvania Public Utility Commission (Commission), a joint petition for approval of an interconnection agreement under sections 251 and 252 of the Telecommunications Act of 1996.

Interested parties may file comments concerning the petition and agreement with the Secretary, Pennsylvania Public Utility Commission, P. O. Box 3265, Harrisburg, PA 17105-3265. Comments are due by 10 days after the date of publication of this notice. Copies of the Adelphia Business Solutions Operations, Inc. and Alltel Pennsylvania, Inc. joint petition are on file with the Commission and are available for public inspection.

The contact person is Cheryl Walker Davis, Director, Office of Special Assistants, (717) 787-1827.

JAMES J. MCNULTY  
*Secretary*

[Pa.B. Doc. No. 03-73. Filed for public inspection January 10, 2003, 9:00 a.m.]

### Telecommunications

**A-310830F7000. Verizon Pennsylvania Inc. and Omnipoint Communications, Inc.** Joint petition of Verizon Pennsylvania Inc. and Omnipoint Communications, Inc. for approval of Amendment No. 1 to an interconnection agreement under section 252(e) of the Telecommunications Act of 1996.

Verizon Pennsylvania Inc. and Omnipoint Communications, Inc., by its counsel, filed on December 19, 2002, at the Pennsylvania Public Utility Commission (Commission), a joint petition for approval of Amendment No. 1 to an Interconnection Agreement under sections 251 and 252 of the Telecommunications Act of 1996.

Interested parties may file comments concerning the petition and agreement with the Secretary, Pennsylvania Public Utility Commission, P. O. Box 3265, Harrisburg, PA 17105-3265. Comments are due by 10 days after the date of publication of this notice. Copies of the Verizon Pennsylvania Inc. and Omnipoint Communications, Inc. joint petition are on file with the Commission and are available for public inspection.

The contact person is Cheryl Walker Davis, Director, Office of Special Assistants, (717) 787-1827.

JAMES J. MCNULTY  
*Secretary*

[Pa.B. Doc. No. 03-74. Filed for public inspection January 10, 2003, 9:00 a.m.]

### Tentative Order

Public Meeting held  
December 19, 2002

*Commissioners Present:* Glen R. Thomas, Chairperson; Robert K. Bloom, Vice Chairperson; Aaron Wilson, Jr.; Terrance J. Fitzpatrick; Kim Pizzingrilli

*Application of A+ Family Movers, Inc., a corporation of the Commonwealth of Pennsylvania, for the transfer of the household goods in use and property, excluding household goods in use, rights of Morroney Transportation Company, authorized under the certificate issued at A-00033323, F.2, subject to the same limitations and conditions; A-00119235*

*Erik B. Jensen for applicant*

### Tentative Order

*By the Commission:*

This matter comes before the Commission on an application filed August 8, 2002. Public notice of the application was given in the *Pennsylvania Bulletin* of September 21, 2002. No protests were filed. The unopposed application is certified to the Commission for its decision without oral hearing.

*Discussion and Findings:*

The applicant is seeking an initial grant of authority to transport household goods in use and property, excluding household goods in use, through a transfer of that authority from Morroney Transportation Company, which is currently certificated to provide that service.

James D. Locke, Jr., president and sole shareholder of A+ Family Movers, Inc. (A+ or applicant) has over 12 years experience in the household goods in use moving industry. A+ has two straight trucks and one pack van for use in the proposed service.

The purchase price for the intrastate operating authority is \$25,000.00. The reason for the transfer is that Nicholas Morroney, president of the transferor, is in poor health and unable to continue to provide service to the public.

A+ has submitted a financial statement dated July 1, 2002. That statement shows current assets of \$100,000.00, tangible assets of \$45,000.00, current liabilities of \$20,000.00, long-term liabilities of \$0.00, leaving owner's equity of \$125,000.00.

In reviewing the authority to be transferred, we find that there are a couple of restrictions that are no longer considered to be in the public interest. The transferor was granted authority in 1935, limited to the operation of six trucks, two tractors and two trailers, the total maximum gross weight of which, with loads, shall not exceed 78,000 pounds. It is our determination that the carrier should be permitted to meet the needs of shippers without a limitation imposed. Since the restriction is being removed by this order, we will issue our decision as a Tentative Order; with publication in the *Pennsylvania Bulletin* to provide a 20 day period during which exceptions may be filed by any interested party.

The authority to be transferred has been operated by the transferor; therefore, it is presumed that there is a continuing need, which may be overcome only by evidence to the contrary. *In re: Byerly*, 440 Pa. 521 (1970); *Hostetter v. Pa. P.U.C.*, 160 Super. Ct. 94 (1947). Since the record is void of any such evidence, this presumption of continuing public need applies in this transfer proceeding.

After complete review of the record, we find:

1. The applicant has the experience, equipment and fitness to provide the proposed service.

2. Approval of the unopposed application for transfer is necessary for the continued accommodation and convenience of the public; *Therefore*,

*It Is Ordered:* That the application be and is hereby tentatively approved granting the following rights:

1. To transport as a common carrier, household goods in use, between points in the Counties of Philadelphia, Delaware, Chester, Montgomery and Bucks, included within a line which connects the municipal boundaries of Chester, West Chester, Paoli, Norristown, Doylestown and Morrisville but not including said places, and from points in said territory to other points in Pennsylvania and vice versa; and

2. To transport as a common carrier, property, excluding household goods in use, between points in Pennsylvania.

subject to the following general conditions:

1. That the authority granted herein to the extent that it duplicates authority now held or subsequently granted

to the applicant shall not be construed as conferring more than one operating right.

2. That the approval hereby given is not to be understood as committing the Commission, in any proceeding that may be brought before it for any purpose to fix a valuation on the property and/or rights to be acquired by applicant from the present certificate holder equal to the consideration to be paid therefor, or equal to any value that may be placed thereon by the applicant, or to approve or prescribe rates sufficient to yield a return thereon.

3. That the certificate holder shall not transfer, sell or in any way convey any of its outstanding capital stock to any individual, partnership, corporation or any other entity, without the prior filing of an application and approval thereof by the Commission under Section 1103(a)(3) of Title 66 Pa.C.S.

*It Is Further Ordered:* That the applicant shall not provide any service granted in this order until the following is submitted to the Commission:

1. Form E evidence of Bodily Injury and Property Damage Liability Insurance.

2. Form H evidence of Cargo Insurance.

3. A tariff establishing just and reasonable rates.

*It Is Further Ordered:* That a copy of this tentative order be published in the *Pennsylvania Bulletin* giving the public 20 days from the date of publication to file exceptions.

*It Is Further Ordered:* That absent the filing of exceptions within 20 days from the date of publication, the tentative order shall become final without further Commission action.

*It Is Further Ordered:* That upon the tentative order becoming final and upon compliance with the requirements herein before set forth, a certificate shall issue evidencing the Commission's approval of the right to operate as above determined.

*It Is Further Ordered:* That upon compliance with the requirements of this tentative order, the authority granted to Morroney Transportation Company, under the certificate issued at A-00033323, F.2, shall be canceled and the record be marked closed.

*It Is Further Ordered:* That in the event said applicant has not, on or before 60 days from the date the tentative order becomes final, complied with the requirements hereinbefore set forth, the application shall be dismissed without further proceedings.

JAMES J. MCNULTY,  
*Secretary*

[Pa.B. Doc. No. 03-75. Filed for public inspection January 10, 2003, 9:00 a.m.]

## STATE POLICE

### Addendum to the Listing of Approved Mobile Video Recording Systems

The State Police, under the authority of sections 5704(16)(ii)(C) and 5706(b)(4) of the Wiretapping and Electronic Surveillance Control Act (act) (18 Pa.C.S. §§ 5704(16)(ii)(C) and 5706(b)(4)), published at 32 Pa.B. 3862 (August 3, 2002), 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 32 Pa.B. 3862, the State Police, under the authority of sections 5704(16)(ii)(C) and 5706(b)(4) of the act, has approved for use, until the next comprehensive list is published, subject to interim amendment, the following list of additional approved mobile video recording systems which meet the minimum equipment standards published at 32 Pa.B. 3862:

SVS-500, ID Control Inc., Derry, NH  
PAVE System, Video Systems Plus, Bryan, TX

Comments, suggestions or questions should be directed to State Police, Bureau of Patrol, Department Headquarters, 1800 Elmerton Avenue, Harrisburg, PA 17110.

COL. PAUL J. EVANKO  
*Commissioner*

[Pa.B. Doc. No. 03-76. Filed for public inspection January 10, 2003, 9:00 a.m.]

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# STATE CONTRACTS INFORMATION

## DEPARTMENT OF GENERAL SERVICES

Act 266 of 1982 provides for the payment of interest penalties on certain invoices of "qualified small business concerns". The penalties apply to invoices for goods or services when payments are not made by the required payment date or within a 15 day grace period thereafter.


Act 1984-196 redefined a "qualified small business concern" as any independently owned and operated, for-profit business concern employing 100 or fewer employees. See 4 Pa. Code § 2.32. The business must include the following statement on every invoice submitted to the Commonwealth: "(name of business) is a qualified small business concern as defined in 4 Pa. Code 2.32."

A business is eligible for payments when the required payment is the latest of:  
 The payment date specified in the contract.  
 30 days after the later of the receipt of a proper invoice or receipt of goods or services.  
 The net payment date stated on the business' invoice.

A 15-day grace period after the required payment date is provided to the Commonwealth by the Act.

For more information: contact: Small Business Resource Center  
 PA Department of Community and Economic Development  
 374 Forum Building  
 Harrisburg, PA 17120  
 800-280-3801 or (717) 783-5700

### Reader's Guide



Legal Services & Consultation

① Service Code Identification Number

② Commodity/Supply or Contract Identification No.

**B-54137.** Consultant to provide three 2-day training sessions, covering the principles, concepts, and techniques of performance appraisal and standard setting with emphasis on performance and accountability, with a knowledge of State Government constraints.

Department:	General Services			
Location:	Harrisburg, Pa.			
Duration:	12/1/93-12/30/93			
Contact:	Procurement Division			
	787-0000			

③ Contract Information

④ Department

⑤ Location

⑥ Duration

⑦

(For Commodities: Contact:  
 Vendor Services Section  
 717-787-2199 or 717-787-4705

#### REQUIRED DATA DESCRIPTIONS

- ① Service Code Identification Number: There are currently 39 state service and contractual codes. See description of legend.
- ② Commodity/Supply or Contract Identification No.: When given, number should be referenced when inquiring of contract of Purchase Requisition. If more than one number is given, each number represents an additional contract.
- ③ Contract Information: Additional information for bid preparation may be obtained through the departmental contracting official.
- ④ Department: State Department or Agency initiating request for advertisement.
- ⑤ Location: Area where contract performance will be executed.
- ⑥ Duration: Time estimate for performance and/or execution of contract.
- ⑦ Contact: (For services) State Department or Agency where vendor inquiries are to be made.  
  
(For commodities) Vendor Services Section (717) 787-2199 or (717) 787-4705

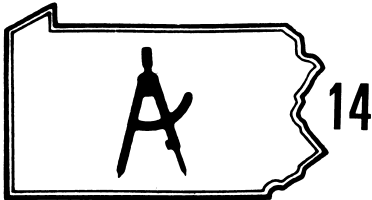
## GET A STEP AHEAD IN COMPETING FOR A STATE CONTRACT!

The Treasury Department's Bureau of Contracts and Public Records can help you do business with state government agencies. Our efforts focus on guiding the business community through the maze of state government offices. The bureau is, by law, the central repository for all state contracts over \$5,000. Bureau personnel can supply descriptions of contracts, names of previous bidders, pricing breakdowns and other information to help you submit a successful bid on a contract. We will direct you to the appropriate person and agency looking for your product or service to get you "A Step Ahead." Services are free except the cost of photocopying contracts or dubbing a computer diskette with a list of current contracts on the database. A free brochure, "Frequently Asked Questions About State Contracts," explains how to take advantage of the bureau's services.

Contact: **Bureau of Contracts and Public Records**  
 Pennsylvania State Treasury  
 Room G13 Finance Building  
 Harrisburg, PA 17120  
 717-787-2990  
 1-800-252-4700

BARBARA HAFER,  
*State Treasurer*

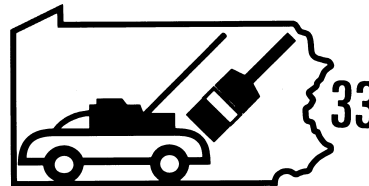
## SERVICES



Engineering Services

**PennDOT-ECMS** The Pennsylvania Department of Transportation has established a website advertising for the retention of engineering firms. You can view these business opportunities by going to the Department of Transportation's Engineering and Construction Management System at [www.dot2.state.pa.us](http://www.dot2.state.pa.us).

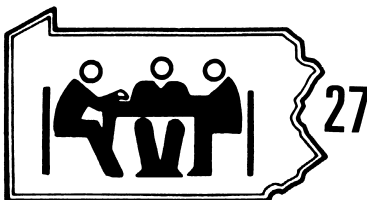
**Department:** Transportation  
**Location:** Various  
**Contact:** [www.dot2.state.pa.us](http://www.dot2.state.pa.us)



Property Maintenance

**065375** This work is for the mowing of grass, trash and debris removal and landscaping along various State Routes in Philadelphia County. The Proposal must be purchased from the PENNDOT Sales Store (717-787-5968) in order to place a bid. The bid opening is expected to be held at the Commonwealth Keystone Building, 400 North Street, Harrisburg, PA 17120, in February or March of 2003. Specifications can be viewed on <http://www.dot.state.pa.us> by selecting "Doing Business with PENNDOT"/"EBS/ECMS"/"Electronic Bidding."

**Department:** Transportation  
**Location:** Various State Routes within Philadelphia County.  
**Duration:** For the 2003, 2004 and 2005 growing seasons.  
**Contact:** Louis J. Porrini, Highway Maintenance Manager, (610) 205-6703



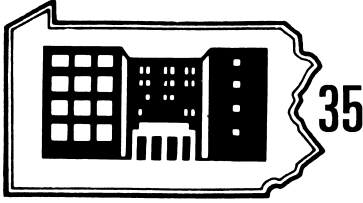
Lodging/Meeting Facilities

**SP3520028893** Provide lodging, meeting facilities and meals for the Department of Environmental Protection, Bureau of Human Resources, for approximately 300 attendees. One of the following dates shall be chosen for the conference: September 8 through 12, 2003; September 15 through 19, 2003; September 22 through 26, 2003; or October 20 through 24, 2003.

**Department:** Environmental Protection  
**Location:** The contract shall be awarded to the lowest responsible bidder within a 100-mile radius of downtown Johnstown, Pennsylvania.  
**Duration:** Through 6/30/04.  
**Contact:** Sherry Morrow, (717) 772-1216

**061336** This work is for mowing grass on traffic island dividers for various state highways in Bucks and Montgomery Counties. Proposals must be purchased from the PENNDOT Sales Store (717-787-5968) in order to place a bid. The bid opening is expected to be held at the Commonwealth Keystone Building, 400 North Street, Harrisburg, PA 17120, in February or March of 2003. Specifications can be viewed on <http://www.dot.state.pa.us> by selecting "Doing Business with PENNDOT"/"EBS/ECMS"/"Electronic Bidding."

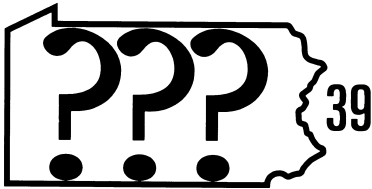
**Department:** Transportation  
**Location:** Various State Routes in Bucks and Montgomery Counties.  
**Duration:** For the 2003, 2004 and 2005 mowing seasons.  
**Contact:** Louis J. Porrini, Highway Maintenance Manager, (610) 205-6703



### Real Estate Services

**93534** LEASE OFFICE/EVIDENCE STORAGE SPACE TO THE COMMONWEALTH OF PA. Proposals are invited to provide the Pennsylvania State Police with 19,735 useable square feet of office/evidence storage space in Allegheny County, PA, with a minimum parking for 70 vehicles, within one (1) mile of Interstate 279, extending from Camp Horne Exit (Exit #15) south to the City of Pittsburgh line; within one (1) mile of Interstate 279, extending from Greentree Exit (Exit #4A) south to Interstate 79 (Exit #72); within (1) mile of Interstate 79, extending from SR60 (Exit #'s 60A and 60B), south to the Carnegie Exit (Exit #57). For more information on SFP #93534 which is due on February 18, 2003, visit [www.dgs.state.pa.us](http://www.dgs.state.pa.us) to download a SFP package or call (717) 787-4394.

**Department:** State Police  
**Location:** 505 North Office Building, Harrisburg, PA 17125  
**Contact:** John Hocker, (717) 787-4396



### Miscellaneous

**CN0000948** Contractor to provide transportation and counseling services at the State Correctional Institution at Muncy.

**Department:** Corrections  
**Location:** State Correctional Institution at Muncy, Route 405, P.O. Box 180, Muncy, PA 17756  
**Duration:** For a period of 1 to 3 years. 7/1/03 to 6/30/04 and/or 7/1/03 to 6/30/06  
**Contact:** Cindy Lyons, (570) 546-3171

**CN0000950** Contractor to provide dental services to inmates at the State Correctional Institution at Muncy.

**Department:** Corrections  
**Location:** State Correctional Institution at Muncy, Route 405, P.O. Box 180, Muncy, PA 17756  
**Duration:** For a period of 1 to 3 years. 7/1/03 to 6/30/04 and/or 7/1/03 to 6/30/06  
**Contact:** Cindy Lyons, (570) 546-3171

**CN0000949** Contractor to provide services to furnish Sanitary Containers to collect and dispose of solid waste from the State Correctional Institution at Muncy.

**Department:** Corrections  
**Location:** State Correctional Institution at Muncy, Route 405, P.O. Box 180, Muncy, PA 17756  
**Duration:** For a period of 1 to 2 years. 7/1/03 to 6/30/04 and/or 7/1/03 to 6/30/05  
**Contact:** Cindy Lyons, (570) 546-3171

**CN0000951** Contractor to provide Muslim Chaplaincy Services at the State Correctional Institution at Muncy.

**Department:** Corrections  
**Location:** State Correctional Institution at Muncy, Route 405, P.O. Box 180, Muncy, PA 17756  
**Duration:** For a period of 1 to 3 years. 7/1/03 to 6/30/04 and/or 7/1/03 to 6/30/06  
**Contact:** Cindy Lyons, (570) 546-3171

**CL-566** Clarion University of Pennsylvania is soliciting bids for extending the existing parking lot at the Venango Campus in Oil City, PA including associated site lighting. In addition, a separate contract will be awarded for installation of a pre-engineered building for storage of maintenance equipment. Contracts will be awarded for general, electrical and building construction. Pre-Bid Meeting: 10 a.m., January 17, 2003, at Venango Campus. Bids due and open: 2 p.m., January 31, 2003. Bid packages are available upon payment of a non-refundable fee of \$20, by check made payable to Clarion University and forwarded to Judy McAninch, Contract Specialist, 218 Carrier Hall, 840 Wood Street, Clarion, PA 16214.

**Department:** State System of Higher Education  
**Location:** Venango County, Oil City, PA  
**Duration:** 140 days from Notice to Proceed  
**Contact:** Judy McAninch, Contract Specialist, (814) 393-2240

[Pa.B. Doc. No. 03-77. Filed for public inspection January 10, 2003, 9:00 a.m.]

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## DESCRIPTION OF LEGEND

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| <p><b>1</b> Advertising, Public Relations, Promotional Materials</p> <p><b>2</b> Agricultural Services, Livestock, Equipment, Supplies &amp; Repairs: Farming Equipment Rental &amp; Repair, Crop Harvesting &amp; Dusting, Animal Feed, etc.</p> <p><b>3</b> Auctioneer Services</p> <p><b>4</b> Audio/Video, Telecommunications Services, Equipment Rental &amp; Repair</p> <p><b>5</b> Barber/Cosmetology Services &amp; Equipment</p> <p><b>6</b> Cartography Services</p> <p><b>7</b> Child Care</p> <p><b>8</b> Computer Related Services &amp; Equipment Repair: Equipment Rental/Lease, Programming, Data Entry, Payroll Services, Consulting</p> <p><b>9</b> Construction &amp; Construction Maintenance: Buildings, Highways, Roads, Asphalt Paving, Bridges, Culverts, Welding, Resurfacing, etc.</p> <p><b>10</b> Court Reporting &amp; Stenography Services</p> <p><b>11</b> Demolition—Structural Only</p> <p><b>12</b> Drafting &amp; Design Services</p> <p><b>13</b> Elevator Maintenance</p> <p><b>14</b> Engineering Services &amp; Consultation: Geologic, Civil, Mechanical, Electrical, Solar &amp; Surveying</p> <p><b>15</b> Environmental Maintenance Services: Well Drilling, Mine Reclamation, Core &amp; Exploratory Drilling, Stream Rehabilitation Projects and Installation Services</p> <p><b>16</b> Extermination Services</p> <p><b>17</b> Financial &amp; Insurance Consulting &amp; Services</p> <p><b>18</b> Firefighting Services</p> <p><b>19</b> Food</p> <p><b>20</b> Fuel Related Services, Equipment &amp; Maintenance to Include Weighing Station Equipment, Underground &amp; Above Storage Tanks</p> <p><b>21</b> Hazardous Material Services: Abatement, Disposal, Removal, Transportation &amp; Consultation</p> | <p><b>22</b> Heating, Ventilation, Air Conditioning, Electrical, Plumbing, Refrigeration Services, Equipment Rental &amp; Repair</p> <p><b>23</b> Janitorial Services &amp; Supply Rental: Interior</p> <p><b>24</b> Laboratory Services, Maintenance &amp; Consulting</p> <p><b>25</b> Laundry/Dry Cleaning &amp; Linen/Uniform Rental</p> <p><b>26</b> Legal Services &amp; Consultation</p> <p><b>27</b> Lodging/Meeting Facilities</p> <p><b>28</b> Mailing Services</p> <p><b>29</b> Medical Services, Equipment Rental and Repairs &amp; Consultation</p> <p><b>30</b> Moving Services</p> <p><b>31</b> Personnel, Temporary</p> <p><b>32</b> Photography Services (includes aerial)</p> <p><b>33</b> Property Maintenance &amp; Renovation—Interior &amp; Exterior: Painting, Restoration, Carpentry Services, Snow Removal, General Landscaping (Mowing, Tree Pruning &amp; Planting, etc.)</p> <p><b>34</b> Railroad/Airline Related Services, Equipment &amp; Repair</p> <p><b>35</b> Real Estate Services—Appraisals &amp; Rentals</p> <p><b>36</b> Sanitation—Non-Hazardous Removal, Disposal &amp; Transportation (Includes Chemical Toilets)</p> <p><b>37</b> Security Services &amp; Equipment—Armed Guards, Investigative Services &amp; Security Systems</p> <p><b>38</b> Vehicle, Heavy Equipment &amp; Powered Machinery Services, Maintenance, Rental, Repair &amp; Renovation (Includes ADA Improvements)</p> <p><b>39</b> Miscellaneous: This category is intended for listing all bids, announcements not applicable to the above categories</p> |
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KELLY POWELL LOGAN,  
*Secretary*

**Contract Awards**

The following awards have been made by the Department of General Services, Bureau of Purchases:

<b>Requisition or Contract No.</b>	<b>PR Award Date or Contract Effective Date</b>	<b>To</b>	<b>In the Amount Of</b>
5810-03 sup#19	12/20/02	Federal Airways & Airspace	\$5,000.00
1036252-01	12/30/02	Pennsylvania Police Supply	146,257.50

<b>Requisition or Contract No.</b>	<b>PR Award Date or Contract Effective Date</b>	<b>To</b>	<b>In the Amount Of</b>
1064112-01	12/30/02	Stillwater Sales	48,700.00
7314800-01	12/30/02	XpedX KELLY POWELL LOGAN, <i>Secretary</i>	51,787.35

[Pa.B. Doc. No. 03-78. Filed for public inspection January 10, 2003, 9:00 a.m.]



# RULES AND REGULATIONS

## Title 22—EDUCATION

### STATE BOARD OF EDUCATION

#### [22 PA. CODE CH. 4]

#### Academic Standards and Assessment for Arts and Humanities; Health, Safety and Physical Education; and Family and Consumer Sciences

The State Board of Education (Board) amends Chapter 4 (relating to academic standards and assessment) to add academic standards for Arts and Humanities; Health, Safety and Physical Education; and Family and Consumer Sciences, to read as set forth in Annex A, under the authority of the Public School Code of 1949 (act) (24 P. S. §§ 1-101—27-2702).

Notice of proposed rulemaking was published at 32 Pa.B. 882 (February 16, 2002) with an invitation to submit written comments.

#### *Purpose*

The final-form rulemaking will add academic standards for the Arts and Humanities; Health, Safety and Physical Education; and Family and Consumer Sciences. The purpose of adding these requirements is to specify academic standards to be achieved by students enrolled at various grade levels in the public schools (including public charter schools) of this Commonwealth.

#### *Comments and Responses*

Public comment was received with regard to the proposed changes to the standards, with many requests for technical edits and clarifications. The Senate Education Committee held hearings on March 26, 2002. The House Education Committee held hearings on April 3, 2002. While no official House Education Committee comments were submitted, the Chairperson of the Committee forwarded House staff comments to the Board for consideration. In the Chairperson's letter to the Board included with the comments, the Chairperson noted the need to emphasize, in the standards for Health, Safety and Physical Education, sexual abstinence and avoid sharing drug paraphernalia as means for prevention of diseases such as AIDS, HIV and sexually transmitted diseases. In addition, the House staff raised issues related to the omission of driver safety in the standards. The Independent Regulatory Review Commission (IRRC) provided detailed comments on the final-form rulemaking, largely to clarify and technically correct the proposed standards, as well as suggested improvements of the standards.

Comments concerning the proposed standards were most commonly received in the areas of general comments, clarifying the meaning of individual standards, added and deleted words, definitions and examples, misspellings, punctuation errors and typographical errors, and policy considerations.

#### *Overall Comments and Policy Considerations*

There were general comments and policy considerations about all three of the proposed standards as a whole. The House staff suggested that the term "descriptor" be removed from all of the proposed standards because it is not a common usage term. This term should remain in the standards since it has become a more widely used

term in the field of education. This is due to the fact that educators have added terms such as "standard category," "standard statement" and "standard descriptor" to their lexicon to communicate with one another regarding the outline of the standards.

Aside from general comments, there was the submission of comments on overall policy considerations. A public commentator indicated that the standards created financial hardships for the districts. Districts are charged with curriculum development. Although the standards may require some realignment and adjustment to the district's planned instruction, most standards concepts have been part of the courses previously taught. Therefore, the impact of the proposed standards in their final form would not create financial hardship for the districts.

There was the concern that there was too much to teach with the new standards, and as a result, educational basics would suffer. There was the issue of whether the standards discouraged local school board control of curriculum and allocation of resources to best meet the needs of their school's population. Educational basics for the 21st century, however, require students to deal with massive amounts of information. Instruction should model how many sources of information can be combined within one topic. Standards need to be taught through an interdisciplinary approach across curriculums. The content areas should be required to teach and instruct the basics within their subject areas. In addition, the standards encourage schools to offer planned instruction through separate courses, separate instructional units within a course or as part of an interdisciplinary practice.

A public commentator questioned whether textbooks are written to comport with the standards. While standards-based textbooks exist, they are often aligned with National standards and the standards of large states. It is anticipated that the Commonwealth's standards will be considered when textbook publishers revise and update their offerings. Therefore, as a result, the districts will have to do a crosswalk to match the textbooks to the standards, and when gaps exist, use handouts, workbooks, videos, library resources, the Internet or other instructional resources.

The same public commentator also addressed whether assessments needed to be changed to align with the standards. Schools continually update and revise their curriculum and local assessment tools. Upon final-form publication of new academic standards, § 4.12 (relating to academic standards) requires that schools will revise their curriculum and align their local assessments. State assessments are neither planned for these standards, nor are they required by the new Federal education requirements of the No Child Left Behind Act of 2001 (Pub.L. 107-110, 115 Stat. 1425) (January 8, 2001).

This public commentator suggested that a review process should be determined now and put into place upon implementation of the standards. Upon the Board's assessment of the review process, the Board determined that procedurally there is the need to focus on completion of the standards adoption process now, and then participate in an overall future review of Chapter 4 in its entirety. This review will take place in 2003.

#### *Arts and Humanities*

#### *General Comments*

IRRC provided general comments regarding the proposed standards for Arts and Humanities. In the Table of



Contents, IRRC identified various inconsistencies between the Table of Contents and the format of the standards, including: in Standard 9.1, the Table of Contents lists standard statements A—H, but the text contains standard statements A—K; in Standard 9.2, the Table of Contents lists standard statements A—E, but the text of Section 9.2 contains standard statements A—L; in Section 9.3, the Table of Contents lists standard statement A—E, but the text contains standard statements A—G. IRRC recommended that in the final-form rulemaking, the lettering in the Table of Contents should match the lettering in the text of the standards. IRRC also suggested that the identifying title associated with each letter in the Table of Contents should reflect the content of the corresponding standards in the body of the regulation. Both of these suggestions were included in the final-form rulemaking.

#### *Clarifying the Meaning of Individual Standards*

In addition to general comments, several changes were recommended by IRRC to make the individual standards for Arts and Humanities more precise and clear. First, Standards 9.1.3.H, 9.1.5.H, 9.1.8.H and 9.1.12.H refer to “issues of cleanliness related to the arts.” IRRC indicated that the phrase “issue of cleanliness” is vague. IRRC suggested that clarity would be improved if these descriptors were rephrased to specifically identify the activities encompassed by these standards. In response to this suggestion, the phrase “at work and performance spaces” was added to each appropriate level of the standards in the final-form rulemaking order to make clear that “cleanliness” involves issues of hygiene related to the work spaces in the arts.

Standards 9.1.3.J and 9.1.3.K require students “Know and use traditional and contemporary technologies.” Standard statements 9.1.5.J and 9.1.5.K require students to “Apply traditional and contemporary technologies. . . .” IRRC indicated that the difference between these standards is unclear, as the phrase “know and use” and the term “apply” could be interpreted as synonymous. IRRC suggested that examples of the types of skills required in each of these standards would help to clarify the actual intent of these standards.

These examples were not included in the final-form rulemaking, because “know and use” and “apply” require different levels of knowledge and skill, and therefore the terms are not synonymous and the suggested examples are not necessary. Application of “know and use” allows students to identify the traditional and contemporary technologies at the lowest appropriate level (such as, know and use a keyboard). At the third grade level “know and use” is the introduction, without application, to creative production. The fifth grade level is the application of “know and use” to practice and exploration through the creation of works in the art works (such as art, music, dance and theatre). Examples are listed at each grade level. At the third grade level, students can “know and use” any of the examples listed under traditional and contemporary technologies. For example, third graders can “know and use” charcoal as it is a traditional technology, and they also can “know and use” a CD-ROM as it is a contemporary technology.

“Apply” means a student may use the technologies to create a work in the arts (such as, apply the use of the keyboarding skills to the creating of a work in the arts). By the fifth grade level, students can “apply” additional skills to traditional wooden tools used in ceramics. They

can apply and work with multi-media to interface with CD-ROMs. Like application of “know and use,” each of these levels of “apply” has examples of both traditional and contemporary technologies.

Standards 9.3.3.A and 9.3.3.E require third graders to “Recognize critical processes used in the examination of works in the arts and humanities” and “Recognize and identify types of critical analyses in the arts and humanities.” IRRC agreed with the House staff that these requirements are inappropriate, as these standards are higher-level processes and would be difficult for kindergarten through third grade students to achieve. IRRC suggested, therefore, that the inclusion of these standards at the third grade level be reexamined. The House staff also questioned the age appropriateness of Standard 9.4.3.A, which requires third graders “Know how to respond to a philosophical statement about works in the arts and humanities. . . .” The House staff suggested that this standard needs clarification.

The standards remain at the third grade level, as they were concepts supported by research. According to National research of critical response, students at this age can make judgments about art, music, dance and theatre. Based upon documented evidence, this critical process is appropriate and very similar to that already used in the sciences.

Standard 9.4.5.B requires fifth grade students “Investigate and communicate multiple philosophical views about works in the arts.” The House staff suggested, and IRRC agreed, that this standard is confusing and should be reworded to clarify its intent. Both the House staff and IRRC also suggested clarification of the phrase “multiple philosophical views.”

“Multiple philosophical views” allow more than one specific interpretation of works in the arts. For example, individuals and children can have more than one philosophical view of a work in the arts; one child may like a work of art, while another may not like the images. This is philosophy at its lowest level. Currently, the Department is developing an online course for generalist and arts educators to provide them with a basic understanding of aesthetics. Four levels have been internationally researched and are identified, used and practiced throughout the course. These four levels of aesthetics include: internalize, personalize, extend and transcend. For example, a viewer may see a movie and like it; another sees it and feels that it follows the book (internalize), while another may think that the movie does not follow the book and does not like the actor interpreting the male lead (personalize); another person may feel the movie is great since it helps them connect to the person’s heritage. The third level is when the person sees a movie, personalizes the ideas, thinks about them, and expands the idea to other thoughts and beliefs. The highest level is to transcend thoughts in order to create or behave differently. It is anticipated that these concepts will encompass the requirements of Standard 9.4.5.B, and therefore this standard was not reworded in the final-form rulemaking.

#### *Added and Deleted Words, Definitions and Examples*

There were various suggestions that definitions be added or deleted from the Glossary. The glossary of terms used in the standards for the Arts and Humanities has been identified in the document, so that educators, community resources (State art museums, artists, and the like) and parents use the same vocabulary when having a discussion in their school district. The committee for

these standards used terms that were developed based on National standards, and sometimes more specifically applied to standards used in this Commonwealth.

Standard 9.1 lists the elements and principles of art forms that are included in the proposed standards. IRRC agreed with the suggestion of the House staff, and recommended that "style" should be added to the list of principles related to music. IRRC noted that "style" is included as a principle for dance and music. "Style" was not added to the list of principles related to music in Standard 9.1.3.A, because its inclusion as a principle is inconsistent with the National Standards for Music. These National standards indicate that style is not considered to be an element or principle. "Style" is listed in the National standards and is used as "how (distinctive or characteristic manner) the elements and principles are treated."

Furthermore, "style" is included in Standard 9.2.3.C when students are required to "Relate works in the arts to varying styles and genre to the periods in which they were created. . . ." Students can study "style" in all of the art forms when they hear or see, or both, a work of art in relation to both historical and cultural contexts. Therefore, style was not added as a principle for dance and music in the final-form rulemaking. (It should be noted that all of the National standards for the arts were used to develop these standards, and dance and theatre teachers of this Commonwealth were very active on the committee to develop these standards, and agreed with the use and interpretation of the terms in the standards that are related to their field.)

In addition, at the request of the House staff, a definition for "multi-media" was added to the Glossary, as the term was used in Standard 9.1.B.

At the suggestion of IRRC, the following terms were deleted from the Glossary in the final-form rulemaking, as these terms were not used in the standards: "arts criticism;" "arts integration;" "formal production/exhibition;" "repertoire;" and "synthesis." "Arts resource" was not deleted, at the suggestion of IRRC, because it is used in Standard 9.1.12. (See Standard 9.1.12.A). In addition, the term "aesthetic response" was added to the Glossary. IRRC requested that the term "assess" be removed from the Glossary, and that the term "assessment" be added to the Glossary. "Assess" was included, as opposed to "assessment," because the word "assess" was used in the standards.

#### *Health, Safety and Physical Education*

##### *General Comments*

IRRC indicated overall concerns with the age appropriateness of various portions of the proposed standards for Health, Safety and Physical Education. For example, IRRC questioned whether the content of Standard 10.5.3.B was appropriate for third graders, and whether the content of Standard 10.5.6.B was appropriate for sixth graders. IRRC suggested that the Board reexamine inclusion of these standards at the third and sixth grade levels. The House staff agreed, and further indicated that Standards 10.5.3.B, D, E and 10.5.6.B, D and E appear to be highly analytical and would be difficult for all third grade and all sixth grade children to achieve. Therefore, the House staff suggested that clarifying language or examples be used or that those standards, as written, be deleted.

These standards, in their current forms, are appropriate at both levels. The age designation of these concepts

is based on National research and the verbs used therein reflect Bloom's taxonomy. Furthermore, the teachers who participated in writing these standards are experts at these grade levels and have experience implementing these concepts at the levels designated. These teachers ensure that the students can be expected to "describe," "use" and "apply" the cognitive information in an age appropriate manner.

Furthermore, the standard statements were written to support both cognitive and psychomotor development. Children currently are introduced to these concepts but have not been provided with the appropriate terminology. In the past, these concepts have been taught through incidental rather than intentional teaching. Based on the proposed standards, children will now be provided with the appropriate terminology through intentional teaching.

The use of proper terminology supports the integration of subject learning across the disciplines. The language used within the standard statements encourages physical education teachers to intentionally teach the concepts with an interdisciplinary focus. By utilizing the correct terminology, the physical education standards can support other disciplines as well as other disciplines supporting physical education. The local school district physical education teachers select the specific skill or activity that best demonstrates the specific concept that should be taught. Explanations of the terminology used are provided in the glossary.

Standard 10.5.3.E requires students "Know and describe scientific principles that affect movement. . . ." This standard lists gravity as an example of a scientific principle. IRRC questioned whether this standard is too advanced for the third grade level, as in the Board's existing science standards; the concept of gravity is not addressed until the seventh grade. IRRC suggested that the Board reconsider inclusion of this standard at the third grade level.

Standard 10.5.6.E requires students to "Identify and use scientific principles that affect basic movement. . . ." This standard lists Newton's Laws of Motion as one of the scientific principles. IRRC questioned whether this standard is too advanced for the sixth grade level, as Newton's Laws are not addressed in the Board's existing science standards until the tenth grade in Standard 3.4.10.C. IRRC suggested that the Board should reconsider inclusion of this standard at the sixth grade level.

The Health, Safety and Physical Education standards and the Science and Technology standards align with respect to content and student expectations. The science standards have been written in a descriptive format while the standards for Health, Safety and Physical Education reinforce the use of proper terminology. Science Standards 3.4.4.C and 3.4.7.C align with the Standards 10.5.3.E and 10.5.6.E. Both of these standards address the issues of force and motion. Science Standard 3.4.4.C indicates that students at this level should "recognize forces that attract or repel other objects and demonstrate them." One type of force that applies to this standard is gravity, which is listed as a scientific principle that affects movement in Standard 10.5.3.E. While the specific term "gravity" is not used until later in the science standards, the concept of gravity is introduced by grade 4. In Standard 3.4.4.C, students at this level should "describe various types of motion." Standard 10.5.3.E identifies rotation, which is one type of motion. Standard 3.4.4.C requires students to "compare the relative movements of objects and describe types of motion that are evident." Standard 10.5.3.C

identifies the concept of “force production/force absorption.” These are factors that affect both movement and the resultant movement.

The same type of correlation can be made between Standard 3.4.7.C and Standard 10.5.6.E. Standard 3.4.7.C requires the student to “identify and explain the principles of force and motion” and “describe the motion of an object based on its position, direction and speed.” This information comprises Newton’s Laws of Motion that are identified in Standard 10.5.6.E. While the specific term “Newton’s Laws of Motion” is not used until later in the science standards, the concept of Newton’s Laws is introduced by grade 7.

Therefore, upon review, the Board determined that both of these standards were appropriate at the respective grade levels, and both standards remained in the final-form rulemaking.

#### *Clarifying the Meaning of Individual Standards*

A public commentator addressed that Standard 10.1.6.B requires that sixth grade students are taught to identify and describe the structure and function of the reproductive system, and Standard 10.1.6.E requires students to learn about sexually transmitted diseases. This public commentator questioned whether parents would object to these topics being taught at that grade level, and whether parents would object to the topics being taught in a mixed group of boys and girls. Statistics demonstrate that as of fifth grade, students need to be aware of both the structure and function of the reproductive system, as well as of sexually transmitted diseases, due to the occurrence of pregnancy at very young ages. As a result, students must be properly educated on these topics for their own self-protection.

This same public commentator suggested that parents should be informed that their children are being taught these subjects and be permitted to review the instructional materials. Parents also should have the option of allowing their children to be instructed on these subjects outside the classroom. These options exist at present. Section 4.4(d)(1) and (3) provides that: “[s]chool districts . . . shall adopt policies to assure that parents or guardians have . . . access to information about the curriculum, including academic standards to be achieved, instructional materials . . . the right to have their children excused from specific instruction which conflicts with their religious beliefs. . . .” Furthermore, the standards are not only written for teachers to plan their instruction, but also to aid parents in the education of their children. As a result, parents have access to the actual standards as they are provided on the Department’s website.

With respect to the concept of the family, this public commentator also recommended that the standards should be written to address the importance of marriage as an institution. It is not the purpose of the standards to discuss personal relationships or establish a value system, in order to ensure that no lifestyle judgments should ever be made or encouraged in the classroom.

In Standards 10.1.6.E and 10.1.9.E, the House staff suggested that the use of “sexual abstinence” as a separate bullet (not simply as an example) should be included in the standards on prevention of STD/HIV/AIDS and personal choice in disease prevention, as current regulations emphasize that abstinence is the only “reliable way” to prevent the transmission of sexually transmitted diseases (STDs). See § 4.29(b) (relating to HIV/AIDS and

other life-threatening and communicable diseases). The House staff further indicated that abstinence as well should be emphasized in these standards in this manner. IRRC agreed with a concern addressed by a public commentator regarding Standard 10.1. In this standard, education on sexually transmitted diseases is included in the sixth grade in Standard 10.1.6.E, but abstinence is not addressed until ninth grade in Standard 10.1.9.A. IRRC agreed that this apparent inconsistency is confusing.

Standard 10.1.6.E requires students “Identify and describe health problems that can occur throughout life.” According to IRRC, it would appear that classroom discussion of any disease would logically include dialogue on how a disease is contracted and how it can be prevented. Therefore, IRRC suggested that the Board should consider including disease prevention in both the 6th and the 9th grade standards.

To reinforce the concept and to make the introduction of abstinence consistent, Standard 10.1.6.E was revised to read as follows: “Identify health problems that can occur throughout life and describe ways to prevent them. Diseases (such as cancer, diabetes, STD/HIV/AIDS, cardiovascular disease). Preventions (that is do not smoke, maintain proper weight, eat a balanced diet, practice sexual abstinence, be physically active).” According to this standard, to practice sexual abstinence is an “i.e.” which, therefore, means that this prevention is mandated and must be taught by grade 6. It also must be noted that the standard statements (the statements with letters) are intertwined, and can be taught simultaneously. However, the information within the grade levels is written so that grade 3 information is a precursor to grade 6 information, and the like. The standards statements are to be integrated and should not be taught in isolation of the other standard statements.

Stressing abstinence from sexual activity was an extremely important focal point within the standards committee. Section 4.29 states: “[P]rograms discussing transmission [of disease] through sexual activity shall stress that abstinence from sexual activity is the only reliable means of preventing sexual transmission [of disease].” See § 4.29(b). Section 4.29 should remain in the curriculum regulations to emphasize the importance of abstinence. The listing of abstinence as a bullet, in addition to the content of § 4.29, will reinforce the importance of abstinence.

Standard 10.2.9.D states: “Analyze and apply a decisionmaking process to adolescent health and safety issues.” The House staff suggested that the example of teenage sexual abstinence should be included in this standard. Understanding the decisionmaking process and possessing the ability to apply the process is a foundation of health education and the development of a health literate individual. This process is critical to every topic that is discussed in health education. Since this process is critical to all areas of health, the standards committee determined that no bullets should be provided. By not listing specific bullets, the standard would emphasize the importance of the decisionmaking process for all areas.

#### *Added and Deleted Words, Definitions and Examples*

The other issue raised regarding the proposed standards was driver’s safety education. In Standard 10.3, the House staff suggested the inclusion of driver’s safety education. The House staff indicated to specifically include vehicle safety, traffic safety and basic driving skills

to Standards 10.3.9. and 10.3.12. In addition, IRRC considered the recommendations of a public commentator, who also suggested the expansion of proposed Standard 10.3 to include driver's education. IRRC indicated that it is reasonable to assume that most students will drive during their lifetime. Given the statistical significance of teenage motor vehicle accidents and fatalities, IRRC suggested that a standard should be included for classroom instruction of driver's safety education.

The standards recognize the importance of driver education. Safety education begins in grade 3 and progresses through grade 12. In Standard 10.3.3.A, modes of transportation are addressed. Children learn about following rules, wearing seatbelts and safety practices involved in different modes of transportation. By grade 9, Standard 10.3.9 requires that the students "Analyze the role of individual responsibility for safe practices and injury prevention in the home, school and community." Modes of transportation are once again discussed, including vehicular, passenger and all-terrain vehicles. By grade 12, Standard 10.3.12.A requires that students "Assess the personal and legal consequences of unsafe practices in the home, school, or community." Discussion involves personal injury, impact on others, loss of motor vehicle operator's license, and the like. Every bullet listed in these standards encourages driver safety education. Therefore, the Board felt that the issue of driver safety education had been sufficiently addressed by the proposed standards. Furthermore, driver education is not currently mandated in Chapter 4; therefore, these particular standards cannot mandate the teaching of basic driving skills.

Aside from the issue of driver education, other additions were suggested. Standard 10.2.3.A refers to "community helpers." IRRC suggested that for clarity, this term be defined in the Glossary and a definition was included in the final-form rulemaking.

In the Glossary, the term "biomechanics" was changed to "biomechanical principles," at the suggestion of IRRC, for consistency with its usage in Standard 10.5.12.E. IRRC recommended that the term "cardiorespiratory fitness" be added to the Glossary. To be consistent with the standards, the term "cardiorespiratory fitness," therefore, was added to the Glossary.

The term "refusal strategies" was removed from the Glossary and replaced with "refusal skills," to be consistent with Standard 10.3.3.C. While IRRC suggested that the term "multi-media" be added to the Glossary, the term "media sources" was added to the Glossary because this term is used in Standard 10.2.3.C.

#### *Family and Consumer Sciences*

##### *General Comments*

IRRC noted that a public commentator encouraged the need to include insurance concepts in the proposed standards (by way of its inclusion in either Appendix C or D). IRRC agreed when this public commentator indicated that every student will eventually be faced with purchasing an insurance policy of some type, such as car insurance, health insurance or renter's or homeowner's insurance. IRRC stated, therefore, that it would be reasonable to include basic insurance concepts in the standards, in particular in Standard 11.1. While the standards do not include an actual definition of insurance, the final-form rulemaking includes "insurance" as an example used in Standard 11.1.9.B: "Explain the responsibilities associated with managing personal fi-

nances (such as savings, checking, credit, noncash systems, investments, insurance)." Through application of this standard, teachers should develop and provide their students with a basic understanding of insurance concepts.

#### *Clarifying the Meaning of Individual Standards*

The House staff questioned the age appropriateness for Standard 11.1.3.F. The House staff was concerned that all third grade students might be instructed in the criteria for evaluating goods and services, but there was the question of whether they would be able to apply those criteria. The areas listed, however, have elementary level teaching resources. The purpose of these standards is to help students realize that they are making a decision when they exchange money for a product or services. Furthermore, these elementary level teaching resources indicate that the relevant age and grade levels applied to this particular standard can understand this concept. The House staff also suggested clarification for the use of "sound" in classifying foods in Standard 11.3.3.G. In the area of weight management, one of the newer practices is to use foods with a loud crunch, as these sounds are more satisfying (that is "celery").

#### *Added and Deleted Words, Definitions and Examples*

At the suggestion of IRRC, the final-form rulemaking resolved the inconsistency of the definition of "child development stage" in the Glossary and the appropriate stages listed in Standard 11.4.3.A were included in the definition. Age ranges were added to correspond to stages of child development in Standard 11.4.3.A. The job of a glossary is to clearly communicate the intent of the standard. An individual looking for the stages of child development would begin with the term "child development." While it is true that the two terms are almost interchangeable, "child development stage" was maintained for the convenience of the reader. As a result, the definition "child development stage" remained in the Glossary, as opposed to "stages of child development."

A typographical error also was changed in Standard 11.4.6.A. The inconsistency between the Glossary term "child-care provider considerations" and the use of "consideration prior to selecting child care providers" in Standard 11.4.6.D also was addressed and resolved in the final-form rulemaking, as Standard 11.4.6.D was amended to read: "Identify child-care provider considerations."

#### *Affected Parties*

The final-form rulemaking affects the students and professional employees of the public schools of this Commonwealth (including intermediate units, area vocational-technical schools, public charter and alternative schools).

#### *Costs and Paperwork Estimates*

The Department believes implementation of this final-form rulemaking will be cost neutral to school districts. Costs to implement this final-form rulemaking may include curriculum development and the professional development of teachers. However, these costs may be cost neutral, as they have already been included in the budget. For example, curriculum revision is an ongoing activity for schools and is typically part of their normal budgeting. Costs associated with aligning curricula with these standards at the local level will be minimized by the following state efforts: technical assistance in curriculum development provided by Department staff; imple-

mentation materials developed by the Department; training provided by intermediate units and professional associations to public schools. Professional development of teachers is an ongoing activity for schools and is addressed in the normal budgeting process by school districts. Specific programs designed to support the implementation of these standards will minimize any financial impact on school districts. Current year funds available for the Department to support these activities total \$4.38 million. These funds are available for implementation of both Appendix D, and other academic standards, by way of professional development.

*Effective Date*

This final-form rulemaking will become effective upon final publication in the *Pennsylvania Bulletin*.

*Sunset Date*

The effectiveness of Chapter 4 will be reviewed by the Board every 4 years, in accordance with the Board's policy and practice respecting all regulations promulgated by the Board. The Board plans to initiate its review of Chapter 4 in 2003. Thus, no sunset date is necessary.

*Regulatory Review*

Under section 5(a) of the Regulatory Review Act (71 P. S. § 745.5(a)), on January 31, 2002, the Board submitted a copy of the proposed rulemaking published at 32 Pa.B. 882, to IRRC and to the Chairpersons of the House and Senate Committees on Education for review and comment.

In compliance with section 5(c) of the Regulatory Review Act, the Board also provided IRRC and the Committees with copies of the comments received as well as other documentation. In preparing the final-form rulemaking, the Board considered the comments received from IRRC, the Committees and the public.

Under section 5.1(d) of the Regulatory Review Act (71 P. S. § 745.5a(d)), the final-form rulemaking was deemed approved by the Senate and House Committees on November 8, 2002. IRRC met on November 21, 2002, and approved the final-form rulemaking in accordance with section 5.1(e) of the Regulatory Review Act.

*Contact Person*

The official responsible for information on the final-form rulemaking is James E. Buckheit, Acting Executive Director, State Board of Education, 333 Market Street, Harrisburg, PA 17126-0333, (717) 787-3787 or TDD (717) 787-7367.

*Findings*

The Department finds that:

(1) Public notice of the 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 promulgated thereunder in 1 Pa. Code §§ 7.1 and 7.2.

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

(3) The final-form rulemaking is necessary and appropriate for the administration of the act.

*Order*

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

(a) The regulations of the Board, 22 Pa. Code Chapter 4, are amended by adding Appendix D to read as set forth in Annex A.

(b) The Acting Executive Director will submit this order and Annex A to the Office of General Counsel and the Office of Attorney General for review and approval as to legality and form as required by law.

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

(d) This order is effective upon final publication in the *Pennsylvania Bulletin*.

JAMES E. BUCKHEIT,  
*Acting Executive Director*

*(Editor's Note: For the text of the order of the Independent Regulatory Review Commission, relating to this document, see 32 Pa.B. 6016 (December 7, 2002).)*

**Fiscal Note:** 6-276. (1) General Fund; (2) Implementing Year 2002-03 is \$\*; (3) 1st Succeeding Year 2003-04 is \$; 2nd Succeeding Year 2004-05 is \$; 3rd Succeeding Year 2005-06 is \$; 4th Succeeding Year 2006-07 is \$; 5th Succeeding Year 2007-08 is \$; (4) 2001-02 Program—\$3.67 million; 2000-01 Program—\$3.95 million; 1999-00 Program—\$1.92 million; (7) For teacher professional development associated with new academic standards, etc.; (8) recommends adoption.

**Annex A**

**TITLE 22. EDUCATION**

**PART I. STATE BOARD OF EDUCATION**

**CHAPTER 4. ACADEMIC STANDARDS FOR ASSESSMENT**

**APPENDIX D**

**Academic Standards for the Arts and Humanities and Health, Safety and Physical Education and Family and Consumer Sciences**

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- G. Function and Analysis of Rehearsals and Practice Sessions
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\*Costs cannot be separately identified by type of academic standard, but are included within the annual appropriation.

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**XXVI. INTRODUCTION**

The Academic Standards for the Arts and Humanities describe what students should know and be able to do at the end of grades 3, 5, 8 and 12 in the visual and performing arts and the understanding about humanities context within the arts. The arts include dance, music, theatre and visual arts. The arts and the humanities are interconnected through the inclusion of history, criticism and aesthetics. In addition, the humanities include literature and language, philosophy, social studies and world languages. The areas encompassed in the humanities such as jurisprudence, comparative religions and ethics are included among other standards documents. The interconnected arts and humanities areas are divided into these standards categories:

- 9.1. Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts
- 9.2. Historical and Cultural Contexts
- 9.3. Critical Response
- 9.4. Aesthetic Response

The Academic Standards for the Arts and Humanities define the content for planned instruction that will result

in measurable gains for all students in knowledge and skills and provide a basis of learning for continued study in the arts. The unifying themes of production, history, criticism and aesthetics are common to each area of study within the Academic Standards in the Arts and Humanities.

- Dance Education is a kinesthetic art form that satisfies the human need to respond to life experiences through movement of the physical being.
- Music Education is an aural art form that satisfies the human need to respond to life experiences through singing, listening and/or playing an instrument.
- Theatre Education is an interdisciplinary art form that satisfies the human need to express thoughts and feelings through written text, dramatic interpretation and multimedia production.
- Visual Arts Education is a spatial art form that satisfies the human need to respond to life experiences through images, structures and tactile works.
- Humanities Education is the understanding and integration of human thought and accomplishment.

Knowledge of the Academic Standards for the Arts and Humanities incorporates carefully developed and integrated components:

- Application of problem solving skills
- Extensive practice in the comprehension of basic symbol systems and abstract concepts
- Application of technical skills in practical production and performance
- Comprehension and application of the creative process
- Development and practice of creative thinking skills
- Development of verbal and nonverbal communication skills

These standards provide the targets essential for success in student learning in arts and humanities. They describe the expectations for students' achievement and performance throughout their education in Pennsylvania schools. Utilizing these standards, school entities can develop a local school curriculum that will meet their students' needs.

The arts represent society's capacity to integrate human experience with individual creativity. Comprehensive study of the arts provides an opportunity for all students to observe, reflect and participate both in the arts of their culture and the cultures of others. Sequential study in the arts and humanities provides the knowledge and the analytical skills necessary to evaluate and critique a media-saturated culture. An arts education contributes to the development of productive citizens who have gained creative and technological knowledge necessary for employment in the 21st Century.

A glossary is included to assist the reader in understanding terminology contained in the standards.

9.1. Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts			
9.1.3. GRADE 3	9.1.5. GRADE 5	9.1.8. GRADE 8	9.1.12. GRADE 12
<p><b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b></p>			
<p>A. Know and use the elements and principles of each art form to create works in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Elements                             <ul style="list-style-type: none"> <li>• Dance: • energy/force • space • time</li> <li>• Music: • duration • intensity • pitch • timbre</li> <li>• Theatre: • scenario • script/text • set design</li> <li>• Visual Arts: • color • form/shape • line • space • texture • value</li> </ul> </li> <li>• Principles                             <ul style="list-style-type: none"> <li>• Dance: • choreography • form • genre • improvisation • style • technique</li> <li>• Music: • composition • form • genre • harmony • rhythm • texture</li> <li>• Theatre: • balance • collaboration • discipline • emphasis • focus • intention • movement • rhythm • style voice</li> <li>• Visual Arts: • balance • contrast • emphasis/focal point • movement/rhythm • proportion/scale • repetition unity/harmony</li> </ul> </li> </ul>			
<p>B. Recognize, know, use and demonstrate a variety of appropriate arts elements and principles to produce, review and revise original works in the arts.</p> <ul style="list-style-type: none"> <li>• Dance: • move • perform • read and notate dance • create and choreograph • improvise</li> <li>• Music: • sing • play an instrument • read and notate music • compose and arrange • improvise</li> <li>• Theatre: • stage productions • read and write scripts • improvise • interpret a role • design sets • direct</li> <li>• Visual Arts: • paint • draw • craft • sculpt • print • design for environment, communication, multi-media</li> </ul>			
<p>C. Recognize and use fundamental vocabulary within each of the arts forms.</p>	<p>C. Know and use fundamental vocabulary within each of the arts forms.</p>	<p>C. Identify and use comprehensive vocabulary within each of the arts forms.</p>	<p>C. Integrate and apply advanced vocabulary to the arts forms.</p>
<p>D. Use knowledge of varied styles within each art form through a performance or exhibition of unique work.</p>	<p>D. Describe and use knowledge of a specific style within each art form through a performance or exhibition of a unique work.</p>	<p>D. Demonstrate knowledge of at least two styles within each art form through performance or exhibition of unique works.</p>	<p>D. Demonstrate specific styles in combination through the production or performance of a unique work of art (e.g., a dance composition that combines jazz dance and African dance).</p>
<p>E. Demonstrate the ability to define objects, express emotions, illustrate an action or relate an experience through creation of works in the arts.</p>	<p>E. Know and demonstrate how arts can communicate experiences, stories or emotions through the production of works in the arts.</p>	<p>E. Communicate a unifying theme or point of view through the production of works in the arts.</p>	<p>E. Delineate a unifying theme through the production of a work of art that reflects skills in media processes and techniques.</p>
<p>F. Identify works of others through a performance or exhibition (e.g., exhibition of student paintings based on the study of Picasso).</p>	<p>F. Describe works of others through performance or exhibition in two art forms.</p>	<p>F. Explain works of others within each art form through performance or exhibition.</p>	<p>F. Analyze works of arts influenced by experiences or historical and cultural events through production, performance or exhibition.</p>
<p>G. Recognize the function of rehearsals and practice sessions.</p>	<p>G. Identify the function and benefits of rehearsal and practice sessions.</p>	<p>G. Explain the function and benefits of rehearsal and practice sessions.</p>	<p>G. Analyze the effect of rehearsal and practice sessions.</p>

9.1. Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts			
9.1.3. GRADE 3	9.1.5. GRADE 5	9.1.8. GRADE 8	9.1.12. GRADE 12
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
<p>H. Handle materials, equipment and tools safely at work and performance spaces.</p> <ul style="list-style-type: none"> <li>• Identify materials used.</li> <li>• Identify issues of cleanliness related to the arts.</li> <li>• Recognize some mechanical/electrical equipment.</li> <li>• Recognize differences in selected physical space/environments.</li> <li>• Recognize the need to select safe props/stage equipment.</li> <li>• Identify methods for storing materials in the arts.</li> </ul> <p>I. Identify arts events that take place in schools and in communities.</p> <p>J. Know and use traditional and contemporary technologies for producing, performing and exhibiting works in the arts or the works of others.</p> <ul style="list-style-type: none"> <li>• Know and use traditional technologies (e.g., charcoal, pigments, clay, needle/thread, quill pens, stencils, tools for wood carving, looms, stage equipment).</li> <li>• Know and use contemporary technologies (e.g., CDs/software, audio/sound equipment, polymers, clays, board-mixers, photographs, recorders).</li> </ul> <p>K. Know and use traditional and contemporary technologies for furthering knowledge and understanding in the humanities.</p>	<p>H. Use and maintain materials, equipment and tools safely at work and performance spaces.</p> <ul style="list-style-type: none"> <li>• Describe some materials used.</li> <li>• Describe issues of cleanliness related to the arts.</li> <li>• Describe types of mechanical/electrical equipment usage.</li> <li>• Know how to work in selected physical space/environments.</li> <li>• Identify the qualities of safe props/stage equipment.</li> <li>• Describe methods for storing materials in the arts.</li> </ul> <p>I. Describe arts events that take place in schools and in communities.</p> <p>J. Apply traditional and contemporary technologies for producing, performing and exhibiting works in the arts or the works of others.</p> <ul style="list-style-type: none"> <li>• Experiment with traditional technologies (e.g., ceramic/wooden tools, earthen clays, masks, instruments, folk shoes, etching tools, folk looms).</li> <li>• Experiment with contemporary technologies (e.g., color fills on computers, texture methods on computers, fonts/point systems, animation techniques, video conferencing, multimedia techniques, internet access, library computer card catalogues).</li> </ul> <p>K. Apply traditional and contemporary technology in furthering knowledge and understanding in the humanities.</p>	<p>H. Demonstrate and maintain materials, equipment and tools safely at work and performance spaces.</p> <ul style="list-style-type: none"> <li>• Analyze the use of materials.</li> <li>• Explain issues of cleanliness related to the arts.</li> <li>• Explain the use of mechanical/electrical equipment.</li> <li>• Demonstrate how to work in selected physical space/environment.</li> <li>• Demonstrate the selection of safe props/stage equipment.</li> <li>• Demonstrate methods for storing materials in the arts.</li> </ul> <p>I. Know where arts events, performances and exhibitions occur and how to gain admission.</p> <p>J. Incorporate specific uses of traditional and contemporary technologies within the design for producing, performing and exhibiting works in the arts or the works of others.</p> <ul style="list-style-type: none"> <li>• Explain and demonstrate traditional technologies (e.g., paint, tools, sponges, weaving designs, instruments, natural pigments/glazes).</li> <li>• Explain and demonstrate contemporary technologies (e.g., MIDI keyboards, internet design, computers, interactive technologies, audio/sound equipment, board-mixer, video equipment, computerized lighting design).</li> </ul> <p>K. Incorporate specific uses of traditional and contemporary technologies in furthering knowledge and understanding in the humanities.</p>	<p>H. Incorporate the effective and safe use of materials, equipment and tools into the production of works in the arts at work and performance spaces.</p> <ul style="list-style-type: none"> <li>• Evaluate the use and applications of materials.</li> <li>• Evaluate issues of cleanliness related to the arts.</li> <li>• Evaluate the use and applications of mechanical/electrical equipment.</li> <li>• Evaluate differences among selected physical space/environment.</li> <li>• Evaluate the use and applications of safe props/stage equipment.</li> <li>• Evaluate the use and apply safe methods for storing materials in the arts.</li> </ul> <p>I. Distinguish among a variety of regional arts events and resources and analyze methods of selection and admission.</p> <p>J. Analyze and evaluate the use of traditional and contemporary technologies for producing, performing and exhibiting works in the arts or the works of others.</p> <ul style="list-style-type: none"> <li>• Analyze traditional technologies (e.g., acid printing, etching methods, musical instruments, costume materials, eight track recording, super 8 movies).</li> <li>• Analyze contemporary technologies (e.g., virtual reality design, instrument enhancements, photographic tools, broadcast equipment, film cameras, preservation tools, web graphics, computer generated marching band designs).</li> </ul> <p>K. Analyze and evaluate the use of traditional and contemporary technologies in furthering knowledge and understanding in the humanities.</p>



<b>9.2. Historical and Cultural Contexts</b>			
<b>9.2.3. GRADE 3</b>	<b>9.2.5. GRADE 5</b>	<b>9.2.8. GRADE 8</b>	<b>9.2.12. GRADE 12</b>
<p><b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to identify, compare, contrast and analyze works in the arts in their historical and cultural context appropriate for each grade level in concert with districts' social studies, literature and language standards.</i></b></p>			
<p>A. Explain the historical, cultural and social context of an individual work in the arts.</p> <p>B. Relate works in the arts chronologically to historical events (e.g., 10,000 B.C. to present).</p> <p>C. Relate works in the arts to varying styles and genre and to the periods in which they were created (e.g., Bronze Age, Ming Dynasty, Renaissance, Classical, Modern, Post-Modern, Contemporary, Futuristic, others).</p> <p>D. Analyze a work of art from its historical and cultural perspective.</p> <p>E. Analyze how historical events and culture impact forms, techniques and purposes of works in the arts (e.g., Gilbert and Sullivan operettas).</p> <p>F. Know and apply appropriate vocabulary used between social studies and the arts and humanities.</p> <p>G. Relate works in the arts to geographic regions:</p> <ul style="list-style-type: none"> <li>• Africa</li> <li>• Asia</li> <li>• Australia</li> <li>• Central America</li> <li>• Europe</li> <li>• North America</li> <li>• South America</li> </ul> <p>H. Identify, describe and analyze the work of Pennsylvania Artists in dance, music, theatre and visual arts.</p> <p>I. Identify, explain and analyze philosophical beliefs as they relate to works in the arts (e.g., classical architecture, rock music, Native American dance, contemporary American musical theatre).</p> <p>J. Identify, explain and analyze historical and cultural differences as they relate to works in the arts (e.g., plays by Shakespeare, works by Michelangelo, ethnic dance and music).</p> <p>K. Identify, explain and analyze traditions as they relate to works in the arts (e.g., story telling—plays, oral histories—poetry, work songs—blue grass).</p> <p>L. Identify, explain and analyze common themes, forms and techniques from works in the arts (e.g., Copland and Graham's <i>Appalachian Spring</i> and Millet's <i>The Gleaners</i>).</p>			

<b>9.3. Critical Response</b>			
<b>9.3.3. GRADE 3</b>	<b>9.3.5. GRADE 5</b>	<b>9.3.8. GRADE 8</b>	<b>9.3.12. GRADE 12</b>
<p><b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b></p>			
<p>A. Recognize critical processes used in the examination of works in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Compare and contrast</li> <li>• Analyze</li> <li>• Interpret</li> <li>• Form and test hypotheses</li> <li>• Evaluate/form judgments</li> </ul> <p>B. Know that works in the arts can be described by using the arts elements, principles and concepts (e.g., use of color, shape and pattern in Mondrian's <i>Broadway Boogie-Woogie</i>; use of dynamics, tempo, texture in Ravel's <i>Bolero</i>).</p>	<p>A. Identify critical processes in the examination of works in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Compare and contrast</li> <li>• Analyze</li> <li>• Interpret</li> <li>• Form and test hypotheses</li> <li>• Evaluate/form judgments</li> </ul> <p>B. Describe works in the arts comparing similar and contrasting characteristics (e.g., staccato in Grieg's <i>In the Hall of the Mountain King</i> and in tap dance).</p>	<p>A. Know and use the critical process of the examination of works in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Compare and contrast</li> <li>• Analyze</li> <li>• Interpret</li> <li>• Form and test hypotheses</li> <li>• Evaluate/form judgments</li> </ul> <p>B. Analyze and interpret specific characteristics of works in the arts within each art form (e.g., pentatonic scales in Korean and Indonesian music).</p>	<p>A. Explain and apply the critical examination processes of works in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Compare and contrast</li> <li>• Analyze</li> <li>• Interpret</li> <li>• Form and test hypotheses</li> <li>• Evaluate/form judgments</li> </ul> <p>B. Determine and apply criteria to a person's work and works of others in the arts (e.g., use visual scanning techniques to critique the student's own use of sculptural space in comparison to Julio Gonzales' use of space in <i>Woman Combing Her Hair</i>).</p>

<b>9.3. Critical Response</b>			
<b>9.3.3. GRADE 3</b>	<b>9.3.5. GRADE 5</b>	<b>9.3.8. GRADE 8</b>	<b>9.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
<p>C. Know classification skills with materials and processes used to create works in the arts (e.g., sorting and matching textiles, musical chants, television comedies).</p> <p>D. Explain meanings in the arts and humanities through individual works and the works of others using a fundamental vocabulary of critical response.</p> <p>E. Recognize and identify types of critical analysis in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Contextual criticism</li> <li>• Formal criticism</li> <li>• Intuitive criticism</li> </ul> <p>F. Know how to recognize and identify similar and different characteristics among works in the arts (e.g., Amish and Hawaiian quilts, Navaho weavings and Kente cloth from West Africa).</p> <p>G. Know and demonstrate what a critic's position or opinion is related to works in the arts and humanities (e.g., I like patriotic songs because ...; The movie was enjoyed for its exceptional special effects).</p>	<p>C. Classify works in the arts by forms in which they are found (e.g., farce, architecture, graphic design).</p> <p>D. Compare similar and contrasting important aspects of works in the arts and humanities based on a set of guidelines using a comprehensive vocabulary of critical response.</p> <p>E. Describe and use types of critical analysis in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Contextual criticism</li> <li>• Formal criticism</li> <li>• Intuitive criticism</li> </ul> <p>F. Know how to recognize the process of criticism in identifying and analyzing characteristics among works in the arts.</p> <p>G. Describe a critic's position or opinion about selected works in the arts and humanities (e.g., student's presentation of a critical position on Walt Disney's <i>Evolution of Mickey and Minnie Mouse</i>).</p>	<p>C. Identify and classify styles, forms, types and genre within art forms (e.g., modern dance and the ethnic dance, a ballad and a patriotic song).</p> <p>D. Evaluate works in the arts and humanities using a complex vocabulary of critical response.</p> <p>E. Interpret and use various types of critical analysis in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Contextual criticism</li> <li>• Formal criticism</li> <li>• Intuitive criticism</li> </ul> <p>F. Apply the process of criticism to identify characteristics among works in the arts.</p> <p>G. Compare and contrast critical positions or opinions about selected works in the arts and humanities (e.g., critic's review and comparison of Alvin Ailey's <i>Revelations</i> to Tchaikovsky's <i>Swan Lake</i>).</p>	<p>C. Apply systems of classification for interpreting works in the arts and forming a critical response.</p> <p>D. Analyze and interpret works in the arts and humanities from different societies using culturally specific vocabulary of critical response.</p> <p>E. Examine and evaluate various types of critical analysis of works in the arts and humanities.</p> <ul style="list-style-type: none"> <li>• Contextual criticism</li> <li>• Formal criticism</li> <li>• Intuitive criticism</li> </ul> <p>F. Analyze the processes of criticism used to compare the meanings of a work in the arts in both its own and present time.</p> <p>G. Analyze works in the arts by referencing the judgments advanced by arts critics as well as one's own analysis and critique.</p>
<b>9.4. Aesthetic Response</b>			
<b>9.4.3. GRADE 3</b>	<b>9.4.5. GRADE 5</b>	<b>9.4.8. GRADE 8</b>	<b>9.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
<p>A. Know how to respond to a philosophical statement about works in the arts and humanities (e.g., "Can artworks that depict or are about ugly or unpleasant things ever be beautiful?").</p>	<p>A. Identify uses of expressive symbols that show philosophical meanings in works in the arts and humanities (e.g., American TV ads versus Asian TV ads).</p>	<p>A. Compare and contrast examples of group and individual philosophical meanings of works in the arts and humanities (e.g., group discussions on musical theatre versus the individual's concept of musical theatre).</p>	<p>A. Evaluate an individual's philosophical statement on a work in the arts and its relationship to one's own life based on knowledge and experience.</p>

9.4. Aesthetic Response			
9.4.3. GRADE 3	9.4.5. GRADE 5	9.4.8. GRADE 8	9.4.12. GRADE 12
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
<p>B. Know how to communicate an informed individual opinion about the meaning of works in the arts (e.g., works of an artist of the month).</p> <p>C. Recognize that the environment of the observer influences individual aesthetic responses to works in the arts (e.g., the effect of live music as opposed to listening to the same piece on a car radio).</p> <p>D. Recognize that choices made by artists regarding subject matter and themes communicate ideas through works in the arts and humanities (e.g., artist's interpretation through the use of classical ballet of the American West in Agnes De Mille's <i>Rodeo</i>).</p>	<p>B. Investigate and communicate multiple philosophical views about works in the arts.</p> <p>C. Identify the attributes of various audiences' environments as they influence individual aesthetic response (e.g., Beatles' music played by the Boston Pops versus video taped concerts from the 1970s).</p> <p>D. Explain choices made regarding media, technique, form, subject matter and themes that communicate the artist's philosophy within a work in the arts and humanities (e.g., selection of stage lighting in Leonard Bernstein's <i>West Side Story</i> to communicate mood).</p>	<p>B. Compare and contrast informed individual opinions about the meaning of works in the arts to others (e.g., debate philosophical opinions within a listserve or at an artist's website).</p> <p>C. Describe how the attributes of the audience's environment influence aesthetic responses (e.g., the ambiance of the theatre in a performance of Andrew Lloyd Weber's <i>Cats</i>).</p> <p>D. Describe to what purpose philosophical ideas generated by artists can be conveyed through works in the arts and humanities (e.g., T. Ganson's <i>Destructive Periods in Russia During Stalin's and Deniken's Leadership</i> conveys her memories and emotions of a specific incident).</p>	<p>B. Describe and analyze the effects that works in the arts have on groups, individuals and the culture (e.g., Orson Welles' 1938 radio broadcast, <i>War of the Worlds</i>).</p> <p>C. Compare and contrast the attributes of various audiences' environments as they influence individual aesthetic response (e.g., viewing traditional <i>Irish</i> dance at county fair versus the performance of <i>River Dance</i> in a concert hall).</p> <p>D. Analyze and interpret a philosophical position identified in works in the arts and humanities.</p>

## XXVII. GLOSSARY

<b>Aesthetics:</b>	A branch of philosophy that focuses on the nature of beauty, the nature and value of the arts and the inquiry processes and human responses they produce.
<b>Aesthetic criteria:</b>	Standards on which to make judgments about the artistic merit of a work of art, derived from cultural and emotional values and cognitive meaning.
<b>Aesthetic response:</b>	A philosophical reply to works in the arts.
<b>Artistic choices:</b>	Selections made by artists in order to convey meaning.
<b>Arts resource:</b>	An outside community asset (e.g., performances, exhibitions, performers, artists).
<b>Assess:</b>	To analyze and determine the nature and quality of the process/product through means appropriate to the art form.
<b>Community:</b>	A group of people who share a common social, historical, regional or cultural heritage.
<b>Contemporary technology:</b>	Tools, machines or implements emerging and used today for the practice or production of works in the arts.
<b>Context:</b>	A set of interrelated background conditions (e.g., social, economic, political) that influence and give meaning to the development and reception of thoughts, ideas or concepts and that define specific cultures and eras.
<b>Create:</b>	To produce works in the arts using materials, techniques, processes, elements, principles and analysis.
<b>Critical analysis:</b>	The process of examining and discussing the effective uses of specific aspects of works in the arts.
<b>Contextual criticism:</b>	Discussion and evaluation with consideration of factors surrounding the origin and heritage to works in the arts and humanities.
<b>Formal Criticism:</b>	Discussion and evaluation of the elements and principles essential to works in the arts and humanities.
<b>Intuitive Criticism:</b>	Discussion and evaluation of one's subjective insight to works in the arts and humanities.

<b>Critical process:</b>	The use of sequential examination through comparison, analysis, interpretation, formation and testing of hypothesis and evaluation to form judgments.
<b>Critical response:</b>	The act or process of describing and evaluating the media, processes and meanings of works in the arts and making comparative judgments.
<b>Culture:</b>	The way of life of a group of people, including customs, beliefs, arts, institutions and worldview. Culture is acquired through many means and is always changing.
<b>Elements:</b>	Core components that support the principles of the arts.
<b>Genre:</b>	A type or category (e.g., music—opera, oratorio; theater—tragedy, comedy; dance—modern, ballet; visual arts—pastoral, scenes of everyday life).
<b>Humanities:</b>	The branch of learning that connects the fine arts, literature, languages, philosophy and cultural science. The humanities are concerned with the understanding and integration of human thought and accomplishment.
<b>Improvisation:</b>	Spontaneous creation requiring focus and concentration.
<b>MIDI keyboard:</b>	(Musical Instrument Digital Interface) A piece of equipment that interacts with a computer that uses a MIDI language set-up to notate and play music.
<b>Multimedia:</b>	The combined use of media, such as movies, CD-ROMs, television, radio, print and the Internet for entertainment and publicity.
<b>Original works in the arts:</b>	Dance, music, theatre and visual arts pieces created by performing or visual artists.
<b>Principles:</b>	Essential assumptions, basic or essential qualities determining intrinsic characteristics.
<b>Style:</b>	A distinctive or characteristic manner of expression.
<b>Technique:</b>	Specific skills and details employed by an artist, craftsperson or performer in the production of works in the arts.
<b>Timbre:</b>	A unique quality of sound.
<b>Traditions:</b>	Knowledge, opinions and customs a group feels is so important that members continue to practice it and pass it on to other generations.
<b>Traditional technology:</b>	Tools, machines or implements used for the historical practice or production of works in the arts.
<b>Vocabulary:</b>	Age and content appropriate terms used in the instruction of the arts and humanities that demonstrate levels of proficiency as defined in local curriculum (i.e., fundamental—grade 3, comprehensive—grade 5, discriminating—grade 8 and advanced—grade 12).

**Academic Standards for Health, Safety and Physical Education**

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**XXIX. INTRODUCTION**

This document includes Academic Standards for Health, Safety and Physical Education in these categories:

- 10.1 Concepts of Health
- 10.2 Healthful Living
- 10.3 Safety and Injury Prevention
- 10.4 Physical Activity
- 10.5 Concepts, Principles and Strategies of Movement

The Academic Standards for Health, Safety and Physical Education describe what students should know and be able to do by the end of third, sixth, ninth and twelfth grade. The standards are sequential across the grade levels and reflect the increasing complexity and rigor that students are expected to achieve. The Standards define the content for planned instruction that will result in measurable gains for all students in knowledge and skill. School entities will use these standards to develop local school curriculum and assessments that will meet the needs of the students.

The Academic Standards for Health, Safety and Physical Education provide students with the knowledge and skills that will enable them to achieve and maintain a physically active and healthful life. The attainment of these standards will favorably impact their lives and the lives of those around them. By becoming and remaining physically, mentally, socially and emotionally healthy, students will increase their chances of achieving to their highest academic potential.

The Academic Standards for Health, Safety and Physical Education provide parents with specific information about the knowledge and skills students should be developing as they progress through their educational programs. With the standards serving as clearly defined targets, parents, students, teachers and community members will be able to become partners in helping children achieve educational success.

A glossary is included to assist the reader in understanding terminology contained in the standards.

<b>10.1. Concepts of Health</b>			
<b>10.1.3. GRADE 3</b>	<b>10.1.6. GRADE 6</b>	<b>10.1.9. GRADE 9</b>	<b>10.1.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
<p>A. Identify and describe the stages of growth and development.</p> <ul style="list-style-type: none"> <li>• infancy</li> <li>• childhood</li> <li>• adolescence</li> <li>• adulthood</li> <li>• late adulthood</li> </ul> <p>B. Identify and know the location and function of the major body organs and systems.</p> <ul style="list-style-type: none"> <li>• circulatory</li> <li>• respiratory</li> <li>• muscular</li> <li>• skeletal</li> <li>• digestive</li> </ul> <p>C. Explain the role of the food guide pyramid in helping people eat a healthy diet.</p> <ul style="list-style-type: none"> <li>• food groups</li> <li>• number of servings</li> <li>• variety of food</li> <li>• nutrients</li> </ul>	<p>A. Describe growth and development changes that occur between childhood and adolescence and identify factors that can influence these changes.</p> <ul style="list-style-type: none"> <li>• education</li> <li>• socioeconomic</li> </ul> <p>B. Identify and describe the structure and function of the major body systems.</p> <ul style="list-style-type: none"> <li>• nervous</li> <li>• muscular</li> <li>• integumentary</li> <li>• urinary</li> <li>• endocrine</li> <li>• reproductive</li> <li>• immune</li> </ul> <p>C. Analyze nutritional concepts that impact health.</p> <ul style="list-style-type: none"> <li>• caloric content of foods</li> <li>• relationship of food intake and physical activity (energy output)</li> <li>• nutrient requirements</li> <li>• label reading</li> <li>• healthful food selection</li> </ul>	<p>A. Analyze factors that impact growth and development between adolescence and adulthood.</p> <ul style="list-style-type: none"> <li>• relationships (e.g., dating, friendships, peer pressure)</li> <li>• interpersonal communication</li> <li>• risk factors (e.g., physical inactivity, substance abuse, intentional/unintentional injuries, dietary patterns)</li> <li>• abstinence</li> <li>• STD and HIV prevention</li> <li>• community</li> </ul> <p>B. Analyze the interdependence existing among the body systems.</p> <p>C. Analyze factors that impact nutritional choices of adolescents.</p> <ul style="list-style-type: none"> <li>• body image</li> <li>• advertising</li> <li>• dietary guidelines</li> <li>• eating disorders</li> <li>• peer influence</li> <li>• athletic goals</li> </ul>	<p>A. Evaluate factors that impact growth and development during adulthood and late adulthood.</p> <ul style="list-style-type: none"> <li>• acute and chronic illness</li> <li>• communicable and non-communicable disease</li> <li>• health status</li> <li>• relationships (e.g., marriage, divorce, loss)</li> <li>• career choice</li> <li>• aging process</li> <li>• retirement</li> </ul> <p>B. Evaluate factors that impact the body systems and apply protective/preventive strategies.</p> <ul style="list-style-type: none"> <li>• fitness level</li> <li>• environment (e.g., pollutants, available health care)</li> <li>• health status (e.g., physical, mental, social)</li> <li>• nutrition</li> </ul> <p>C. Analyze factors that impact nutritional choices of adults.</p> <ul style="list-style-type: none"> <li>• cost</li> <li>• food preparation (e.g., time, skills)</li> <li>• consumer skills (e.g., understanding food labels, evaluating fads)</li> <li>• nutritional knowledge</li> <li>• changes in nutritional requirements (e.g., age, physical activity level)</li> </ul>

<b>10.1. Concepts of Health</b>			
<b>10.1.3. GRADE 3</b>	<b>10.1.6. GRADE 6</b>	<b>10.1.9. GRADE 9</b>	<b>10.1.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
<p>D. Know age appropriate drug information.</p> <ul style="list-style-type: none"> <li>• definition of drugs</li> <li>• effects of drugs</li> <li>• proper use of medicine</li> <li>• healthy/unhealthy risk-taking (e.g. inhalant use, smoking)</li> <li>• skills to avoid drugs</li> </ul> <p>E. Identify types and causes of common health problems of children.</p> <ul style="list-style-type: none"> <li>• infectious diseases (e.g., colds, flu, chickenpox)</li> <li>• noninfectious diseases (e.g., asthma, hay fever, allergies, Lyme disease)</li> <li>• germs</li> <li>• pathogens</li> <li>• heredity</li> </ul>	<p>D. Explain factors that influence childhood and adolescent drug use.</p> <ul style="list-style-type: none"> <li>• peer influence</li> <li>• body image (e.g., steroids, enhancers)</li> <li>• social acceptance</li> <li>• stress</li> <li>• media influence</li> <li>• decision-making/refusal skills</li> <li>• rules, regulations and laws</li> <li>• consequences</li> </ul> <p>E. Identify health problems that can occur throughout life and describe ways to prevent them.</p> <ul style="list-style-type: none"> <li>• Diseases (e.g., cancer, diabetes, STD/HIV/AIDS, cardiovascular disease)</li> <li>• Preventions (i.e. do not smoke, maintain proper weight, eat a balanced diet, practice sexual abstinence, be physically active)</li> </ul>	<p>D. Analyze prevention and intervention strategies in relation to adolescent and adult drug use.</p> <ul style="list-style-type: none"> <li>• decision-making/refusal skills</li> <li>• situation avoidance</li> <li>• goal setting</li> <li>• professional assistance (e.g., medical, counseling, support groups)</li> <li>• parent involvement</li> </ul> <p>E. Analyze how personal choice, disease and genetics can impact health maintenance and disease prevention.</p>	<p>D. Evaluate issues relating to the use/non-use of drugs.</p> <ul style="list-style-type: none"> <li>• psychology of addiction</li> <li>• social impact (e.g., cost, relationships)</li> <li>• chemical use and fetal development</li> <li>• laws relating to alcohol, tobacco and chemical substances</li> <li>• impact on the individual</li> <li>• impact on the community</li> </ul> <p>E. Identify and analyze factors that influence the prevention and control of health problems.</p> <ul style="list-style-type: none"> <li>• research</li> <li>• medical advances</li> <li>• technology</li> <li>• government policies/regulations</li> </ul>

<b>10.2. Healthful Living</b>			
<b>10.2.3. GRADE 3</b>	<b>10.2.6. GRADE 6</b>	<b>10.2.9. GRADE 9</b>	<b>10.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
<p>A. Identify personal hygiene practices and community helpers that promote health and prevent the spread of disease.</p> <p>B. Identify health-related information.</p> <ul style="list-style-type: none"> <li>• signs and symbols</li> <li>• terminology</li> <li>• products and services</li> </ul> <p>C. Identify media sources that influence health and safety.</p> <p>D. Identify the steps in a decision making process.</p>	<p>A. Explain the relationship between personal health practices and individual well-being.</p> <ul style="list-style-type: none"> <li>• immunizations</li> <li>• health examinations</li> </ul> <p>B. Explain the relationship between health-related information and consumer choices.</p> <ul style="list-style-type: none"> <li>• dietary guidelines/food selection</li> <li>• sun exposure guidelines/sunscreen selection</li> </ul> <p>C. Explain the media's effect on health and safety issues.</p> <p>D. Describe and apply the steps of a decision making process to health and safety issues.</p>	<p>A. Identify and describe health care products and services that impact adolescent health practices.</p> <p>B. Analyze the relationship between health-related information and adolescent consumer choices.</p> <ul style="list-style-type: none"> <li>• tobacco products</li> <li>• weight control products</li> </ul> <p>C. Analyze media health and safety messages and describe their impact on personal health and safety.</p> <p>D. Analyze and apply a decision making process to adolescent health and safety issues.</p>	<p>A. Evaluate health care products and services that impact adult health practices.</p> <p>B. Assess factors that impact adult health consumer choices.</p> <ul style="list-style-type: none"> <li>• access to health information</li> <li>• access to health care</li> <li>• cost</li> <li>• safety</li> </ul> <p>C. Compare and contrast the positive and negative effects of the media on adult personal health and safety.</p> <p>D. Examine and apply a decision making process to the development of short and long-term health goals.</p>

<b>10.2. Healthful Living</b>			
<b>10.2.3. GRADE 3</b>	<b>10.2.6. GRADE 6</b>	<b>10.2.9. GRADE 9</b>	<b>10.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
E. Identify environmental factors that affect health. <ul style="list-style-type: none"> <li>• pollution (e.g., air, water, noise, soil)</li> <li>• waste disposal</li> <li>• temperature extremes</li> <li>• insects/animals</li> </ul>	E. Analyze environmental factors that impact health. <ul style="list-style-type: none"> <li>• indoor air quality (e.g., second-hand smoke, allergens)</li> <li>• chemicals, metals, gases (e.g., lead, radon, carbon monoxide)</li> <li>• radiation</li> <li>• natural disasters</li> </ul>	E. Explain the interrelationship between the environment and personal health. <ul style="list-style-type: none"> <li>• ozone layer/skin cancer</li> <li>• availability of health care/individual health</li> <li>• air pollution/respiratory disease</li> <li>• breeding environments/lyme disease/West Nile virus</li> </ul>	E. Analyze the interrelationship between environmental factors and community health. <ul style="list-style-type: none"> <li>• public health policies and laws/health promotion and disease prevention</li> <li>• individual choices/maintenance of environment</li> <li>• recreational opportunities/health status</li> </ul>
<b>10.3. Safety and Injury Prevention</b>			
<b>10.3.3. GRADE 3</b>	<b>10.3.6 GRADE 6</b>	<b>10.3.9. GRADE 9</b>	<b>10.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
A. Recognize safe/unsafe practices in the home, school and community. <ul style="list-style-type: none"> <li>• general (e.g., fire, electrical, animals)</li> <li>• modes of transportation (e.g., pedestrian, bicycle, vehicular)</li> <li>• outdoor (e.g., play, weather, water)</li> <li>• safe around people (e.g., safe/unsafe touch, abuse, stranger, bully)</li> </ul> B. Recognize emergency situations and explain appropriate responses. <ul style="list-style-type: none"> <li>• importance of remaining calm</li> <li>• how to call for help</li> <li>• simple assistance procedures</li> <li>• how to protect self</li> </ul> C. Recognize conflict situations and identify strategies to avoid or resolve. <ul style="list-style-type: none"> <li>• walk away</li> <li>• I-statements</li> <li>• refusal skills</li> <li>• adult intervention</li> </ul> D. Identify and use safe practices in physical activity settings (e.g., proper equipment, knowledge of rules, sun safety, guidelines of safe play, warm-up, cool-down).	A. Explain and apply safe practices in the home, school and community. <ul style="list-style-type: none"> <li>• emergencies (e.g., fire, natural disasters)</li> <li>• personal safety (e.g., home alone, latch key, harassment)</li> <li>• communication (e.g., telephone, Internet)</li> <li>• violence prevention (e.g., gangs, weapons)</li> </ul> B. Know and apply appropriate emergency responses. <ul style="list-style-type: none"> <li>• basic first aid</li> <li>• Heimlich maneuver</li> <li>• universal precautions</li> </ul> C. Describe strategies to avoid or manage conflict and violence. <ul style="list-style-type: none"> <li>• anger management</li> <li>• peer mediation</li> <li>• reflective listening</li> <li>• negotiation</li> </ul> D. Analyze the role of individual responsibility for safety during physical activity.	A. Analyze the role of individual responsibility for safe practices and injury prevention in the home, school and community. <ul style="list-style-type: none"> <li>• modes of transportation (e.g., pedestrian, bicycle, vehicular, passenger, farm vehicle, all-terrain vehicle)</li> <li>• violence prevention in school</li> <li>• self-protection in the home</li> <li>• self-protection in public places</li> </ul> B. Describe and apply strategies for emergency and long-term management of injuries. <ul style="list-style-type: none"> <li>• rescue breathing</li> <li>• water rescue</li> <li>• self-care</li> <li>• sport injuries</li> </ul> C. Analyze and apply strategies to avoid or manage conflict and violence during adolescence. <ul style="list-style-type: none"> <li>• effective negotiation</li> <li>• assertive behavior</li> </ul> D. Analyze the role of individual responsibility for safety during organized group activities.	A. Assess the personal and legal consequences of unsafe practices in the home, school or community. <ul style="list-style-type: none"> <li>• loss of personal freedom</li> <li>• personal injury</li> <li>• loss of income</li> <li>• impact on others</li> <li>• loss of motor vehicle operator's license</li> </ul> B. Analyze and apply strategies for the management of injuries. <ul style="list-style-type: none"> <li>• CPR</li> <li>• advanced first aid</li> </ul> C. Analyze the impact of violence on the victim and surrounding community. D. Evaluate the benefits, risks and safety factors associated with self-selected life-long physical activities.

<b>10.4. Physical Activity</b>			
<b>10.4.3. GRADE 3</b>	<b>10.4.6. GRADE 6</b>	<b>10.4.9. GRADE 9</b>	<b>10.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
<p>A. Identify and engage in physical activities that promote physical fitness and health.</p> <p>B. Know the positive and negative effects of regular participation in moderate to vigorous physical activities.</p> <p>C. Know and recognize changes in body responses during moderate to vigorous physical activity.</p> <ul style="list-style-type: none"> <li>• heart rate</li> <li>• breathing rate</li> </ul> <p>D. Identify likes and dislikes related to participation in physical activities.</p> <p>E. Identify reasons why regular participation in physical activities improves motor skills.</p>	<p>A. Identify and engage in moderate to vigorous physical activities that contribute to physical fitness and health.</p> <p>B. Explain the effects of regular participation in moderate to vigorous physical activities on the body systems.</p> <p>C. Identify and apply ways to monitor and assess the body's response to moderate to vigorous physical activity.</p> <ul style="list-style-type: none"> <li>• heart rate monitoring</li> <li>• checking blood pressure</li> <li>• fitness assessment</li> </ul> <p>D. Describe factors that affect childhood physical activity preferences.</p> <ul style="list-style-type: none"> <li>• enjoyment</li> <li>• personal interest</li> <li>• social experience</li> <li>• opportunities to learn new activities</li> <li>• parental preference</li> <li>• environment</li> </ul> <p>E. Identify factors that have an impact on the relationship between regular participation in physical activity and the degree of motor skill improvement.</p> <ul style="list-style-type: none"> <li>• success-oriented activities</li> <li>• school-community resources</li> <li>• variety of activities</li> <li>• time on task</li> </ul>	<p>A. Analyze and engage in physical activities that are developmentally/individually appropriate and support achievement of personal fitness and activity goals.</p> <p>B. Analyze the effects of regular participation in moderate to vigorous physical activities in relation to adolescent health improvement.</p> <ul style="list-style-type: none"> <li>• stress management</li> <li>• disease prevention</li> <li>• weight management</li> </ul> <p>C. Analyze factors that affect the responses of body systems during moderate to vigorous physical activities.</p> <ul style="list-style-type: none"> <li>• exercise (e.g., climate, altitude, location, temperature)</li> <li>• healthy fitness zone</li> <li>• individual fitness status (e.g., cardiorespiratory fitness, muscular endurance, muscular strength, flexibility)</li> <li>• drug/substance use/abuse</li> </ul> <p>D. Analyze factors that affect physical activity preferences of adolescents.</p> <ul style="list-style-type: none"> <li>• skill competence</li> <li>• social benefits</li> <li>• previous experience</li> <li>• activity confidence</li> </ul> <p>E. Analyze factors that impact on the relationship between regular participation in physical activity and motor skill improvement.</p> <ul style="list-style-type: none"> <li>• personal choice</li> <li>• developmental differences</li> <li>• amount of physical activity</li> <li>• authentic practice</li> </ul>	<p>A. Evaluate and engage in an individualized physical activity plan that supports achievement of personal fitness and activity goals and promotes life-long participation.</p> <p>B. Analyze the effects of regular participation in a self-selected program of moderate to vigorous physical activities.</p> <ul style="list-style-type: none"> <li>• social</li> <li>• physiological</li> <li>• psychological</li> </ul> <p>C. Evaluate how changes in adult health status may affect the responses of the body systems during moderate to vigorous physical activity.</p> <ul style="list-style-type: none"> <li>• aging</li> <li>• injury</li> <li>• disease</li> </ul> <p>D. Evaluate factors that affect physical activity and exercise preferences of adults.</p> <ul style="list-style-type: none"> <li>• personal challenge</li> <li>• physical benefits</li> <li>• finances</li> <li>• motivation</li> <li>• access to activity</li> <li>• self-improvement</li> </ul> <p>E. Analyze the interrelationships among regular participation in physical activity, motor skill improvement and the selection and engagement in lifetime physical activities.</p>



<b>10.4. Physical Activity</b>			
<b>10.4.3. GRADE 3</b>	<b>10.4.6. GRADE 6</b>	<b>10.4.9. GRADE 9</b>	<b>10.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
F. Recognize positive and negative interactions of small group activities. <ul style="list-style-type: none"> <li>• roles (e.g., leader, follower)</li> <li>• cooperation/sharing</li> <li>• on task participation</li> </ul>	F. Identify and describe positive and negative interactions of group members in physical activities. <ul style="list-style-type: none"> <li>• leading</li> <li>• following</li> <li>• teamwork</li> <li>• etiquette</li> <li>• adherence to rules</li> </ul>	F. Analyze the effects of positive and negative interactions of adolescent group members in physical activities. <ul style="list-style-type: none"> <li>• group dynamics</li> <li>• social pressure</li> </ul>	F. Assess and use strategies for enhancing adult group interaction in physical activities. <ul style="list-style-type: none"> <li>• shared responsibility</li> <li>• open communication</li> <li>• goal setting</li> </ul>

<b>10.5. Concepts, Principles and Strategies of Movement</b>			
<b>10.5.3. GRADE 3</b>	<b>10.5.6. GRADE 6</b>	<b>10.5.9. GRADE 9</b>	<b>10.5.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i></b>			
A. Recognize and use basic movement skills and concepts. <ul style="list-style-type: none"> <li>• locomotor movements (e.g., run, leap, hop)</li> <li>• non-locomotor movements (e.g., bend, stretch, twist)</li> <li>• manipulative movements (e.g., throw, catch, kick)</li> <li>• relationships (e.g., over, under, beside)</li> <li>• combination movements (e.g., locomotor, non-locomotor, manipulative)</li> <li>• space awareness (e.g., self-space, levels, pathways, directions)</li> <li>• effort (e.g., speed, force)</li> </ul>	A. Explain and apply the basic movement skills and concepts to create and perform movement sequences and advanced skills.	A. Describe and apply the components of skill-related fitness to movement performance. <ul style="list-style-type: none"> <li>• agility</li> <li>• balance</li> <li>• coordination</li> <li>• power</li> <li>• reaction time</li> <li>• speed</li> </ul>	A. Apply knowledge of movement skills, skill-related fitness and movement concepts to identify and evaluate physical activities that promote personal lifelong participation.
B. Recognize and describe the concepts of motor skill development using appropriate vocabulary. <ul style="list-style-type: none"> <li>• form</li> <li>• developmental differences</li> <li>• critical elements</li> <li>• feedback</li> </ul>	B. Identify and apply the concepts of motor skill development to a variety of basic skills. <ul style="list-style-type: none"> <li>• transfer between skills</li> <li>• selecting relevant cues</li> <li>• types of feedback</li> <li>• movement efficiency</li> <li>• product (outcome/result)</li> </ul>	B. Describe and apply concepts of motor skill development that impact the quality of increasingly complex movement. <ul style="list-style-type: none"> <li>• response selection</li> <li>• stages of learning a motor skill i.e. verbal cognitive, motor, automatic</li> <li>• types of skill i.e. discrete, serial, continuous</li> </ul>	B. Incorporate and synthesize knowledge of motor skill development concepts to improve the quality of motor skills. <ul style="list-style-type: none"> <li>• open and closed skills</li> <li>• short-term and long-term memory</li> <li>• aspects of good performance</li> </ul>
C. Know the function of practice.	C. Describe the relationship between practice and skill development.	C. Identify and apply practice strategies for skill improvement.	C. Evaluate the impact of practice strategies on skill development and improvement.

10.5. Concepts, Principles and Strategies of Movement			
10.5.3. GRADE 3	10.5.6. GRADE 6	10.5.9. GRADE 9	10.5.12. GRADE 12
<i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i>			
<p>D. Identify and use principles of exercise to improve movement and fitness activities.</p> <ul style="list-style-type: none"> <li>• frequency/how often to exercise</li> <li>• intensity/how hard to exercise</li> <li>• time/how long to exercise</li> <li>• type/what kind of exercise</li> </ul> <p>E. Know and describe scientific principles that affect movement and skills using appropriate vocabulary.</p> <ul style="list-style-type: none"> <li>• gravity</li> <li>• force production/absorption</li> <li>• balance</li> <li>• rotation</li> </ul> <p>F. Recognize and describe game strategies using appropriate vocabulary.</p> <ul style="list-style-type: none"> <li>• faking/dodging</li> <li>• passing/receiving</li> <li>• moving to be open</li> <li>• defending space</li> <li>• following rules of play</li> </ul>	<p>D. Describe and apply the principles of exercise to the components of health-related and skill-related fitness.</p> <ul style="list-style-type: none"> <li>• cardiorespiratory endurance</li> <li>• muscular strength</li> <li>• muscular endurance</li> <li>• flexibility</li> <li>• body composition</li> </ul> <p>E. Identify and use scientific principles that affect basic movement and skills using appropriate vocabulary.</p> <ul style="list-style-type: none"> <li>• Newton's Laws of Motion</li> <li>• application of force</li> <li>• static/dynamic balance</li> <li>• levers</li> <li>• flight</li> </ul> <p>F. Identify and apply game strategies to basic games and physical activities.</p> <ul style="list-style-type: none"> <li>• give and go</li> <li>• one on one</li> <li>• peer communication</li> </ul>	<p>D. Identify and describe the principles of training using appropriate vocabulary.</p> <ul style="list-style-type: none"> <li>• specificity</li> <li>• overload</li> <li>• progression</li> <li>• aerobic/anaerobic</li> <li>• circuit/interval</li> <li>• repetition/set</li> </ul> <p>E. Analyze and apply scientific and biomechanical principles to complex movements.</p> <ul style="list-style-type: none"> <li>• centripetal/centrifugal force</li> <li>• linear motion</li> <li>• rotary motion</li> <li>• friction/resistance</li> <li>• equilibrium</li> <li>• number of moving segments</li> </ul> <p>F. Describe and apply game strategies to complex games and physical activities.</p> <ul style="list-style-type: none"> <li>• offensive strategies</li> <li>• defensive strategies</li> <li>• time management</li> </ul>	<p>D. Incorporate and synthesize knowledge of exercise principles, training principles and health and skill-related fitness components to create a fitness program for personal use.</p> <p>E. Evaluate movement forms for appropriate application of scientific and biomechanical principles.</p> <ul style="list-style-type: none"> <li>• efficiency of movement</li> <li>• mechanical advantage</li> <li>• kinetic energy</li> <li>• potential energy</li> <li>• inertia</li> <li>• safety</li> </ul> <p>F. Analyze the application of game strategies for different categories of physical activities.</p> <ul style="list-style-type: none"> <li>• individual</li> <li>• team</li> <li>• lifetime</li> <li>• outdoor</li> </ul>

**XXX. GLOSSARY**

<b>Abstinence:</b>	Choosing not to do something or completely giving something up in order to gain something.
<b>Acute illness:</b>	A health condition of sudden onset, sharp rises and short course.
<b>Adolescence:</b>	The period of life beginning with puberty and ending with completed growth.
<b>Aerobic:</b>	Physical activity or exercise done at a steady pace for an extended period of time so that the heart can supply as much oxygen as the body needs (e.g., walking, running, swimming, cycling).
<b>Agility:</b>	A component of physical fitness that relates to the ability to rapidly change the position of the entire body in space with speed and accuracy.
<b>AIDS</b>	Acquired Immune Deficiency Syndrome: a condition that results when infection with HIV causes a breakdown of the body's ability to fight other infections.
<b>Allergen:</b>	A substance that stimulates the production of antibodies and subsequently results in allergic reactions (e.g., mold spores, cat/dog dander, dust).
<b>Anaerobic:</b>	Physical activity or exercise done in short, fast bursts so that the heart cannot supply oxygen as fast as the body needs (e.g., sprinting, weightlifting, football).
<b>Assertive:</b>	The expression of thoughts and feelings without experiencing anxiety or threatening others.
<b>Automatic Stage of Learning:</b>	Movement responses flow and the individual can focus on what to do without thinking about it.
<b>Balance:</b>	A skill-related component of physical fitness that relates to the maintenance of equilibrium while stationary or moving.
<b>Biomechanical principles:</b>	The science concerned with the action of forces, internal or external, on the living body.

<b>Body composition:</b>	A health-related component of physical fitness that relates to the percentage of fat tissue and lean tissue in the body.
<b>Body systems:</b>	Anatomically or functionally related parts of the body (e.g., skeletal, nervous, immune, circulatory systems).
<b>Caloric content:</b>	The amount of energy supplied by food. The more calories in the food, the more fattening.
<b>Cardiorespiratory fitness:</b>	A health related component of physical fitness relating to the ability of the circulatory and respiratory systems to supply oxygen during sustained physical activity.
<b>Centrifugal:</b>	The force that seems to pull an object away from the center as it moves in a circle.
<b>Centripetal:</b>	The force that is required to keep an object moving around a circular path.
<b>Chronic illness:</b>	A health condition of long duration or frequent recurrence.
<b>Circuit training:</b>	Exercise program, similar to an obstacle course, in which the person goes from one place to another doing a different exercise at each place.
<b>Closed:</b>	Skills that are performed in an environment that does not change or that changes very little, such as archery or the foul shot in basketball.
<b>Communicable:</b>	Illness caused by pathogens that enter the body through direct or indirect contact and can be transmitted from one host to another.
<b>Community helpers:</b>	Any group or individual who plays a role in health promotion or disease prevention such as doctors, nurses, dentists, teachers, parents, firemen, policemen, trash collectors, animal control officers.
<b>Continuous:</b>	Two or more repetitions of the same skill such as dribbling in basketball or soccer.
<b>Cool-down:</b>	Brief, mild exercise done after vigorous exercise to help the body safely return to a resting state.
<b>Coordination:</b>	A skill-related component of physical fitness that relates to the ability to use the senses together with body parts in performing motor tasks smoothly and accurately.
<b>CPR:</b>	A first aid technique, which involves rescue breathing and chest (heart) compressions, that is used to revive a person whose heart has stopped beating.
<b>Critical elements:</b>	The important parts of a skill.
<b>Decision-making process:</b>	An organized approach to making choices.
<b>Developmental differences:</b>	Learners are at different levels in their motor, cognitive, emotional, social and physical development. The learners' developmental status will affect their ability to learn or improve.
<b>Developmentally appropriate:</b>	Motor skill development and change that occur in an orderly, sequential fashion and are age and experience related.
<b>Directions:</b>	Forward, backward, left, right, up, down.
<b>Discrete:</b>	Single skill performed in isolation from other motor skills such as the soccer penalty kick and golf stroke.
<b>Dynamic balance:</b>	Equilibrium used when in motion, starting and stopping.
<b>Eating disorders:</b>	Food-related dysfunction in which a person changes eating habits in a way that is harmful to the mind or body (e.g., bulimia, anorexia nervosa).
<b>Efficiency of movement:</b>	The state or quality of competence in performance with minimum expenditure of time and effort.
<b>Equilibrium:</b>	State in which there is no change in the motion of a body.
<b>Feedback:</b>	Information given to the learner about how to improve or correct a movement.
<b>Flexibility:</b>	A health-related component of physical fitness that relates to the range of motion available at a joint.
<b>Food guide pyramid:</b>	A visual tool used to help people plan healthy diets according to the Dietary Guidelines for America.
<b>Force:</b>	Any external agent that causes a change in the motion of a body.
<b>Form:</b>	Manner or style of performing a movement according to recognized standards of technique.
<b>Good performance:</b>	The ability to correctly select what to do and the ability to execute the selection appropriately.
<b>Health:</b>	A state of complete physical, mental and social well-being; not merely the absence of disease and infirmity.

<b>Health education:</b>	Planned, sequential K—12 program of curricula and instruction that helps students develop knowledge, attitudes and skills related to the physical, mental, emotional and social dimensions of health.
<b>Health-related fitness:</b>	Components of physical fitness that have a relationship with good health. Components are cardiorespiratory endurance, muscular strength and endurance, flexibility and body composition.
<b>Heimlich maneuver:</b>	A first aid technique that is used to relieve complete airway obstruction.
<b>HIV:</b>	Human immunodeficiency virus that infects cells of the immune system and other tissues and causes acquired immunodeficiency syndrome (AIDS).
<b>I-statement:</b>	A statement describing a specific behavior or event and the effect that behavior or event has on a person and the feelings that result.
<b>Inertia:</b>	A body at rest will remain at rest and a body in motion will remain in motion unless acted upon by a force.
<b>Inhalant:</b>	Chemicals that produce vapors that act on the central nervous system and alter a user's moods, perceptions, feelings, personality and behavior such as airplane glue and aerosols.
<b>Integumentary system:</b>	Body system composed of the skin, hair, nails and glands.
<b>Intensity:</b>	How hard a person should exercise to improve fitness.
<b>Interval training:</b>	An anaerobic exercise program that consists of runs of short distance followed by rest.
<b>Kinetic:</b>	Energy that an object possesses because it is moving, such as a pitched baseball or a person running.
<b>Levels:</b>	Positions of the body (e.g., high, medium, low).
<b>Linear motion:</b>	Movement which occurs in a straight path.
<b>Locomotor movement:</b>	Movements producing physical displacement of the body, usually identified by weight transference via the feet. Basic locomotor steps are the walk, run, hop and jump as well as the irregular rhythmic combinations of the skip, slide and gallop.
<b>Long-term memory:</b>	Ability to recall information that was learned days or even years ago.
<b>Manipulative movements:</b>	Control of objects with body parts and implements. Action causes an object to move from one place to another.
<b>Mechanical advantage:</b>	The ratio between the force put into a machine and the force that comes out of the same machine.
<b>Media sources:</b>	Various forms of mass communication such as television, radio, magazines, newspapers and Internet.
<b>Moderate physical activity:</b>	Sustained, repetitive, large muscle movements (e.g., walking, running, cycling) done at less than 60% of maximum heart rate for age. Maximum heart rate is 220 beats per minute minus participant's age.
<b>Motor skills:</b>	Non-fitness abilities that improve with practice and relate to one's ability to perform specific sports and other motor tasks (e.g., tennis serve, shooting a basketball).
<b>Motor stage of learning:</b>	Individual working to perfect the motor skill and makes conscious adjustments to the environment.
<b>Movement skills:</b>	Proficiency in performing nonlocomotor, locomotor and manipulative movements that are the foundation for participation in physical activities.
<b>Muscular endurance:</b>	A health-related component of physical fitness that relates to the ability of a muscle to continue to perform without fatigue.
<b>Muscular strength:</b>	A health-related component of physical fitness that relates to the ability of the muscle to exert force.
<b>Newton's Laws of Motion:</b>	Three laws by Sir Isaac Newton that explain the relations between force and the motions produced by them: The Law of Inertia, Force and Acceleration, Reacting Forces.
<b>Noncommunicable:</b>	Illness that is not caused by a pathogen that is not transmitted from one host to another.
<b>Nonlocomotor movement:</b>	Movements that do not produce physical displacement of the body.
<b>Nutrient:</b>	A basic component of food that nourishes the body.
<b>Open:</b>	Skill performed in an environment that varies or is unpredictable such as the tennis forehand or the soccer pass.
<b>Overload:</b>	A principle of exercise that states that the only way to improve fitness is to exercise more than the normal.

<b>Pathways:</b>	Patterns of travel while performing locomotor movements (e.g., straight, curved, zigzag).
<b>Physical activity:</b>	Bodily movement that is produced by the contraction of skeletal muscle and which substantially increases energy expenditure.
<b>Physical education:</b>	Planned, sequential, movement-based program of curricula and instruction that helps students develop knowledge, attitudes, motor skills, self-management skills and confidence needed to adapt and maintain a physically active life.
<b>Physical fitness:</b>	A set of attributes that people have or achieve and that relate to their ability to perform physical activity. Generally accepted to consist of health-related fitness and skill-related fitness.
<b>Potential:</b>	Energy stored in a body because of its position such as the crouch position prior to a jump.
<b>Power:</b>	A skill-related component of physical fitness that relates to the rate at which one can perform work.
<b>Principles of exercise:</b>	Guidelines to follow to obtain the maximum benefits from physical activity and exercise.
<b>Principles of training:</b>	Guidelines to follow to obtain the maximum benefits from an exercise plan.
<b>Progression:</b>	A principle of exercise that states that a person should start slowly and increase exercise gradually.
<b>Reaction time:</b>	A skill-related component of physical fitness that relates to the time elapsed between stimulation and the beginning of the response to it.
<b>Reflective listening:</b>	An active listening skill in which the individual lets others know he/she has heard and understands what has been said.
<b>Refusal skills:</b>	Systematic ways to handle situations in which a person wants to say no to an action and/or leave an environment that threatens health or safety, breaks laws, results in lack of respect for self and others or disobeys guidelines set by responsible adults.
<b>Repetitions:</b>	Number of times an exercise is repeated.
<b>Rescue breathing:</b>	Technique used to supply air to an individual who is not breathing.
<b>Rotary motion:</b>	Force that produces movement that occurs around an axis or center point such as a somersault.
<b>Safety education:</b>	Planned, sequential program of curricula and instruction that helps students develop the knowledge, attitudes and confidence needed to protect them from injury.
<b>Self-space:</b>	All the space that the body or its parts can reach without traveling from a starting location.
<b>Serial:</b>	Two or more different skills performed with each other such as fielding a ball and throwing it or dribbling a basketball and shooting it.
<b>Set:</b>	A group of several repetitions.
<b>Short-term memory:</b>	Ability to recall recently learned information, such as within the past few seconds or minutes.
<b>Skill-related fitness:</b>	Consists of components of physical fitness that have a relationship with enhanced performance in sports and motor skills. The components are agility, balance, coordination, power, reaction time and speed.
<b>Specificity:</b>	A principle of exercise that states that specific kinds of exercises must be done to develop specific aspects of the body and specific aspects of fitness.
<b>Speed:</b>	A skill-related component of physical fitness that relates to the ability to perform a movement or cover a distance in a short period of time.
<b>Static balance:</b>	Maintaining equilibrium while holding a pose or remaining motionless.
<b>STD:</b>	Sexually transmitted disease.
<b>Universal precautions:</b>	An approach to infection control. All human blood and body fluids are treated as if known to be infectious.
<b>Warm-up:</b>	Brief, mild exercise that is done to get ready for more vigorous exercise.
<b>Verbal cognitive stage of learning:</b>	The individual is attempting to move from verbal instruction to trying to figure out how to actually do the skill. The first attempts at the skill are generally mechanical and success is inconsistent. The individual thinks through each step of the movement.
<b>Vigorous physical activity:</b>	Sustained, repetitive, large muscle movements (e.g., running, swimming, soccer) done at 60% or more of maximum heart rate for age. Maximum heart rate is 220 beats per minute minus the participant's age. Activity makes person sweat and breathe hard.

**Academic Standards for Family and Consumer Sciences**

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**XXXII. INTRODUCTION**

This document includes Academic Standards for Family and Consumer Sciences at four grade levels (third, sixth, ninth and twelfth) with the emphasis on what students will know and be able to do in the following areas:

- 11.1. Financial and Resource Management
- 11.2. Balancing Family, Work, and Community Responsibility

- 11.3. Food Science and Nutrition
- 11.4. Child Development.

The focus of the Academic Standards for Family and Consumer Sciences education is the individual, the family and the community. The economic, social and political well-being of our state depends on the well-being of Pennsylvania’s families. The family is responsible for nurturing its members. Family experiences, to a great extent, determine who a person is and what a person becomes. Family and Consumer Sciences, working with Pennsylvania’s families, supports the development of the knowledge and skills that students need as family members both now and in the future. The 21st Century requires students to develop the ability to transform information into knowledge by using standards to certify that this information is meaningful, categorizing it to a purpose and then transforming their knowledge into wisdom by applying it to real life.

Family and Consumer Sciences is a discipline composed of strong subject matter concentrations with a commitment to integration. Concepts form a framework for learning based on these tenets:

- Families are the fundamental unit of society.
- A life-span approach to individual and family development contributes to creating lifelong learners.
- Meeting individual and family needs inside and outside the home are shared responsibilities.
- Individual, family and community well-being is strengthened through an awareness of diversity.
- The use of diverse modes of inquiry strengthens intellectual development.
- The content learning in Family and Consumer Sciences classes’ enhances the mastery of academic standards.
- Standards-based learning within Family and Consumer Sciences’ classrooms can best be demonstrated through performance based assessment.

Learners in Family and Consumer Sciences nurture themselves and others, taking increased responsibility for improving their quality of living.

The Academic Standards for Family and Consumer Sciences are written to empower individuals and families to manage the challenges of living and working in a diverse, global society. These Academic Standards address the functioning of families and their interrelationships with work, community and society. The focus is on the recurring, practical problems of individuals and families. An integrative approach is used to help individuals and families identify, create and evaluate goals and alternative solutions to significant problems of everyday life. Students are taught to take responsibility for the consequences of their actions. Comprehensive classroom experiences allow students to develop the knowledge and skills needed in making choices to meet their personal, family and work responsibilities.

A glossary is included to assist the reader in understanding terminology contained in the standards.

<b>11.1. Financial and Resource Management</b>			
<b>11.1.3. GRADE 3</b>	<b>11.1.6. GRADE 6</b>	<b>11.1.9. GRADE 9</b>	<b>11.1.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>A. Identify money denominations, services and material resources available as trade-offs within the home, school and community.</p> <p>B. Define the components of a spending plan (e.g., income, expenses, savings).</p> <p>C. Explain the need for shelter for the purpose of safety, warmth and comfort.</p> <p>D. Explain consumer rights and responsibilities.</p> <ul style="list-style-type: none"> <li>• To be safe</li> <li>• To be informed</li> <li>• To be heard</li> <li>• To choose</li> <li>• To redress</li> </ul> <p>E. Explain the relationship between work and income.</p> <p>F. Describe criteria needed to identify quality in consumer goods and services (e.g., food, clothing, furniture, home technology, health care, transportation, services).</p> <p>G. Identify the services that communities provide for individuals and families.</p>	<p>A. Justify the decision to use or not use resources based on scarcity.</p> <p>B. Know the relationship of the components of a simple spending plan and how that relationship allows for managing income, expenses and savings.</p> <p>C. Describe the adaptability to meet basic human needs of the different types of housing available (e.g., single home, apartment, mobile home, shelter, recreational vehicle, public housing).</p> <p>D. Analyze information in care instructions, safety precautions and the use of consumable goods as a demonstration of understanding of consumer rights and responsibilities.</p> <p>E. Explain the principles of child labor laws and the opportunity cost of working by evaluating the advantages and disadvantages of holding a job while a teenager.</p> <p>F. Explain practices to maintain and/or repair consumer goods and services.</p> <p>G. Identify the public and nonpublic services that are available to serve families within the community.</p>	<p>A. Analyze current conservation practices and their effect on future renewable and non-renewable resources.</p> <ul style="list-style-type: none"> <li>• Refuse</li> <li>• Reduce</li> <li>• Reuse</li> <li>• Recycle</li> </ul> <p>B. Explain the responsibilities associated with managing personal finances (e.g., savings, checking, credit, noncash systems, investments, insurance).</p> <p>C. Delineate and assess the factors affecting the availability of housing (e.g., supply and demand, market factors, geographical location, community regulations).</p> <p>D. Explain how consumer rights and responsibilities are protected (e.g., government agencies, consumer protection agencies, consumer action groups).</p> <p>E. Compare the influences of income and fringe benefits to make decisions about work.</p> <p>F. Evaluate different strategies to obtain consumer goods and services.</p> <p>G. Analyze how public, nonpublic and for-profit service providers serve the family.</p>	<p>A. Evaluate the impact of family resource management on the global community.</p> <p>B. Analyze the management of financial resources across the lifespan.</p> <p>C. Analyze the relationship among factors affecting consumer housing decisions (e.g., human needs, financial resources, location, legal agreements, maintenance responsibilities).</p> <p>D. Evaluate the role of consumer rights and responsibilities in the resolution of a consumer problem through the practical reasoning process.</p> <p>E. Compare and contrast factors affecting annual gross and taxable income and reporting requirements (e.g., W-2 form, Income tax form).</p> <p>F. Compare and contrast the selection of goods and services by applying effective consumer strategies.</p> <p>G. Compare the availability, costs and benefits of accessing public, nonpublic and for-profit services to assist the family.</p>

<b>11.2. Balancing Family, Work and Community Responsibility</b>			
<b>11.2.3. GRADE 3</b>	<b>11.2.6. GRADE 6</b>	<b>11.2.9. GRADE 9</b>	<b>11.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>A. Examine consequences of family, work or career decisions.</p> <p>B. Identify the importance of routines and schedules while differentiating between short and long term goals.</p> <p>C. Indicate the benefits and costs of working as an individual or as a team member and of being a leader or follower.</p> <p>D. Explain the importance of organizing space for efficiency and a sense of comfort (e.g., desk space, classroom space).</p> <p>E. Analyze the effectiveness of technology used for school and home in accomplishing the work of the family (e.g., security, entertainment, communication, education).</p> <p>F. Explain daily activities that fulfill family functions in meeting responsibilities (e.g., economic, emotional support, childcare and guidance, housekeeping, maintaining kinship, providing recreation).</p> <p>G. Identify the life stages by identifying their developmental task (e.g., infant, pre-schooler, school age, teen-age, adult, senior citizen).</p>	<p>A. Contrast the solutions reached through the use of a simple decision making process that includes analyzing consequences of alternative solutions against snap decision making methods.</p> <p>B. Deduce the importance of time management skills (e.g. home, school, recreational activities).</p> <p>C. Classify the components of effective teamwork and leadership.</p> <p>D. Identify the concepts and principles used in planning space for activities.</p> <p>E. Describe the role of technology within a community in maintaining a safe and healthy living environment (e.g., safety, hospitals, waste treatment, water quality, schools).</p> <p>F. Compare and contrast how different cultures meet family responsibilities within differing configurations (e.g., new parent, just married, single adult living alone, "empty nest," retired, senior citizen).</p> <p>G. Identify the characteristics of the stages of the family life cycle (e.g., beginning, expanding, developing, launching, middle years, retirement, variations).</p>	<p>A. Solve dilemmas using a practical reasoning approach</p> <ul style="list-style-type: none"> <li>• Identify situation</li> <li>• Identify reliable information</li> <li>• List choices and examine the consequences of each</li> <li>• Develop a plan of action</li> <li>• Draw conclusions</li> <li>• Reflect on decisions</li> </ul> <p>B. Know FCCLA action planning procedure and how to apply it to family, work and community decisions.</p> <p>C. Assess the effectiveness of the use of teamwork and leadership skills in accomplishing the work of the family.</p> <p>D. Analyze the space requirements for a specified activity to meet a given need (e.g., family room, home office, kitchen).</p> <p>E. Evaluate the impact of technology and justify the use or nonuse of it (e.g., safety, cost/budget, appearance, efficiency).</p> <p>F. Contrast past and present family functions and predict their probable impact on the future of the family.</p> <p>G. Explain the influences of family life cycle stages on the needs of families and communities (e.g., a large number of young families needing day care, fixed income senior citizens, school age children).</p>	<p>A. Justify solutions developed by using practical reasoning skills.</p> <p>B. Evaluate the effectiveness of action plans that integrate personal, work, family and community responsibilities.</p> <p>C. Analyze teamwork and leadership skills and their application in various family and work situations.</p> <p>D. Based on efficiency, aesthetics and psychology, evaluate space plans (e.g., home, office, work areas) for their ability to meet a variety of needs including those of individuals with special needs.</p> <p>E. Assess the availability of emerging technology that is designed to do the work of the family and evaluate the impact of its use on individuals, families and communities.</p> <p>F. Assess the relationship of family functions to human developmental stages.</p> <p>G. Hypothesize the impact of present family life-cycle trends on the global community (e.g., over population, increase in an aging population, economic base).</p>



<b>11.2. Balancing Family, Work and Community Responsibility</b>			
<b>11.2.3. GRADE 3</b>	<b>11.2.6. GRADE 6</b>	<b>11.2.9. GRADE 9</b>	<b>11.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
H. Identify how to resolve conflict using interpersonal communications skills. <ul style="list-style-type: none"> <li>• Speaking and listening</li> <li>• I messages</li> <li>• Active listening</li> <li>• Checking for understanding</li> <li>• Following directions</li> <li>• Empathy</li> <li>• Feedback</li> </ul>	H. Describe positive and negative interactions within patterns of interpersonal communications. <ul style="list-style-type: none"> <li>• Placating</li> <li>• Blaming</li> <li>• Distracting</li> <li>• Intellectualizing</li> <li>• Asserting</li> </ul>	H. Justify the significance of interpersonal communication skills in the practical reasoning method of decision making.	H. Evaluate the effectiveness of using interpersonal communication skills to resolve conflict.
<b>11.3. Food Science and Nutrition</b>			
<b>11.3.3. GRADE 3</b>	<b>11.3.6. GRADE 6</b>	<b>11.3.9. GRADE 9</b>	<b>11.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
A. Know the production steps that a food travels from the farm to the consumer.	A. Demonstrate knowledge of techniques used to evaluate food in various forms (e.g., canned, frozen, dried, irradiated).	A. Explain how scientific and technological developments enhance our food supply (e.g., food preservation techniques, packaging, nutrient fortification).	A. Analyze how food engineering and technology trends will influence the food supply.
B. Describe personal hygiene techniques in food handling (e.g., handwashing, sneeze control, signs of food spoilage).	B. Describe safe food handling techniques (e.g., storage, temperature control, food preparation, conditions that create a safe working environment for food production).	B. Identify the cause, effect and prevention of microbial contamination, parasites and toxic chemicals in food.	B. Evaluate the role of Government agencies in safeguarding our food supply (e.g., USDA, FDA, EPA and CDC).
C. Explain the importance of eating a varied diet in maintaining health.	C. Analyze factors that effect food choices.	C. Analyze the impact of food addictions and eating disorders on health.	C. Evaluate sources of food and nutrition information.
D. Classify foods by food group within the food guide pyramid including the serving size and nutrient function within the body.	D. Describe a well-balanced daily menu using the dietary guidelines and the food guide pyramid.	D. Analyze relationship between diet and disease and risk factors (e.g., calcium and osteoporosis; fat, cholesterol and heart disease; folate and birth defects; sodium and hypertension).	D. Critique diet modifications for their ability to improve nutritionally-related health conditions (e.g., diabetes, lactose-intolerance, iron deficiency).
E. Define energy-yielding nutrients and calories.	E. Explain the relationship between calories, nutrient and food input versus energy output; describe digestion.	E. Analyze the energy requirements, nutrient requirements and body composition for individuals at various stages of the life cycle.	E. Analyze the breakdown of foods, absorption of nutrients and their conversion to energy by the body.
F. Identify components of a basic recipe (e.g., volume, weight, fractions, recipe ingredients, recipe directions, safety techniques).	F. Analyze basic food preparation techniques and food-handling procedures.	F. Hypothesize the effectiveness of the use of meal management principles (e.g., time management, budgetary considerations, sensory appeal, balanced nutrition, safety, sanitation).	F. Evaluate the application of nutrition and meal planning principles in the selection, planning, preparation and serving of meals that meet the specific nutritional needs of individuals across their lifespan.

<b>11.3. Food Science and Nutrition</b>			
<b>11.3.3. GRADE 3</b>	<b>11.3.6. GRADE 6</b>	<b>11.3.9. GRADE 9</b>	<b>11.3.12. GRADE 12</b>
<i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i>			
G. Classify foods according to senses (e.g., taste, touch, smell, mouth feel, sight, sound).	G. Describe the physical, biological, and chemical changes that take place in food preparation.	G. Analyze the application of physical and chemical changes that occur in food during preparation and preservation.	G. Analyze the relevance of scientific principles to food processing, preparation and packaging.

<b>11.4. Child Development</b>			
<b>11.4.3. GRADE 3</b>	<b>11.4.6. GRADE 6</b>	<b>11.4.9. GRADE 9</b>	<b>11.4.12. GRADE 12</b>
<i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i>			
A. Identify characteristics in each stage of child development. <ul style="list-style-type: none"> <li>• Infancy/birth to 1 year</li> <li>• Early childhood/1 to 6 years</li> <li>• Middle childhood/6 to 9 years</li> <li>• Late childhood/9—13 years</li> <li>• Adolescence/13—18 years</li> </ul>	A. Compare and contrast child development guided practices according to the stage of child development.	A. Analyze physical, intellectual and social/emotional development in relation to theories of child development.	A. Analyze current research on existing theories in child development and its impact on parenting (e.g., Piaget, Erikson and prior findings versus new brain development research).
B. Identify health and safety needs for children at each stage of child development.	B. Identify ways to keep children healthy and safe at each stage of child development.	B. Evaluate health and safety hazards relating to children at each stage of child development.	B. Analyze current issues in health and safety affecting children at each stage of child development.
C. Identify the characteristics of a learning environment.	C. Identify the role of the caregiver in providing a learning environment (e.g., babysitting, daycare, preschool).	C. Evaluate various environments to determine if they provide the characteristics of a proper learning environment.	C. Analyze practices that optimize child development (e.g., stimulation, safe environment, nurturing caregivers, reading to children).
D. Identify community resources provided for children.	D. Identify child-care provider considerations.	D. Analyze the roles, responsibilities and opportunity for family involvement in schools.	D. Analyze plans and methods to blend work and family responsibilities to meet the needs of children.
E. Explain how the home and community help a person learn to read, write and compute.	E. Identify characteristics of quality literature for children and other literacy enhancing activities.	E. Explain how storytelling, story reading and writing enhance literacy development in children.	E. Identify practices that develop the child's imagination, creativity and reading and writing skills through literature.

**XXXIII. GLOSSARY**

<b>Aesthetics:</b>	Appreciation of and responsive to beauty.
<b>CDC:</b>	Center for Disease Control
<b>Child-care provider considerations:</b>	Criteria to use in evaluating child care facilities. These include well-trained and highly motivated staff, pleasant sanitary surroundings, variety in toys and supplies, ratio of staff to children.
<b>Child development stage:</b>	An age range with similar growth characteristics: infancy, early childhood, middle childhood, late childhood, adolescence.
<b>Consumer responsibilities:</b>	The need to interpret information in care instructions, safety precautions and proper use of consumable goods as a user of goods and services.
<b>Consumer rights:</b>	The guarantee to be safe, the right to be informed, to be heard, to choose consumer education and to redress as a user of goods and services.
<b>Dietary guidelines:</b>	A set of seven recommendations developed by the United States Department of Agriculture and Health and Human Services to help healthy people over age 2 know what to eat to stay healthy.

<b>Developmental tasks:</b>	Changes in the thinking and behavior of individuals over time.
<b>Empathy:</b>	The action of understanding another's thoughts, feelings and behaviors.
<b>EPA:</b>	Environmental Protection Agency
<b>FCCLA Action planning procedure:</b>	The decision making process endorsed by the Family, Career and Community Leaders of America, involving five steps: <ol style="list-style-type: none"> <li>1. Identify concerns—brainstorm and evaluate, narrow choices to workable ideas.</li> <li>2. Set your goals—write what you want to accomplish as an achievable objective.</li> <li>3. Form a plan—who, what, when, where and how.</li> <li>4. Act—carry out the plan.</li> <li>5. Follow up—determine if your goal was met and create an improvement plan.</li> </ol>
<b>FDA:</b>	Food and Drug Administration
<b>Family, Career and Community Leaders Of America:</b>	Vocational student organization sponsored by Family and Consumer Sciences' classrooms.
<b>Food guide pyramid:</b>	A visual tool used to help people plan healthy diets according to the Dietary Guidelines for America.
<b>Guided practices:</b>	Interaction with a child based on age appropriate developmental principles.
<b>I message:</b>	A statement containing three parts: <ol style="list-style-type: none"> <li>1. The situation</li> <li>2. How it makes the speaker feel</li> <li>3. What will happen if it continues.</li> </ol>
<b>Kinship:</b>	Relationships or relatives.
<b>Leadership skills:</b>	The ability to: <ul style="list-style-type: none"> <li>• Use resources</li> <li>• Delegate authority</li> <li>• Communicate effectively</li> <li>• Assess composition of group</li> <li>• Determine and rank goals</li> <li>• Evaluate consequences.</li> </ul>
<b>Microbial contamination:</b>	Most common food contaminants causing foodborne illnesses.
<b>Nutrient:</b>	A basic component of food that nourishes the body.
<b>Opportunity cost:</b>	The tangible and nontangible trade-off necessary to procure a good or service or to take an action.
<b>Practical reasoning:</b>	A decision making process unique because of its emphasis on relationships and involving six steps: <ol style="list-style-type: none"> <li>1. Identify situation to be solved</li> <li>2. Identify reliable information</li> <li>3. List choices and examine consequences</li> <li>4. Develop plan of action</li> <li>5. Draw conclusions</li> <li>6. Reflect on decisions.</li> </ol>
<b>Redress:</b>	To set right or remedy.
<b>Toxic chemical:</b>	Contaminants found in natural, environmental and pesticide residue forms that are poisonous to the body.
<b>Scarcity:</b>	The lack of provisions for the support of life.
<b>Team work skills:</b>	The ability to: <ul style="list-style-type: none"> <li>• Collaborate</li> <li>• Cooperate</li> <li>• Set community goals</li> <li>• Reach consensus.</li> </ul>
<b>Trade-off:</b>	Exchange of goods, services or monies.
<b>USDA:</b>	United States Department of Agriculture

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**[22 PA. CODE CH. 4]****Academic Standards and Assessment for Civics and Government; Economics; Geography and History**

The State Board of Education (Board) amends Chapter 4 (relating to academic standards and assessment) to add academic standards for Civics and Government; Economics; Geography; and History, to read as set forth in Annex A, under the authority of the Public School Code of 1949 (act) (24 P. S. §§ 1-101—27-2702).

Notice of proposed rulemaking was published at 32 Pa.B. 905 (February 16, 2002) with an invitation to submit written comments.

*Purpose*

This final-form rulemaking will establish academic standards for Civics and Government; Economics; Geography; and History. The purpose of these requirements is to specify academic standards to be achieved by students enrolled at various grade levels in the public schools (including public charter schools) of this Commonwealth.

*Comments and Responses*

Public comment was received with regard to the proposed changes to the standards, with many requests for technical edits and clarifications. The Senate Education Committee held hearings on March 26, 2002. While the Senate Education Committee did not submit official comments, the Minority Chairperson of the Senate Education Committee submitted a one page summary of concerns she received regarding the proposed social studies standards, outlining four considerations related to the areas of: 1) the number of standards and instructional feasibility; 2) structure; 3) emphasis and contextual relevance; and 4) teacher certification. The House Education Committee (Committee) held hearings on April 3, 2002. No official Committee comments were submitted. The Chairperson of the Committee forwarded House staff comments to the Board for consideration. A Committee member also transmitted his concerns about the proposed rulemaking, and included a letter he received from a constituent.

Finally, the Independent Regulatory Review Commission (IRRC) provided detailed comments on the regulations to clarify and technically correct the proposed standards and to provide various improvements to the standards.

Comments concerning the proposed standards were most commonly received in the areas of general comments, clarifying the meaning of individual standards, added and deleted words, definitions and examples, misspellings, punctuation and typographical errors, and policy considerations.

*Overall Comments and Policy Considerations*

There were general comments and policy considerations about all four of the proposed standards as a whole. The House staff suggested that the term "descriptor" be removed from all of the proposed standards because it is not a common usage term. This term should remain in the standards since it has become a more widely used term in the education field. This is due to the fact that educators have added terms such as "standard category," "standard statement" and "standard descriptor" to their lexicon to communicate with one another regarding the outline of the standards.

Comments addressed a lack of coherence and vision for the social studies instruction, with suggestions to merge

the four separate disciplines into one coherent set of social studies standards. Aside from the suggestion that there are too many standards, there also was the concern that the content of the four standards is too detailed and cannot be covered in the time allotted for social studies. IRRC and public comment indicated that an alternative to the current structure would be one standard organized around themes that demonstrate the interrelationships among the four separate standards. There also was the comment that educators believe that the standards ought to be based around themes or enduring understandings, including core ideas, conflicts, key questions and key persons. It was suggested that further emphasis is needed on predominant themes such as civil rights and political developments.

A public commentator further indicated that there is a lack of interdisciplinary approach for the proposed standards. Another public commentator also questioned whether the standards would discourage local school board control of curriculum and allocation of resources to best meet the needs of the school's population. A constituent also indicated in a letter to a Committee member, that the standards need to be reviewed to take into account child development, age appropriateness and time constraints.

Overall, the Board believes that Chapter 4 strengthens an interdisciplinary approach. The major focus of the development committees for the standards was to create standards that were both age and development sensitive, while at the same time considering various time constraints on the amount of information to be taught. Furthermore, both the manner in which the new standards are arranged and the intent behind them are to strengthen not only the interdisciplinary approach, but also to encourage a sense of vision and coherence.

Rather than create one set of standards, the four disciplines remained separate in the final-form rulemaking. Districts can identify additional themes and build planned instruction around them. The importance of the standards is the focus on important information that students should know and the ability to demonstrate proficiency. Revising the standards to several themes would lose the focus on important disciplines and the content unique to the standards. Separate standards keep specific content constantly in the foreground, to ensure that it be addressed.

In addition, Chapter 4 provides schools with significant latitude in delivering academic instruction to students. Maintenance of detailed standards in each of the four disciplines maintains a strong focus on academic content while also allowing schools to maximize flexibility in the design and delivery of curriculum. Schools may offer planned instruction through separate courses, separate instructional units within a course or as part of an interdisciplinary program. The maintenance of separate sets of standards will not negatively affect this practice.

In a letter to a Committee member, a constituent raised the issue that the four standards need to be integrated and coordinated, in order to be aligned chronologically or topically. The constituent also suggested that the standards be organized conceptually, rather than by specific content. The standards are organized by concepts within disciplines, to create a broad overview of the subjects to be taught. The only way to maintain the integrity of the four standards, however, is to keep the four standards

separate. Nevertheless, it is anticipated that integration will take place throughout the instructional process.

The constituent also suggested that there needs to be more flexibility as to the level that topics are taught, so that, for example, World History would only be taught once at the high school level. Chapter 4 and the related standards specify civics and government, economics, geography and history at four different grade levels: 1-3, 4-6, 7-9 and 10-12. World History is to be taught at least four times, including once in grades 10-12.

IRRC also suggested that for clarity and consistency, like the history standards, the introductions to the standards for Civics and Government, Economics and Geography include both a concise explanation of the general format of the standards, and the introductions should state that the standards are broken down into categories, statements, bulleted items (descriptors) and examples. Both explanations were included in the introductions for Civics and Government, Economics and Geography.

IRRC requested consistency between the format of the Table of Contents with the Tables of Contents of the existing academic standards for Science and Technology and Environment and Ecology, by listing categories and identifying statements under those categories with corresponding capital letters. The format was included in the final-form regulations for Civics and Government; Economics; Geography; and History. IRRC commented that the standards listed in the Table of Contents for social studies (in particular the Table of Contents for Civics and Government and Geography) did not match the standards contained in the text. For example, under the proposed standards for Civics and Government, Section 5.1, the Table of Contents lists three standards, but the text of Section 5.1 contains 13 standards. Conversely, under the proposed standards for Geography, in Section 7.1, the Table of Contents lists three standards, but the text of Section 7.1 only contains two standards. IRRC indicated that the content of each of the standards should be accurately reflected in the Table of Contents. The Table of Contents for the final-form rulemaking includes all standard statement topics listed to appropriately reflect the outline and text of the standards.

A public commentator raised the issue as to whether the standards impose a limit on instructional flexibility. The regulations do not require any specific courses or Carnegie units (hours of instruction). Furthermore, districts have much instructional flexibility in delivering planned instruction, and interdisciplinary planned instruction is encouraged. There was the comment that educators were concerned that the standards will emphasize rote memorization rather than an understanding of the larger social ideas. Teachers, however, have indicated that the themes expressed are important, and rote memorization is not an issue given the themes expressed throughout the standards.

In a letter to a Committee member, a constituent indicated that innovative instructional techniques may be stifled, because of the tremendous amount of material content "to be covered" by the standards. The constituent suggested that many of the standards are too specific, prescriptive and numerous, resulting in the restriction of a teacher's use of instructional tools learned through training and experience; proficiency may not be possible for some students under these standards, and implementation of the standards as they are currently written will ultimately remove AP courses and other electives from school schedules.

Local flexibility was given much attention throughout the development of the standards. The Board determined that the content of the standards is well balanced for each grade level, that innovative instructional techniques will be encouraged. It is also the goal of the standards to provide direction in order to develop curriculum. While electives may need to be reassessed, the local district will use the standards to choose what proficiency is and make a determination on the appropriate curriculum.

Aside from general comments, there was the submission of comments on overall policy considerations. A public commentator indicated that the standards for Civics and Government, Geography and History are "too open for interpretation" in their current form, and may lead to varying curriculum expectations from district to district. However, the purpose of the standards is to outline major concepts, which all districts are required to teach at the appropriate grade levels. It is the responsibility of the districts and its teachers to determine the manner in which these subjects should be taught.

Another public commentator indicated that the standards created financial hardships for the districts. Districts are charged with curriculum development. Although the standards may require some realignment and adjustment to the district's planned instruction, most standards concepts have been part of the courses previously taught. Therefore, the impact of the proposed standards in their final-form would not be financial hardship for the districts.

This same public commentator suggested that there was too much to teach with the new standards, and as a result, educational basics would suffer. Educational basics for the 21st century, however, require students to deal with massive amounts of information. Nevertheless, students learn this information in stages, as subjects are expanded upon throughout a child's educational development. The purpose of content areas is to provide methods to teach and instruct the basics within their subject areas. The standards encourage instruction that models how many sources of information can be combined within one topic. The different levels of knowledge promulgated by the standards demonstrate an understanding that with so much to learn, it can only happen over time.

This public commentator questioned whether assessments needed to be changed to align with the standards. Schools continually update and revise their curriculum and local assessment tools. Upon final publication of new academic standards, § 4.12 (relating to academic standards) requires that schools will revise their curriculum and align their local assessments. State assessments are neither planned for these standards, nor are they required by the new Federal education requirements of the No Child Left Behind Act of 2001 (Pub.L. No. 107-110, 115 Stat. 1425) (January 8, 2001).

This public commentator also inquired whether textbooks are written to comport with the standards. While standards-based textbooks exist, they are often aligned with National standards, and the standards of large states. It is anticipated that the Commonwealth's standards will be considered when textbook publishers revise and update their offerings. Therefore, as a result, the districts will have to do a crosswalk to match the textbooks to the standards, and where gaps exist, use handouts, workbooks, videos, library resources, the Internet or other instructional resources.

A concern was raised that the omission of sociology, anthropology and social sciences from the standards will

cause districts to drop the courses. Whether or not to include these subjects is not solely driven by the standards; local decisions by each school district about elective courses will determine whether or not these subjects are included in their local academic programs.

There was the question of whether the separation of citizenship and social sciences would preclude development of well-rounded teachers from the certification perspective and limit districts in curricular offerings. Alternatively, it was recommended that the Board consider requiring social studies certification through continuing education for these teachers. However, the recent efforts of the Board with regard to teacher preparation and certification under Chapter 49 (relating to certification of professional personnel), as well as the efforts of the Department of Education (Department) regarding professional development, both promote and encourage the development of well-rounded teachers who are well versed in the academic content in their areas of certification.

A public commentator suggested that a review process should be determined now and put into place upon implementation of the standards. Upon the Board's assessment of the review process, the Board determined that procedurally there is the need to focus on completion of the standards adoption process now, and then participate in an overall future review of Chapter 4 in its entirety. This review will take place in 2003.

A public commentator recommended that the social studies standards should follow the National Council for Social Studies thematic structure. Movement on the Commonwealth's Academic Standards attempted to give direction to teachers, and substance for students. The Commonwealth's current format for the social studies standards matches the direction of the Federal government, and would be more closely aligned to the National Assessments for Education Progress assessments. Many of the themes of the National Council for Social Studies may be found in various standard statements, but in a more structured vein.

IRRC had various comments, which are expressed throughout, relating to adding or deleting various words and phrases from the glossaries for all four of the proposed standards. A committee reviewed the comments and decided to accept, as necessary, certain terms specified by IRRC. IRRC's general comment about many of these words and phrases was that if a term is not used in the standard document then it should not be included in the glossary for that particular standard. That position was accepted and acted on by the Board when preparing the glossaries for the final-form rulemaking. As for other terms that were suggested to be included, however, the glossaries for the standards were developed in order to permit the layperson to understand what is being asked for or studied in the standards. The glossaries were not designed to be a course glossary for the teacher or a student, as such glossaries exist in grade appropriate texts and supplemental materials. The key to creating the glossaries was making the determination of whether the glossary provided the reader with assistance in understanding the standards by using a document that was clear and concise. Therefore, the major focus when determining whether or not to include suggested words and phrases in the glossary was whether or not these terms were used in the standards, and whether the term would be readily identified by the layperson.

### *Civics and Government*

#### *General Comments*

General comments were provided regarding the proposed standards for Civics and Government. IRRC noted that a public commentator questioned whether it would be helpful either to include an elementary level glossary for Civics and Government, or to expand the existing glossary to be more inclusive. The glossary, in its current form, was prepared for the layperson to understand what is meant by the standards document. Existing texts and supplemental materials will have appropriate glossaries for the applicable grade levels, thus no changes are needed to the Glossary for the standards for Civics and Government in its final form.

#### *Clarifying the Meaning of Individual Standards*

Several changes were recommended to make individual standards for Civics and Government more precise and clear. Standard 5.1.3.H begins with "Identify framers of documents of governments. . . ." The House staff questioned how many and which "framers" students will be expected to know; also, which "documents of government" will be used. The House staff also considered that this requisite is inappropriate for the age or grade category. Local schools will choose which "framers" its students would be expected to know at the relevant age or grade category; it is expected that leaders and other people who played key roles would be identified. In addition, the "documents of government" are those listed in Standard 5.1.3.E.

In Standard 5.1.6.J, the House staff suggested that the standard should read: "Describe how the government protects individual and property rights and promotes the common good." The final-form rulemaking was amended accordingly.

In Standard 5.3.6.G, the House staff suggested amending the standard to read: "Describe how the [government] law protects individual rights. . . ." The "law," however, is the basis for government. Without government in place, therefore, "law" is ineffectual. Based on this rationale, the term "government" should remain within this phrase of the standard.

In Standard 5.3.9.F and G, House staff suggested amending the standards to read: "F. Explain the election process. . . National and State Party conventions;" "G. Explain how the [government] Bill of Rights [protects] guarantees individual rights." The phrase was changed from "national and state party conventions" to "political party conventions" in order to cover both National and state levels. While the "Bill of Rights" had already been included as an example in Standard 5.3.6.G, the word "protects" was not replaced with "guarantees" in the final-form regulation for Standard 5.3.9.G. The Board reasoned that other than those listed, there are other amendments and State documents that protect individual rights. Therefore, the word "guarantee" would be limiting, as it connotes that individual rights can only be attained through application of one of the four bullets listed in the standard.

In Standard 5.3.12.G, the House staff suggested amending the standard to read: "Evaluate how the [government] law protects or curtails. . . ." The intent of this standard is to evaluate an active participant responsible for the protection of rights. While laws are created to guarantee individual rights and freedoms, it ultimately is the duty of the government to ensure that laws protect the rights

of individuals. Therefore, "government" is the appropriate term, and the suggested change was not included in the final-form rulemaking.

#### *Misspellings, Punctuation Errors and Typographical Errors*

Standard 5.1.3.M uses as an example "One small step for mankind." Upon review, it was determined that the correct quote should be "One small step for man" (Neil Armstrong), and the final-form rulemaking was revised accordingly.

IRRC noted that in Standard 5.2.9.E, the word "the" should be inserted before the word "political" and that in Standard 5.3.9.D, the correct name of an agency is the "Pennsylvania Public Utilities Commission." The word "the" was added to the final-form rulemaking for Standard 5.2.9.E. Please note that the standards refer to the "Pennsylvania Public Utility Commission." After careful review, it was determined that this is the actual name of the agency.

#### *Added and Deleted Words, Definitions and Examples*

The following words and phrases were removed from the Glossary, because as IRRC noted, they were not used in the text of the Civics and Government standards: "civil law;" "civil liberties;" "common law;" "compromise;" "concurrent powers;" "confederation;" "consent of the governed;" "constitutionalism;" "delegated powers;" "diplomat;" "judicial power;" and "political efficacy."

IRRC suggested that definitions for 34 words and phrases be added to the Glossary since they were used in the text of the standards. IRRC's suggestions were added to the Glossary, with the exception of: "preamble;" "personal responsibilities;" "political leadership;" "constitutional democracy;" "executive branch;" "legislative branch;" "judicial branch;" "bill;" "regulation;" "primary election;" "general election;" "political unit;" "International Red Cross;" "Amnesty International;" and "World Council of Churches." These terms were not added because the Board believes that, as used in the text of the standards, these terms are understandable. In addition, the terms "right to counsel;" "civic responsibilities;" and "political rights" had already been included in the Glossary prior to final-form.

Both IRRC and a public commentator also suggested that the following terms be added to the Glossary: "framers of documents;" "direct democracy;" "representative democracy;" "limited government;" and "unlimited government." These terms were included in the Glossary in the final-form rulemaking, with the exception of "framers of documents" and "representative democracy." It was not appropriate to add "framers of documents" based on the terminology used in the standards. The final-form regulation was amended to include, where appropriate, the terms "republic" and "republican form of government," in place of such phrases as "representative democracy," to align the terms with such used in the Pennsylvania School Code. See section 1605(a) of the act (24 P.S. § 16-1605(a)). The terms "republic" and "republican form of government" also have been defined in the Glossary.

#### *Economics*

##### *Clarifying the Meaning of Individual Standards*

In Standard 6.1.12.C, the House staff questioned to what the phrase "to other years" refers. The House staff questioned whether this was to be a comparison of current times to the Depression or the early 1990s, or was it simply a review of economic indicators for any given period of time, and if so whether some clarification

or specification should be provided. As a result of the House staff's comments, the text of this standard was changed to read "another time period" instead of "to other years." The Board reasoned that this change would further add to the clarification of this phrase.

In Standard 6.2.9.E, the House staff suggested amending the language to read: "Explain the laws of supply and demand and how these affect the prices of goods and services." This phrase was added to the final-form regulation.

#### *Added and Deleted Words, Definitions and Examples*

IRRC identified 37 technical words and phrases that should be added to the Glossary. All of IRRC's suggestions were added to the Glossary, with the exception of: "expansion;" "contraction;" "market transaction;" "monopoly;" "limited resources scarcity;" "regional economy;" "national economy;" "non-competitive market;" "international economy;" "limited resources;" "unlimited wants;" "allocation of resources;" "economic decision;" "decision making (in the context of marginal analysis);" "import;" "export;" "inter-regional trade;" "international trade;" "trade barrier;" "labor market;" and "retirement savings." These terms were not added because it was not appropriate, as they are terminology that was not used in the standards. Therefore, in order to be consistent with the standards and to maintain a Glossary that is "user friendly," these terms were not included in the Glossary.

#### *Geography*

##### *General Comments*

A public commentator questioned whether multiple textbooks would be needed to teach Geography under the proposed standards. Schools already use multiple sources of instructional materials in delivering instruction. While standards-based textbooks exist, they are often aligned with National standards, and the standards of large states. It is anticipated that the Commonwealth's standards will be considered when textbook publishers revise and update their offerings. As a result, the districts will have to do a crosswalk in order to match the textbooks to the standards, and when gaps exist, use handouts, workbooks, videos, library resources, the Internet or other instructional resources.

In Standard 7.2.3.A, both IRRC and the House staff questioned the age appropriateness of the language of the standard stating: "Identify the physical characteristics of places and regions. . . earth's basic physical systems. . . lithosphere. . . hydrosphere. . . atmosphere. . . and biosphere. . ." The staff suggested that these four terms for third-graders be rephrased to something more meaningful, such as "earth, water, air and life forms." It also was suggested that perhaps these concepts should be shifted to sixth-grade standards in Standard 7.2.6.A.

Using the more simplified language removes the actual concept, and an elementary teacher urged the inclusion of these terms in the standards. Teachers should use words such as "earth," "water," "air" and "life forms" to explain these terms when delivering instruction. Furthermore, teachers on the development committee for the standards considered the actual terms used to best describe the intent of the standard statement.

In Standard 7.3.3.E, the House staff considered whether it was inappropriate to expect all third-graders to: "Identify. . . [the] type of political units (e.g. townships, boroughs, counties, states, countries [nation state])." Knowing concepts such as counties, states and nations appear, according to the House staff, to be fundamental

concepts for first-through third-graders. According to the House staff and public comment, knowing and identifying local municipalities seems complex. The House staff, therefore, suggested changing the standard's requirements. The staff also questioned why "cities" and "towns" were deleted from the list of local municipalities in the proposed rulemaking.

Typical studies of political units include sequences that use the words "neighborhood" and "community" at these grades. Therefore, it also would be appropriate to use complementary political units. This terminology is consistent with other standard statements in Civics and Government, Economics and History, and therefore, students at this age level should be able to comprehend these concepts and terminologies.

A public commentator requested clarification of the meaning of the word "human features." This term is well defined in the Glossary and is the thrust for all of Standard 7.3; therefore, is no need for further clarification.

#### *Clarifying the Meaning of Individual Standards*

In Standard 7.1.3.B, the House staff and IRRC questioned why the symbol "i.e." (meaning *id est*, or "that is") is used, rather than the symbol "e.g." (meaning "for example"), as is used throughout the other levels of this section, as well as throughout the standards. The staff further indicated that the use of "i.e." would indicate that those items are to be used specifically, rather than serving as possible examples of certain factors. The House staff and IRRC suggested that changing the "i.e." usage to "e.g." usage because they believed that this abbreviation might be misinterpreted. The abbreviation "i.e." remained in the final-form rulemaking for this particular standard, as the purpose of its use was to specifically include the items listed. This list would not be all-inclusive, but every student would need to know these particular items.

In addition, the term "intervening opportunities" was changed in the Glossary at the suggestion of IRRC to "intervening opportunity" to be consistent with the tense of the term used within the standards. There was some concern from a public commentator that the use of the term "mental map" was too confusing for elementary grade students. This term is used in the final-form rulemaking, as the Board determined that it was a term that could be understood by children in these grades.

In Standard 7.1.9.A, the House staff suggested the use of the term "key (or legend)" in place of "symbol systems." Geography encompasses a key or legend as part of the "symbol system." The term used is broader than just a legend; therefore, the term must remain in the regulations.

In Standard 7.1.9.B, the House staff suggested an additional bullet to read: "How geography has influenced certain events or phenomena (e.g. battles, natural disasters, settlement patterns, the rise of specific industries)." Standard 7.1 refers to "Basic Geographic Literacy." This suggestion has already been addressed in Standards 7.4 and 7.3.

Standard 7.3.12.C requires students to "Use models of the internal structure of cities (e.g., concentric zone model, sector theory, multiple nuclei theory)." IRRC suggested that the example should refer to "sector" and "multiple nuclei" models as opposed to "theories." These suggestions were made to the final-form regulation. Further, IRRC suggested that the definition of the term "sector model" in the Section XXI Glossary should reflect the use of the term in the standards. The current

definition does reflect the use of the term in the standards, as "Sector" is used as an example in Standard 7.3.12 of a model of an internal structure of cities. The definition of "Sector model" in the Glossary specifically defines the concept used to create this model.

Standards 7.4.6.A and 7.4.9.A refer to "hazard-prone areas." Rather than use this term in the Glossary as IRRC suggested, the Board used "natural hazard" because Standard 7.4.3.A begins with the discussion of natural hazards and, as appropriate, it is defined in the Glossary.

IRRC considered the appropriateness of the definition of "absolute location." In the Glossary of the Geography standards, the definition of the term "absolute location" states "the position of a point on the Earth's surface that can usually be described by latitude and longitude but also including nine digit zip code and street address." IRRC questioned why the phrase "but also including nine digit zip code and street address" was relevant to this definition. The phrase remained in the definition because the "position" is a point on the Earth's surface that can usually be described by latitude and longitude. However, for the sake of clarity, the definition of "absolute location" in the final-form rulemaking was amended to read as follows: "The position of a point on the Earth's surface that can usually be described by latitude and longitude. Another example of absolute location would be the use of a nine-digit zip code and street address."

#### *Added and Deleted Words, Definitions and Examples*

The following terms were deleted from the Glossary, as IRRC suggested: "choropleth map;" "climatic processes;" "contour map;" "demography;" "cultural hearths;" "industrialization;" "land degradation;" "map projection;" "regionalization;" and "urbanization." "Equinox" was not removed because it is a necessary term, as it is used in Standard 7.2.6.B. However, the definition was made plural in the Glossary to be consistent with the use of the term in the standards.

IRRC suggested the following technical terms be included in the Glossary: "biomes;" "tertiary;" "legend (i.e., relating to a map);" "NAFTA;" "NATO;" and "OAS." Definitions for all of these words and phrases were included in the Glossary with the exception of "legend" and "tertiary." "Legend" is a common term used in reading maps so it does not need a definition, and "tertiary" is defined in the bullet where it was used in the standards so it was not necessary to include this term in the Glossary.

IRRC questioned the need to define "distribution;" "population size;" and "satellite image" in the Glossary. All of these words and phrases were removed from the Glossary except for "satellite image." It was appropriate to define this term due to its complexity. Therefore, because this term had special meaning, as applicable to the standards, it was included in the Glossary.

#### *History*

##### *General Comments*

Comments expressed an overall deficiency with the history standards, as there appeared to be an absence of traditional and well-recognized themes. However, history is about people and groups, primary documents, material artifacts, historic places, continuity and change over time, conflicts and cooperation, and development of historical analysis and skills. The standards incorporate all of these themes.

A Committee member indicated that the history standards were created without regard to the years that history is taught, the comprehension level of students exposed to the material and a true grasp of the meaning



of history or the usefulness of the historical process. The Committee member further indicated that the history standards are unrealistic, and do not conform to the age or grade levels that United States history is taught (which will be the course where the history of this Commonwealth is incorporated). However, teachers throughout the State have remarked that the history standards are consistent with their actual course of instruction. While the actual historical process is strongly enforced by the content of Standard 8.1, the actual years that history is taught varies greatly throughout the State from district to district. Furthermore, the comprehension of students always remained in the foreground in all deliberations surrounding the creation of these standards.

A public commentator suggested that the history standards have vague examples for benchmarks for the third grade. The benchmarks have the same concepts used in other grade levels, but some have more specific descriptors of history. A Committee member also suggested that "religious freedom" is not included in the standards, and should be addressed by looking at the issue in several periods of time from the 17th to the 21st century. The concept of religious freedom, however, is addressed throughout the History standards.

A constituent indicated, in his letter to a Committee member, that some of the standards lack coherence, as for example, in the History standards, by grade 6 one bullet in the standards listed that students needed to know both the Code of Hammurabi and Anne Frank. This comment actually referred to a proposed draft of the History standards from January 2001. It is the local entity, however, that chooses the content to be addressed from the History standards, as long as it addresses individuals and groups, primary documents, material artifacts, historic places, continuity and change, conflict and cooperation within the Americas, Asia, Africa and Europe, with regard to World History.

The House staff suggested the need to revise the seventh paragraph of the preamble for the History standards, to identify why these standards treat history as a narrative. The staff further indicated that if there needs to be a "common cultural history," as the paragraph states, then there needs to be a greater emphasis on key, and therefore, inclusive information. It is not necessary to revise the preamble for this purpose, as the actual intent of the standards is actually the same as the purpose of a narrative: that teachers will use the standards to make history "come alive" for students.

The issue was raised questioning the age appropriateness of various concepts at various grade levels. For example, a Committee member indicated that some of the issues discussed in the history standards in the period "beginning to 1824" are too complex to be mastered by sixth grade students, and that an appreciation of certain documents cannot be mastered by grade three. However, the standards are designed so that students can "master" concepts that are appropriate for their age or grade level.

A constituent suggested, in his letter to a Committee member, that bulleted, arrowed and diamonded items throughout the standards should be cited as "suggested activities only." This comment actually referred to a proposed draft of the History standards from January 2001. In the final-form rulemaking, there are no arrowed or diamonded items in the History standards. The standards only contain bulleted items, which are explained in the Introductions.

### *Clarifying the Meaning of Individual Standards*

The Introduction preceding the history standards contains the following sentence: "Although different grade levels outline different chronological periods within the standards, it is intended, as any good teacher would do, that the specified chronological eras be linked to past learnings and that all eras be linked to the present." IRRC suggested that the phrase "as any good teacher would do" be removed as it is subjective. This phrase was removed from the final-form rulemaking.

IRRC questioned why in Standard 8.3.3.A so many sports figures were chosen as examples of "role models" for United States history. These examples were used because citing several current individuals with whom students may already be familiar gives the teacher the ability to link these examples with individuals who may have been popular in the past. Furthermore, the sports figures used as examples have had an impact on society and, therefore, are considered as role models.

### *Added and Deleted Words, Definitions and Examples*

The Board responded to detailed comments about definitions and examples used in the proposed history standards. A public commentator raised the issue of whether examples of various political leaders and military leaders should be added to the list of examples included in the standards. These examples were not officially included in the final-form rulemaking, as the Board relies on local districts to include these individuals in local planned instruction. The standards do not replace local responsibilities in creating appropriate content.

The Board attempted to balance this reasoning with the appropriateness of including the additional examples suggested, by the both the House staff as well as from a public commentator, in Standards 8.2.6, 8.3.6 and 8.3.9. This public commentator also requested that an example be added to Standard 8.2.12. The Board reviewed all of the suggestions, but the original examples remained in the final-form rulemaking to be consistent with the requirements of the standards, and because the Board considered them to be the most important examples for that particular subject as well as the historical time period. Furthermore, some of the suggestions had already been included in the standards prior to final-form.

It also appeared that there was some chronological confusion in the proposed history standards between the 6th and the 9th grade. The confusion was as a result of the listing of the year "1815" instead of "1824" in the standard. Since 1824 was used for all other 6th grade statements, this change was made to all portions of this standard that discussed the year "1815." A constituent also suggested, in a letter to a Committee member, that there is some chronological confusion when the history standards for grade 6 discuss events and issues surrounding the year "1815," but the standards for grade 9 revert to the year "1776" (the actual year used in the standards was "1787"). The Board determined, however, that the purpose of using these different years is not to create chronological confusion, but to build on previous information already taught and to allow for local flexibility.

It was suggested that the terms "multiple causation" and "multiple points of view" be added to sections of Standard 8.1. The final-form rulemaking included "cause and result" in the plural in the relevant parts of this Standard. This permits "multiple causations" and "mul-

multiple points of view” to continue to be used as a descriptor in the standards.

IRRC suggested the following terms should be removed from the Glossary because they were not used in the text of the standards: “archive;” “legends;” “time lines;” and “monument.” The word “time lines” was included in the Glossary, however, because it was used in the text of Standard 8.1. IRRC questioned the necessity for the term “memorial” to be defined in the Glossary because the meaning of this term is commonly understood. However, it remained in the Glossary because the term encompasses many items as applied in the standard.

“AME Church” is listed as an example of a social organization. IRRC suggested that a definition of “AME Church” should be included in the Glossary. Since the term “social organization” was never contained in the Glossary, given the extent to which it is addressed in the standards, the suggestion was adapted with “AME Church” being spelled out in the example where the term was used in Standard 8.2.6.C.

The House staff suggested that the reference to “C.E.” (Common Era) be omitted. Previously, “C.E.” was necessary to delineate eras. However, “eras” themselves were removed from the standards, and this reference (C.E.) also was deleted from the final-form rulemaking.

*Policy Considerations*

A public commentator expressed concern about how to teach war concepts to third graders and the impact of teaching this subject, and indicated opposition to the teaching of contemporary religion, based on the content of Standard 8.2. Elementary teachers may discuss military conflicts. Rather than using the term “impact of wars” a change has been made to the standards to provide greater flexibility. As an example of military conflicts, the “e.g.” section was changed to “struggle for control” in Standard 8.2.3.D. With respect to contemporary religion, how continuity and change have influenced history and conflict among social groups and organizations cannot fully be understood unless teaching concepts include the roles of contemporary religions.

*Affected Parties*

The final-form rulemaking affects the students and professional employees of the public schools of this Commonwealth (including intermediate units, area vocational-technical schools, public charter and alternative schools).

*Costs and Paperwork Estimates*

The Department believes implementation of this final-form rulemaking will be cost neutral to school districts. Costs to implement this final-form rulemaking may include curriculum development and the professional development of teachers. However, these costs may be cost neutral, as they have already been included in the budget. For example, curriculum revision is an ongoing activity for schools and is typically part of their normal budgeting. Costs associated with aligning curricula with these standards at the local level will be minimized by the following State efforts: technical assistance in curriculum development provided by Department staff; implementation materials developed by the Department; training provided by intermediate units; and professional associations to public schools. Professional development of teachers is an ongoing activity for schools and is addressed in the normal budgeting process by school dis-

tricts. Specific programs designed to support the implementation of these standards will minimize any financial impact on school districts. Current year funds available for the Department to support these activities total \$4.38 million. These funds are available for implementation of both Appendix C, as well as other academic standards, by way of professional development.

*Effective Date*

These amendments will become effective upon final-form publication in the *Pennsylvania Bulletin*.

*Sunset Date*

The effectiveness of Chapter 4 will be reviewed by the Board every 4 years, in accordance with the Board’s policy and practice respecting all regulations promulgated by the Board. The Board plans to initiate its review of Chapter 4 in 2003. Thus, no sunset date is necessary.

*Regulatory Review*

Under section 5(a) of the Regulatory Review Act (71 P. S. § 745.5(a)), on January 31, 2002, the Board submitted a copy of the proposed rulemaking, published at 32 Pa.B. 905, to IRRC and to the Chairpersons of the House and Senate Committees on Education for review and comment.

In compliance with section 5(c) of the Regulatory Review Act, the Board also provided IRRC and the Committees with copies of the comments received as well as other documentation. In preparing the final-form rulemaking, the Board considered the comments received from IRRC, the Committees and the public.

Under section 5.1(d) of the Regulatory Review Act (71 P. S. § 745.5a(d)), the final-form rulemaking was deemed approved by the Senate and House Committees on November 8, 2002. IRRC met on November 21, 2002, and approved the final-form rulemaking in accordance with section 5.1(e) of the Regulatory Review Act.

*Contact Person*

The official responsible for information on the final-form rulemaking is James E. Buckheit, Acting Executive Director of the State Board of Education, 333 Market Street, Harrisburg, PA 17126-0333, (717) 787-3787 or TDD (717) 787-7367.

*Findings*

The Department finds that:

(1) Public notice of the 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 promulgated thereunder in 1 Pa. Code §§ 7.1 and 7.2.

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

(3) The final-form rulemaking is necessary and appropriate for the administration of the act.

*Order*

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

(a) The regulations of the Board, 22 Pa. Code Chapter 4, are amended by adding Appendix C to read as set forth in Annex A.

(b) The Acting Executive Director will submit this order and Annex A to the Office of General Counsel and the Office of Attorney General for review and approval as to legality and form as required by law.

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

(d) This order is effective upon final publication in the *Pennsylvania Bulletin*.

JAMES E. BUCKHEIT,  
*Acting Executive Director*

*(Editor's Note: For the text of the order of the Independent Regulatory Review Commission, relating to this document, see 32 Pa.B. 6016 (December 7, 2002).)*

**Fiscal Note:** 6-275. (1) General Fund; (2) Implementing Year 2002-03 is \$\*; (3) 1st Succeeding Year 2003-04 is \$; 2nd Succeeding Year 2004-05 is \$; 3rd Succeeding Year 2005-06 is \$; 4th Succeeding Year 2006-07 is \$; 5th Succeeding Year 2007-08 is \$; (4) 2001-02 Program—\$3.67 million; 2000-01 Program—\$3.95 million; 1999-00 Program—\$1.92 million; (7) For teacher professional development associated with new academic standards, etc.; (8) recommends adoption.

**Annex A**

**TITLE 22. EDUCATION**

**PART II. STATE BOARD OF EDUCATION**

**Subpart A. MISCELLANEOUS PROVISIONS**

**CHAPTER 4. ACADEMIC STANDARDS AND ASSESSMENT**

**APPENDIX C**

**Academic Standards for Civics and Government and Economics and Geography and History**

**Academic Standards for Civics and Government**

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- E. Documents and Ideals Shaping United States Government
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**XIV. INTRODUCTION**

This document includes Academic Standards for Civics and Government that describe what students should know and be able to do in four areas:

- 5.1. Principles and Documents of Government
- 5.2. Rights and Responsibilities of Citizenship
- 5.3. How Government Works
- 5.4. How International Relationships Function

The Civics and Government Academic Standards describe what students should know and be able to do at four grade levels (third, sixth, ninth and twelfth). Throughout the standard statements, concepts found in lower grades must be developed more fully throughout higher grade levels.

The Pennsylvania Constitution of 1790 was the basis for the Free Public School Act of 1834 that is the underpinning of today's system of schools operating throughout the Commonwealth. These schools were created to educate children to be useful citizens, loyal to the principles upon which our Republic was founded, and aware of their duties as citizens to maintain those ideals.

The Academic Standards for Civics and Government are based on the Public School Code of 1949 which directs "... teaching and presentation of the principles and ideals of the American republican representative form of government as portrayed and experienced by the acts and policies of the framers of the Declaration of Independence and framers of the Constitution of the United States and Bill of Rights...". The intent of the Code is that such instruction "shall have for its purpose also instilling into every boy and girl who comes out of public, private and parochial schools their solemn duty and obligation to exercise intelligently their voting privilege and to understand the advantages of the American republican form of government as compared with various other forms of governments."

The Academic Standards for Civics and Government consist of four standard categories (designated as 5.1.,

\*Costs cannot be separately identified by type of academic standard, but are included within the annual appropriation.

5.2., 5.3., and 5.4.). Each category has a number of standards statements designated by a capital letter. Some standard statements have bulleted items known as standard descriptors. The standard descriptors are items within the document to illustrate and enhance the standard statement. The categories, statements and descriptors are regulations. The descriptors may be followed by an "e.g.". The "e.g.'s" are examples to clarify what type of information could be taught. These are suggestions and the choice of specific content is a local decision as is the method of instruction.

Civics and Government along with Economics, Geography and History are identified as Social Studies in Chapter 4. This identification is consistent with citizenship education in Chapter 49 and Chapter 354. Based on these regulations, Social Studies/Citizenship Programs should include the four sets of standards as an entity in developing a scope and sequence for curriculum and planned instruction.

A glossary is included to assist the reader in clarifying terminology contained in the standards.

<b>5.1. Principles and Documents of Government</b>			
<b>5.1.3. GRADE 3</b>	<b>5.1.6. GRADE 6</b>	<b>5.1.9. GRADE 9</b>	<b>5.1.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>A. Describe what government is.</p> <p>B. Explain the purposes of rules and laws and why they are important in the classroom, school, community, state and nation.</p> <p>C. Define the principles and ideals shaping government.</p> <ul style="list-style-type: none"> <li>• Justice</li> <li>• Truth</li> <li>• Diversity of people and ideas</li> <li>• Patriotism</li> <li>• Common good</li> <li>• Liberty</li> <li>• Rule of law</li> <li>• Leadership</li> <li>• Citizenship</li> </ul> <p>D. Identify the document which created Pennsylvania.</p> <p>E. Identify documents of United States government.</p> <ul style="list-style-type: none"> <li>• Declaration of Independence</li> <li>• Constitution of the United States</li> <li>• Bill of Rights</li> </ul>	<p>A. Explain the purpose of government.</p> <p>B. Explain the importance of the rule of law for the protection of individual rights and the common good in the community, state, nation and world.</p> <p>C. Describe the principles and ideals shaping government.</p> <ul style="list-style-type: none"> <li>• Equality</li> <li>• Majority rule/Minority rights</li> <li>• Popular sovereignty</li> <li>• Privacy</li> <li>• Checks and balances</li> <li>• Separation of powers</li> </ul> <p>D. Explain the basic principles and ideals within documents of Pennsylvania government.</p> <ul style="list-style-type: none"> <li>• Charter of 1681</li> <li>• Charter of Privileges</li> <li>• Pennsylvania Constitution</li> <li>• Pennsylvania Declaration of Rights</li> </ul> <p>E. Explain the basic principles and ideals within documents of United States government.</p>	<p>A. Identify and explain the major arguments advanced for the necessity of government.</p> <p>B. Describe historical examples of the importance of the rule of law.</p> <ul style="list-style-type: none"> <li>• Sources</li> <li>• Purposes</li> <li>• Functions</li> </ul> <p>C. Analyze the principles and ideals that shape government.</p> <ul style="list-style-type: none"> <li>• Constitutional government</li> <li>• Liberal democracy</li> <li>• Classical republicanism</li> <li>• Federalism</li> </ul> <p>D. Interpret significant changes in the basic documents shaping the government of Pennsylvania.</p> <ul style="list-style-type: none"> <li>• The Great Law of 1682</li> <li>• Constitution of 1776</li> <li>• Constitution of 1790</li> <li>• Constitution of 1838</li> <li>• Constitution of 1874</li> <li>• Constitution of 1968</li> </ul> <p>E. Analyze the basic documents shaping the government of the United States.</p> <ul style="list-style-type: none"> <li>• Magna Carta</li> <li>• English Bill of Rights</li> <li>• Mayflower Compact</li> <li>• Articles of Confederation</li> <li>• Declaration of Independence</li> <li>• Federalist papers</li> <li>• Anti-federalist writings</li> <li>• United States Constitution</li> </ul>	<p>A. Evaluate the major arguments advanced for the necessity of government.</p> <p>B. Analyze the sources, purposes and functions of law.</p> <p>C. Evaluate the importance of the principles and ideals of civic life.</p> <p>D. Analyze the principles and ideals that shape the government of Pennsylvania and apply them to the government.</p> <ul style="list-style-type: none"> <li>• The Charter of 1681</li> <li>• Charter of Privileges</li> <li>• PA Constitution, its revisions and Amendments</li> </ul> <p>E. Evaluate the principles and ideals that shape the United States and compare them to documents of government.</p>

5.1. Principles and Documents of Government			
5.1.3. GRADE 3	5.1.6. GRADE 6	5.1.9. GRADE 9	5.1.12. GRADE 12
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>F. Explain the meaning of a preamble.</p> <ul style="list-style-type: none"> <li>• Constitution of the United States</li> <li>• Pennsylvania Constitution</li> </ul> <p>G. Describe the purpose of the United States Flag, The Pledge of Allegiance and The National Anthem.</p> <p>H. Identify framers of documents of governments.</p> <ul style="list-style-type: none"> <li>• Pennsylvania</li> <li>• United States</li> </ul> <p>I. Explain why government is necessary in the classroom, school, community, state and nation and the basic purposes of government in Pennsylvania and the United States.</p> <p>J. Explain the importance of respect for the property and the opinions of others.</p> <p>K. Identify symbols and political holidays.</p> <ul style="list-style-type: none"> <li>• Pennsylvania (e.g., Charter Day, Liberty Bell, Keystone State)</li> <li>• United States (e.g., Presidents' Day, Statue of Liberty, White House)</li> </ul> <p>L. Identify ways courts resolve conflicts involving principles and ideals of government.</p>	<p>F. Explain the meaning of the Preamble to the Constitution of the Commonwealth of Pennsylvania and compare it to the Preamble of the Constitution of the United States.</p> <p>G. Describe the proper use, display and respect for the United States Flag and explain the significance of patriotic activities.</p> <ul style="list-style-type: none"> <li>• Reciting The Pledge of Allegiance</li> <li>• Standing for The National Anthem</li> </ul> <p>H. Describe the roles played by the framers of the basic documents of governments of Pennsylvania and the United States.</p> <p>I. Describe and compare the making of rules by direct democracy and by republican form of government.</p> <p>J. Describe how the government protects individual and property rights and promotes the common good.</p> <p>K. Describe the purpose of symbols and holidays.</p> <p>L. Explain the role of courts in resolving conflicts involving the principles and ideals of government.</p> <ul style="list-style-type: none"> <li>• Local</li> <li>• State</li> <li>• Federal</li> </ul>	<p>F. Contrast the individual rights created by the Pennsylvania Constitution and those created by the Constitution of the United States.</p> <p>G. Describe the procedures for proper uses, display and respect for the United States Flag as per the National Flag Code.</p> <p>H. Explain and interpret the roles of framers of basic documents of government from a national and Pennsylvania perspective.</p> <p>I. Explain the essential characteristics of limited and unlimited governments and explain the advantages and disadvantages of systems of government.</p> <ul style="list-style-type: none"> <li>• Confederal</li> <li>• Federal</li> <li>• Unitary</li> </ul> <p>J. Explain how law protects individual rights and the common good.</p> <p>K. Explain why symbols and holidays were created and the ideals they commemorate.</p> <p>L. Interpret Pennsylvania and United States court decisions that have impacted the principles and ideals of government.</p>	<p>F. Analyze and assess the rights of the people as listed in the Pennsylvania Constitution and the Constitution of the United States.</p> <p>G. Analyze and interpret the role of the United States Flag in civil disobedience and in patriotic activities.</p> <p>H. Analyze the competing positions held by the framers of the basic documents of government of Pennsylvania and United States.</p> <p>I. Analyze historical examples of the importance of the rule of law explaining the sources, purposes and functions of law.</p> <p>J. Analyze how the law promotes the common good and protects individual rights.</p> <p>K. Analyze the roles of symbols and holidays in society.</p> <p>L. Analyze Pennsylvania and United States court decisions that have affected principles and ideals of government in civic life.</p> <ul style="list-style-type: none"> <li>• Civil rights</li> <li>• Commerce</li> <li>• Judicial review</li> <li>• Federal supremacy</li> </ul>

5.1. Principles and Documents of Government			
5.1.3. GRADE 3	5.1.6. GRADE 6	5.1.9. GRADE 9	5.1.12. GRADE 12
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
M. Identify portions of famous speeches and writings that reflect the basic principles and ideals of government (e.g., "I have a dream," Reverend Martin Luther King; "One small step for man," Neil Armstrong).	M. Explain the basic principles and ideals found in famous speeches and writings (e.g., "Governments, like clocks, go from the motion people give them," William Penn; "A date that will live in infamy," Franklin D. Roosevelt).	M. Interpret the impact of famous speeches and writings on civic life (e.g., <i>The Gospel of Wealth</i> , <i>Declaration of Sentiments</i> ).	M. Evaluate and analyze the importance of significant political speeches and writings in civic life (e.g., <i>Diary of Anne Frank</i> , <i>Silent Spring</i> ).
<b>Basic concepts found in lower grades for standard statements and their descriptors must be developed more fully throughout higher grade levels.</b>			

5.2. Rights and Responsibilities of Citizenship			
5.2.3. GRADE 3	5.2.6. GRADE 6	5.2.9. GRADE 9	5.2.12. GRADE 12
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
A. Identify examples of the rights and responsibilities of citizenship. <ul style="list-style-type: none"> <li>• Personal rights</li> <li>• Political rights</li> <li>• Economic rights</li> <li>• Personal responsibilities</li> <li>• Civic responsibilities</li> </ul>	A. Compare rights and responsibilities of citizenship. <ul style="list-style-type: none"> <li>• Political rights</li> <li>• Economic rights</li> <li>• Personal responsibilities of the individual and to society</li> <li>• Civic responsibilities of the individual and to society</li> <li>• Traits of character of individuals and to a republican form of government</li> </ul>	A. Contrast the essential rights and responsibilities of citizens in systems of government. <ul style="list-style-type: none"> <li>• Autocracy</li> <li>• Democracy</li> <li>• Oligarchy</li> <li>• Republic</li> </ul>	A. Evaluate an individual's civic rights, responsibilities and duties in various governments.
B. Identify personal rights and responsibilities.	B. Explain the relationship between rights and responsibilities.	B. Analyze citizens' rights and responsibilities in local, state and national government.	B. Evaluate citizen's participation in government and civic life.
C. Identify sources of conflict and disagreement and different ways conflicts can be resolved.	C. Explain ways citizens resolve conflicts in society and government.	C. Analyze skills used to resolve conflicts in society and government.	C. Interpret the causes of conflict in society and analyze techniques to resolve those conflicts.
D. Identify the importance of political leadership and public service in the school, community, state and nation.	D. Describe the importance of political leadership and public service.	D. Analyze political leadership and public service in a republican form of government.	D. Evaluate political leadership and public service in a republican form of government.
E. Describe ways citizens can influence the decisions and actions of government.	E. Identify examples of the rights and responsibilities of citizenship.	E. Explain the importance of the political process to competent and responsible participation in civic life.	E. Analyze how participation in civic and political life leads to the attainment of individual and public goals.
F. Explain the benefits of following rules and laws and the consequences of violating them.	F. Describe the impact of the consequences of violating rules and laws in a civil society.	F. Analyze the consequences of violating laws of Pennsylvania compared to those of the United States.	F. Evaluate how individual rights may conflict with or support the common good.

<b>5.2. Rights and Responsibilities of Citizenship</b>			
<b>5.2.3. GRADE 3</b>	<b>5.2.6. GRADE 6</b>	<b>5.2.9. GRADE 9</b>	<b>5.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
G. Identify ways to participate in government and civic life.	G. Explain the importance of participating in government and civic life.	G. Analyze political and civic participation in government and society.	G. Evaluate what makes a competent and responsible citizen.
<b>Basic concepts found in lower grades for standard statements and their descriptors must be developed more fully throughout higher grade levels.</b>			

<b>5.3. How Government Works</b>			
<b>5.3.3. GRADE 3</b>	<b>5.3.6. GRADE 6</b>	<b>5.3.9. GRADE 9</b>	<b>5.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
A. Identify the elected representative bodies responsible for making local, Pennsylvania and United States laws.	A. Compare the structure, organization and operation of local, state and national governments.	A. Explain the structure, organization and operation of the local, state and national governments including domestic and national policy-making.	A. Analyze and evaluate the structure, organization and operation of the local, state and national governments including domestic and national policy-making.
B. Identify the role of the three branches of government. <ul style="list-style-type: none"> <li>• Executive</li> <li>• Legislative</li> <li>• Judicial</li> </ul>	B. Describe the responsibilities and powers of the three branches of government.	B. Compare the responsibilities and powers of the three branches within the national government.	B. Analyze the responsibilities and powers of the national government.
C. Identify reasons for rules and laws in the school and community.	C. Explain how government actions affect citizens' daily lives.	C. Explain how a bill becomes a law on a federal, state, and local level.	C. Evaluate the process of how a bill becomes the law on a federal, state, and local levels.
D. Identify services performed by the local, state and national governments.	D. Describe how local, state and national governments implement their services.	D. Explain how independent government agencies create, amend and enforce regulatory policies. <ul style="list-style-type: none"> <li>• Local (e.g., Zoning Board)</li> <li>• State (e.g., Pennsylvania Public Utility Commission)</li> <li>• National (e.g., Federal Communications Commission)</li> </ul>	D. Evaluate how independent government agencies create, amend and enforce regulations.
E. Identify positions of authority at school and in local, state and national governments.	E. Identify major leaders of local, state and national governments, their primary duties and their political party affiliation.	E. Explain how citizens participate in choosing their leaders through political parties, campaigns and elections.	E. Evaluate the roles of political parties in election campaigns.
F. Explain what an election is.	F. Describe the voting process. <ul style="list-style-type: none"> <li>• Pennsylvania</li> <li>• United States</li> </ul>	F. Explain the election process. <ul style="list-style-type: none"> <li>• Voter registration</li> <li>• Primary Elections</li> <li>• Caucuses</li> <li>• Political party conventions</li> <li>• General Elections</li> <li>• Electoral College</li> </ul>	F. Evaluate the elements of the election process.

<b>5.3. How Government Works</b>			
<b>5.3.3. GRADE 3</b>	<b>5.3.6. GRADE 6</b>	<b>5.3.9. GRADE 9</b>	<b>5.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i></b>			
G. Explain why being treated fairly is important.	G. Describe how the government protects individual rights. <ul style="list-style-type: none"> <li>• Presumption of Innocence</li> <li>• Right to Counsel</li> <li>• Trial by Jury</li> <li>• Bill of Rights</li> </ul>	G. Explain how the government protects individual rights. <ul style="list-style-type: none"> <li>• Equal protection</li> <li>• Habeas Corpus</li> <li>• Right Against Self Incrimination</li> <li>• Double Jeopardy</li> <li>• Right of Appeal</li> <li>• Due Process</li> </ul>	G. Evaluate how the government protects or curtails individual rights and analyze the impact of supporting or opposing those rights.
H. Identify individual interests and explain ways to influence others.	H. Identify individual interests and how they impact government.	H. Analyze how interest groups provide opportunities for citizens to participate in the political process.	H. Evaluate the impact of interest groups on the political process.
I. Explain why taxes are necessary and identify who pays them.	I. Describe why and how government raises money to pay for its operations and services.	I. Analyze how and why government raises money to pay for its operation and services.	I. Evaluate how and why government raises money to pay for its operations and services.
J. Identify the role of the media in society.	J. Describe the influence of media in reporting issues.	J. Analyze the importance of freedom of the press.	J. Evaluate the role of media in political life in the United States and explain the role of the media in setting the public agenda.
K. Identify different ways people govern themselves.	K. Describe forms of government. <ul style="list-style-type: none"> <li>• Limited</li> <li>• Unlimited</li> </ul>	K. Identify and explain systems of government. <ul style="list-style-type: none"> <li>• Autocracy</li> <li>• Democracy</li> <li>• Oligarchy</li> <li>• Republic</li> </ul>	K. Evaluate the strengths and weaknesses of various systems of government. <ul style="list-style-type: none"> <li>• Autocracy</li> <li>• Democracy</li> <li>• Oligarchy</li> <li>• Republic</li> </ul>
<b>Basic concepts found in lower grades for standard statements and their descriptors must be developed more fully throughout higher grade levels.</b>			

<b>5.4. How International Relationships Function</b>			
<b>5.4.3. GRADE 3</b>	<b>5.4.6. GRADE 6</b>	<b>5.4.9. GRADE 9</b>	<b>5.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i></b>			
A. Identify how customs and traditions influence governments.	A. Explain the concept of nation-states.	A. Explain how the United States is affected by policies of nation-states, governmental and non-governmental organizations.	A. Analyze the impact of international economic, technological and cultural developments on the government of the United States.
B. Recognize that the world is divided into various political units.	B. Describe how nation-states coexist in the world community.	B. Explain the role of the United States in world affairs.	B. Analyze the United States' interaction with other nations and governmental groups in world events.
C. Identify ways in which countries interact with the United States.	C. Describe the governments of the countries bordering the United States and their relationships with the United States.	C. Explain the effects United States political ideas have had on other nations.	C. Compare how past and present United States' policy interests have changed over time and analyze the impact on future international relationships.



5.4. How International Relationships Function			
5.4.3. GRADE 3	5.4.6. GRADE 6	5.4.9. GRADE 9	5.4.12. GRADE 12
<i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i>			
D. Identify treaties and other agreements between or among nations.  E. Identify how nations work together to solve problems.	D. Describe the processes that resulted in a treaty or agreement between the United States and another nation-state.  E. Explain how nations work together on common environmental problems, natural disasters and trade.	D. Contrast how the three branches of federal government function in foreign policy.  E. Explain the development and the role of the United Nations and other international organizations, both governmental and non-governmental.	D. Explain how foreign policy is developed and implemented.  E. Compare the purposes and functions of international organizations. • Governmental (e.g., NATO, World Court, OAS) • Nongovernmental (e.g., International Red Cross, Amnesty International, World Council of Churches)

### XV. GLOSSARY

<b>Amendment (Constitutional):</b>	Changes in, or additions to, a constitution. Proposed by a two-thirds vote of both houses of Congress or by a convention called by Congress at the request of two-thirds of the state legislatures. Ratified by approval of three-fourths of the state.
<b>Articles of Confederation:</b>	First framework of government of the United States, 1781. Created a weak national government, replaced in 1789 by the Constitution of the United States.
<b>Authority:</b>	Right to control or direct the actions of others, legitimized by law, morality, custom or consent.
<b>Autocracy:</b>	A government in which one person possesses unlimited power.
<b>Bill of Rights:</b>	First Ten Amendments to the Constitution. Ratified in 1791, these amendments limit government power and protect basic rights and liberties of individuals.
<b>Caucuses:</b>	A private meeting of members of a political party to plan action or to select delegates for a nominating convention. The term also refers to distinct groups, either official or unofficial, in Congress, as in the black caucus in the House of Representatives.
<b>Checks and balances:</b>	Constitutional mechanisms that authorize each branch of government to share powers with the other branches and thereby check their activities. For example, the president may veto legislation passed by Congress, the Senate must confirm major executive appointments and the courts may declare acts of Congress unconstitutional.
<b>Citizen:</b>	Member of a political society who therefore owes allegiance to and is entitled to protection by and from the government.
<b>Citizenship:</b>	Status of being a member of a state; one who owes allegiance to the government and is entitled to protection by and from the government.
<b>Civic life:</b>	A manner of existence of an individual concerned with the affairs of communities and the common good rather than solely in pursuit of private and personal interests.
<b>Civic responsibilities:</b>	Obligation of citizens to take part in the governance of the school, community, tribe, state or nation.
<b>Civil disobedience:</b>	Refusal to obey laws. This tactic is usually passive and nonviolent, aimed at bringing injustices to the attention of lawmakers and the public at large. An example of civil disobedience was the American Civil Rights Movement in the 1950s and 1960s.
<b>Civil rights:</b>	Protections and privileges given to all United States citizens by the Constitution and Bill of Rights.
<b>Civil society:</b>	The spheres of voluntary individual, social and economic relationships and organizations that although limited by law are not part of governmental institutions.
<b>Classical republicanism:</b>	Refers to government that seeks the public or common good rather than the good of a particular group or class of society.
<b>Common or public good:</b>	Benefit or interest of a politically organized society as a whole.
<b>Confederal:</b>	Relating to a league of independent states.

<b>Constitutional government:</b>	A form of authority in which a legal structure details the powers available to each branch of government and the rights of the individual in relation to the government. Any action by government that is not in accord with the Constitution is considered illegitimate.
<b>Democracy:</b>	Form of government in which political control is exercised by the people, either directly or through their elected representatives.
<b>Diplomacy:</b>	The art and practice of conducting negotiations between nations.
<b>Direct democracy:</b>	Form of government in which the people completely exercise political decisions.
<b>Diversity:</b>	State of being different; variety.
<b>Documents of government:</b>	Papers necessary for the organization and powers of government.
<b>Double jeopardy:</b>	A concept established by law that says a person cannot be tried twice for the same offense. It is part of the Fifth Amendment, which states that "no person shall . . . be subject for the same offense to be twice put in jeopardy of life or limb."
<b>Due process of law:</b>	Right of every citizen to be protected against arbitrary action by government.
<b>Economic rights:</b>	Financial choices and privileges that individuals may select without government prohibition. Economic rights would include: right to own property, change employment, operate a business and join a labor union.
<b>Electoral College:</b>	The group of presidential electors that casts the official votes for president after the presidential election. Each state has a number of electors equal to the total of its members in the Senate and House of Representatives.
<b>Enumerated powers:</b>	Powers that are specifically granted to Congress by Article I, Section 8 of the Constitution.
<b>Equal protection:</b>	An idea that no individual or group may receive special privileges from nor be unjustly discriminated against by the political authority of the legal system.
<b>Equality:</b>	The condition of possessing substantially the same rights, privileges and immunities, and being substantially responsible for the same duties as other members of society.
<b>Federal Supremacy Clause:</b>	Article VI of the Constitution provides that the Constitution and all federal laws and treaties shall be the "Supreme Law of the Land." Therefore, all federal laws take precedence over state and local laws.
<b>Federal system (or Federalism):</b>	Form of political organization in which governmental power is divided between a central government and territorial subdivisions (e.g., in the United States—the national, state and local governments).
<b>Federalism:</b>	The distribution of power in a government between a central authority and states and the distribution of power among states with most powers retained by central government.
<b>Foreign Policy:</b>	Actions of the federal government directed to matters beyond United States' borders, especially relations with other countries.
<b>Government:</b>	Institutions and procedures through which a territory and its people are ruled.
<b>Habeas Corpus:</b>	Court order demanding that the individual in custody be brought into court and shown the cause for detention. Habeas corpus is guaranteed by the Constitution and can be suspended only in the case of rebellion or invasion.
<b>Individual responsibility:</b>	Fulfilling the moral and legal obligations of membership in society.
<b>Individual rights:</b>	Just claims due a person by law, morality or tradition as opposed to those due to groups.
<b>Interest group:</b>	Organized body of individuals who share same goals and try to influence public policy to meet those goals.
<b>International organizations:</b>	Groups formed by nation-states to achieve common political, social or economic goals.
<b>Judicial Review:</b>	Doctrine that permits the federal courts to declare unconstitutional, and thus null and void, acts of the Congress, the executive branch and the states. The precedent for judicial review was established in the 1803 case of <i>Marbury v. Madison</i> .
<b>Justice:</b>	That which may be obtained through fair distribution of benefits and burdens, fair correction of wrongs and injuries, or use of fair procedures in gathering information and making decisions.
<b>Leadership:</b>	State or condition of one who guides or governs.
<b>Liberal Democracy:</b>	Government that recognizes that the individual has rights that exist independently of government and which ought to be protected by and against government.
<b>Liberty:</b>	Freedom from restraint under conditions essential to the equal enjoyment of the same right by others.

<b>Limited government:</b>	A legal structure where officials in authority do not have enormous power. The Constitution of the United States limits government through methods of checks and balances.
<b>Majority rule:</b>	Decision by more than half of those participating in the decision-making process.
<b>Minority rights:</b>	Opportunities that a member is entitled to have, or to receive from others within the limits of the law, even though he/she may not be part of the controlling group.
<b>Nation-state:</b>	Divisions of the world in which each state claims sovereignty over defined territory and jurisdiction over everyone within it. These states interact using diplomacy, formal agreements and sanctions that may be peaceful or may involve the use of force.
<b>NATO:</b>	North Atlantic Treaty Organization, an international transatlantic partnership consisting of various European states, the United States and Canada, which was designed through cooperation, consultation and collective defense to maintain peace and promote stability throughout Europe.
<b>Non-governmental organization:</b>	A group in a free society that is not a part of any government institution and does not derive its power from government.
<b>OAS:</b>	Organization of American States, an international governmental organization formed by the states of North and South America for security and the protection of mutual interests.
<b>Oligarchy:</b>	A government in which a small group exercises control. These systems are usually based on wealth, military power or social position.
<b>Patriotism:</b>	A feeling of pride in and respect for one's country.
<b>Personal rights:</b>	Private legal privileges and decisions that individuals are free to participate in without intervention from government. Personal rights would include the right to vote, petition, assemble, and seek public office.
<b>Political party:</b>	Any group, however loosely organized, that seeks to elect government officials under a given label.
<b>Political rights:</b>	Legal claims by citizens to participate in government and be treated fairly. Political rights would include the right to vote, petition, assemble, and seek public office.
<b>Popular sovereignty:</b>	The concept that ultimate political authority rests with the people to create, alter or abolish governments.
<b>Presumption of innocence:</b>	The legal concept that a criminal defendant is not guilty until the prosecution proves every element of the crime, beyond a reasonable doubt.
<b>Privacy:</b>	The right to be left alone; the right of an individual to withhold one's self and one's property from public scrutiny if one so chooses.
<b>Public service:</b>	Action of benefit to local, state or national communities through appointed or elected office.
<b>Representative Democracy:</b>	Form of government in which power is held by the voters and is exercised indirectly through elected representatives who make decisions.
<b>Republic:</b>	Form of government in which political control is exercised through elected representatives.
<b>Republican form of government:</b>	System of government in which power is held by the voters and is exercised by elected representatives responsible for promoting the common welfare.
<b>Right against self-incrimination:</b>	Individual right found in the Fifth Amendment to the United States Constitution that prevents an individual from being forced to testify against himself or herself.
<b>Right of appeal:</b>	The right to seek review by a superior court of an injustice done or error committed by an inferior court, whose judgment or decision the court above is called upon to correct or reverse.
<b>Right to counsel:</b>	Individual right found in the Sixth Amendment to the Constitution that requires criminal defendants to have access to legal representation.
<b>Rule of Law:</b>	Principle that every member of a society, even a ruler, must follow the law.
<b>Separation of powers:</b>	Distribution among the branches of government to ensure that the same person or group will not make the law, enforce the law and interpret the law.
<b>State:</b>	A commonwealth; a nation; a civil power.
<b>Treaty:</b>	Formal agreement between or among sovereign nations to create or restrict rights and responsibilities. In the United States all treaties must be approved by a two-thirds vote in the Senate.
<b>Trial by jury:</b>	Individual right found in the Sixth and Seventh Amendment of the Constitution that guarantees a person an impartial jury.
<b>Truth:</b>	Agreement of thought and reality that can eventually be verified.

- Unitary government:** An authoritative system in which all regulatory power is vested in a central government from which regional and local governments derive their powers (e.g., Great Britain and France as well as the American states within their spheres of authority).
- United Nations:** International organization comprising most of the nation-states of the world. It was formed in 1945 to promote peace, security and economic development.
- Unlimited government:** A legal structure where officials in authority have unrestricted power. Examples of unlimited governments would be authoritarian or totalitarian systems without restraints on their power.
- World Court:** Court in the Hague, the Netherlands, set up by the United Nations treaty to which nations may voluntarily submit disputes.

**Academic Standards for Economics**

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**XVII. INTRODUCTION**

This document includes Academic Standards for Economics that describe what students should know and be able to do in five areas:

- 6.1. Economic Systems
- 6.2. Markets and the Functions of Governments
- 6.3. Scarcity and Choice
- 6.4. Economic Interdependence
- 6.5. Work and Earnings

The Economic Standards describe what students should know and be able to do at four grade levels (third, sixth, ninth and twelfth). They reflect the increasing complexity and sophistication that students are expected to achieve as they progress through school. This document attempts to avoid repetition and makes obvious progression across grade levels. Topics and concepts in Economics directly relate to Environment and Ecology Standard 4.2 and Geography Standard 7.3. As a social science, Economics Standards should be Cross-Walked and related to the Civics and Government, Geography and History Standards to create an interdisciplinary view of the world.

Economics is concerned with the behavior of individuals and institutions engaged in the production, exchange and consumption of goods and services. As technology helps to reshape the economy, knowledge of how the world works is critical. People entering the workforce cannot function effectively without a basic knowledge of the characteristics of economic systems, how markets establish prices, how scarcity and choice affect the allocation of resources, the global nature of economic interdependence and how work and earnings impact productivity.

A Pennsylvania governor remarked, “Among the freedoms we enjoy in America in our pursuit of happiness is the freedom to be independent, creative, visionary and entrepreneurial. We are free to pursue dreams...” To succeed, however, every student must know how to manage resources, prepare for the workforce, make wise investments and be informed about public policy. These standards are intended to provide direction in learning how economic activity impacts the forces of everyday life.

The academic standards for Economics consist of five standard categories (designated as 6.1., 6.2., 6.3., 6.4. and 6.5.). Each category has a number of standards statements designated by a capital letter. Some standard statements have bulleted items known as standard descriptors. The standard descriptors are items within the document to illustrate and enhance the standard statement. The categories, statements and descriptors are regulations. The descriptors may be followed by an “e.g.” The “e.g.’s” are examples to clarify what type of information could be taught. These are suggestions and the

choice of specific content is a local decision as is the method of instruction.

Economics along with Civics and Government, Geography, and History are identified as Social Studies in Chapter 4. This identification is consistent with citizenship education in Chapter 49 and Chapter 354. Based on

these regulations, social studies/citizenship programs should include four sets of standards as an entity in developing a scope and sequence for curriculum and planned instruction.

A glossary is included to assist the reader in clarifying terminology contained in the standards.

<b>6.1. Economic Systems</b>			
<b>6.1.3. GRADE 3</b>	<b>6.1.6. GRADE 6</b>	<b>6.1.9. GRADE 9</b>	<b>6.1.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>A. Describe how individuals, families and communities with limited resources make choices.</p> <p>B. Describe alternative methods of allocating goods and services and advantages and disadvantages of each.</p> <p>C. Identify local economic activities.</p> <ul style="list-style-type: none"> <li>• Employment</li> <li>• Output</li> </ul> <p>D. Identify examples of local businesses opening, closing, expanding or contracting.</p>	<p>A. Describe and identify the characteristics of traditional, command and market systems.</p> <p>B. Explain the three basic questions that all economic systems attempt to answer.</p> <ul style="list-style-type: none"> <li>• What goods and services should be produced?</li> <li>• How will goods and services be produced?</li> <li>• Who will consume goods and services?</li> </ul> <p>C. Define measures of economic activity and relate them to the health of the economy.</p> <ul style="list-style-type: none"> <li>• Prices</li> <li>• Employment</li> <li>• Output</li> </ul> <p>D. Explain the importance of expansion and contraction on individual businesses (e.g., gourmet food shops, auto repair shops, ski resorts).</p>	<p>A. Analyze the similarities and differences in economic systems.</p> <p>B. Explain how traditional, command and market economies answer the basic economic questions.</p> <p>C. Explain how economic indicators reflect changes in the economy.</p> <ul style="list-style-type: none"> <li>• Consumer Price Index (CPI)</li> <li>• Gross Domestic Product (GDP)</li> <li>• Unemployment rate</li> </ul> <p>D. Describe historical examples of expansion, recession and depression in the United States.</p>	<p>A. Evaluate the strengths and weaknesses of traditional, command and market economics.</p> <p>B. Analyze the impact of traditional, command and market economies on the United States economy.</p> <p>C. Assess the strength of the regional, national and/or international economy and compare it to another time period based upon economic indicators.</p> <p>D. Describe historical examples of expansion, recession, and depression internationally.</p>
<b>6.2. Markets and the Functions of Governments</b>			
<b>6.2.3. GRADE 3</b>	<b>6.2.6. GRADE 6</b>	<b>6.2.9. GRADE 9</b>	<b>6.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>A. Define and identify goods, services, consumers and producers.</p> <p>B. Identify ways local businesses compete to get customers.</p> <p>C. Identify and compare means of payment.</p> <ul style="list-style-type: none"> <li>• Barter</li> <li>• Money</li> </ul>	<p>A. Describe market transactions in terms of goods, services, consumers and producers.</p> <p>B. Describe the costs and benefits of competition to consumers in markets.</p> <p>C. Explain the function of money and its use in society.</p>	<p>A. Explain the flow of goods, services and resources in a mixed economy.</p> <p>B. Analyze how the number of consumers and producers affects the level of competition within a market.</p> <p>C. Explain the structure and purpose of the Federal Reserve System.</p>	<p>A. Analyze the flows of products, resources and money in a mixed economy.</p> <p>B. Evaluate the operation of noncompetitive markets.</p> <p>C. Analyze policies designed to raise or lower interest rates and how the Federal Reserve Board influences interest rates.</p>

<b>6.2. Markets and the Functions of Governments</b>			
<b>6.2.3. GRADE 3</b>	<b>6.2.6. GRADE 6</b>	<b>6.2.9. GRADE 9</b>	<b>6.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i></b>			
D. Identify groups of competing producers in the local area.	D. Define economic institutions (e.g., banks, labor unions).	D. Analyze the functions of economic institutions (e.g., corporations, not-for-profit institutions).	D. Evaluate changes in economic institutions over time (e.g. stock markets, nongovernment organizations).
E. Identify who supplies a product and who demands a product.	E. Explain how the interaction of buyers and sellers determines prices and quantities exchanged.	E. Explain the laws of supply and demand and how these affect the prices of goods and services.	E. Predict how changes in supply and demand affect equilibrium price and quantity sold.
F. Define price and identify the prices of different items.	F. Describe how prices influence both buyers and sellers and explain why prices may vary for similar products.	F. Analyze how competition among producers and consumers affects price, costs, product quality, service, product design and variety and advertising.	F. Identify and analyze forces that can change price. <ul style="list-style-type: none"> <li>• Government actions</li> <li>• Weather conditions</li> <li>• International events</li> </ul>
G. Define what a tax is and identify a tax paid by most families.	G. Explain how taxes affect the price of goods and services.	G. Contrast the largest sources of tax revenue with where most tax revenue is spent in Pennsylvania.	G. Evaluate types of tax systems. <ul style="list-style-type: none"> <li>• Progressive</li> <li>• Proportional</li> <li>• Regressive</li> </ul>
H. Identify government involvement in local economic activities.	H. Describe the Pennsylvania and United States governments' roles in monitoring economic activities.	H. Analyze the economic roles of governments in market economies. <ul style="list-style-type: none"> <li>• Economic growth and stability</li> <li>• Legal frameworks</li> <li>• Other economic goals (e.g., environmental protection, competition)</li> </ul>	H. Evaluate the economic roles of governments. <ul style="list-style-type: none"> <li>• Macroeconomics (e.g., tariffs and quotas, exchange rates, trade balance)</li> <li>• Microeconomics (e.g., price controls, monopolies, cartels)</li> </ul>
I. Identify goods and services produced by the government (e.g., postal service, food inspection).	I. Identify and describe public goods.	I. Explain how government provides public goods.	I. Evaluate government decisions to provide public goods.
J. Explain the relationship between taxation and government services.	J. Explain the cost and benefits of taxation.	J. Contrast the taxation policies of the local, state and national governments in the economy.	J. Evaluate the social, political and economic changes in tax policy using cost/benefit analysis.
K. Identify forms of advertising designed to influence personal choice.	K. Explain how advertisements influence perceptions of the costs and benefits of economic decisions.	K. Interpret how media reports can influence perceptions of the costs and benefits of decisions.	K. Analyze the impact of media on decision-making of consumers, producers and policymakers.
L. Explain why most countries create their own form of money.	L. Explain what an exchange rate is.	L. Explain how the price of one currency is related to the price of another currency (e.g., Japanese yen in American dollar, Canadian dollar in Mexican nuevo peso).	L. Analyze how policies and international events may change exchange rates.

<b>6.3. Scarcity and Choice</b>			
<b>6.3.3. GRADE 3</b>	<b>6.3.6. GRADE 6</b>	<b>6.3.9. GRADE 9</b>	<b>6.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i></b>			
A. Define scarcity and identify limited resources scarcity.	A. Explain how scarcity influences choices and behaviors. <ul style="list-style-type: none"> <li>• Personal decision-making</li> <li>• Family decision-making</li> <li>• Community decision-making</li> </ul>	A. Describe ways to deal with scarcity. <ul style="list-style-type: none"> <li>• Community</li> <li>• Pennsylvania</li> <li>• United States</li> </ul>	A. Analyze actions taken as a result of scarcity issues in the regional, national and international economies.
B. Define and identify wants of different people.	B. Explain how limited resources and unlimited wants cause scarcity.	B. Analyze how unlimited wants and limited resources affect decision-making.	B. Evaluate the economic reasoning behind a choice.
C. Identify and define natural, human and capital resources.	C. Describe the natural, human and capital resources used to produce a specific good or service.	C. Explain how resources can be used in different ways to produce different goods and services.	C. Evaluate the allocation of resources used to produce goods and services.
D. Identify costs and benefits associated with an economic decision.	D. Explain the costs and benefits of an economic decision.	D. Explain marginal analysis and decision-making.	D. Evaluate regional, national or international economic decisions using marginal analysis.
E. Explain what is given up when making a choice.	E. Define opportunity cost and describe the opportunity cost of a personal choice.	E. Explain the opportunity cost of a public choice from different perspectives.	E. Analyze the opportunity cost of decisions by individuals, businesses, communities and nations.
F. Explain how self interest influences choice.	F. Explain how negative and positive incentives affect choices.	F. Explain how incentives affect the behaviors of workers, savers, consumers and producers.	F. Evaluate in terms of marginal analysis how incentives influence decisions of consumers, producers and policy makers.

<b>6.4. Economic Interdependence</b>			
<b>6.4.3. GRADE 3</b>	<b>6.4.6. GRADE 6</b>	<b>6.4.9. GRADE 9</b>	<b>6.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i></b>			
A. Define specialization and the concept of division of labor.	A. Explain the advantages and disadvantages of specialization and division of labor.	A. Explain why specialization may lead to increased production and consumption.	A. Analyze how specialization may increase the standard of living.
B. Explain why people trade.	B. Explain how specialization leads to more trade between people and nations.	B. Explain how trade may improve a society's standard of living.	B. Analyze the relationships between trade, competition and productivity.
C. Explain why goods, services and resources come from all over the nation and the world.	C. Identify and define imports, exports, inter-regional trade and international trade.	C. Explain why governments sometimes restrict or subsidize trade.	C. Evaluate how a nation might benefit by lowering or removing trade barriers.

<b>6.4. Economic Interdependence</b>			
<b>6.4.3. GRADE 3</b>	<b>6.4.6. GRADE 6</b>	<b>6.4.9. GRADE 9</b>	<b>6.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i></b>			
<p>D. Identify local resources.</p> <ul style="list-style-type: none"> <li>• Natural (renewable, nonrenewable and flow resources)</li> <li>• Human</li> <li>• Capital</li> </ul> <p>E. Define specialization and identify examples of interdependence.</p> <p>F. Explain why some products are produced locally while others are not.</p> <p>G. Identify local geographic patterns of economic activities.</p> <ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Travel and tourism</li> <li>• Mining and mineral extraction</li> <li>• Manufacturing</li> <li>• Wholesale and retail</li> <li>• Health services</li> </ul>	<p>D. Explain how the locations of resources, transportation and communication networks and technology have affected Pennsylvania economic patterns.</p> <ul style="list-style-type: none"> <li>• Agriculture (e.g., farms)</li> <li>• Forestry (e.g., logging)</li> <li>• Mining and mineral extraction (e.g., coal fields)</li> <li>• Manufacturing (e.g., steel mills)</li> <li>• Wholesale and retail (e.g., super stores, internet)</li> </ul> <p>E. Explain how specialization and trade lead to interdependence.</p> <p>F. Explain how opportunity costs influence where goods and services are produced locally and regionally.</p> <p>G. Describe geographic patterns of economic activities in Pennsylvania.</p> <ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Travel and tourism</li> <li>• Mining and mineral extraction</li> <li>• Manufacturing</li> <li>• Wholesale and retail</li> <li>• Health services</li> </ul>	<p>D. Explain how the locations of resources, transportation and communication networks and technology have affected United States economic patterns.</p> <ul style="list-style-type: none"> <li>• Labor markets (e.g., migrant workers)</li> <li>• Interstate highway system and sea and inland ports (e.g., movement of goods)</li> <li>• Communication technologies (e.g., facsimile transmission, satellite-based communications)</li> </ul> <p>E. Analyze how Pennsylvania consumers and producers participate in the global production and consumption of goods or services.</p> <p>F. Explain how opportunity cost can be used to determine the product for which a nation has a comparative advantage.</p> <p>G. Describe geographic patterns of economic activities in the United States.</p> <ul style="list-style-type: none"> <li>• Primary—extractive industries (i.e., farming, fishing, forestry, mining)</li> <li>• Secondary—materials processing industries (i.e., manufacturing)</li> <li>• Tertiary—service industries (e.g., retailing, wholesaling, finance, real estate, travel and tourism, transportation)</li> </ul>	<p>D. Explain how the locations of resources, transportation and communication networks and technology have affected international economic patterns.</p> <p>E. Analyze how United States consumers and producers participate in the global production and consumption of goods or services.</p> <p>F. Evaluate how trade is influenced by comparative advantage and opportunity costs.</p> <p>G. Evaluate characteristics and distribution of international economic activities.</p> <ul style="list-style-type: none"> <li>• Primary—extractive industries (i.e., farming, fishing, forestry, mining)</li> <li>• Secondary—materials processing industries (i.e., manufacturing)</li> <li>• Tertiary—service industries (e.g., retailing, wholesaling, finance, real estate, travel and tourism, transportation)</li> </ul>

<b>6.5. Work and Earnings</b>			
<b>6.5.3. GRADE 3</b>	<b>6.5.6. GRADE 6</b>	<b>6.5.9. GRADE 9</b>	<b>6.5.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i></b>			
<p>A. Explain why people work to get goods and services.</p>	<p>A. Recognize that the availability of goods and services is the result of work by members of the society.</p>	<p>A. Define wages and explain how wages are determined by the supply of and demand of workers.</p>	<p>A. Analyze the factors influencing wages.</p> <ul style="list-style-type: none"> <li>• Demand for goods and services produced</li> <li>• Labor unions</li> <li>• Productivity</li> <li>• Education/skills</li> </ul>



<b>6.5. Work and Earnings</b>			
<b>6.5.3. GRADE 3</b>	<b>6.5.6. GRADE 6</b>	<b>6.5.9. GRADE 9</b>	<b>6.5.12. GRADE 12</b>
<i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i>			
<p>B. Identify different occupations.</p> <p>C. Describe businesses that provide goods and businesses that provide services.</p> <p>D. Define profit and loss.</p> <p>E. Identify examples of assets.</p> <ul style="list-style-type: none"> <li>• Tangible (e.g., houses, cars, jewelry)</li> <li>• Financial assets (e.g., stocks, bonds, savings accounts)</li> </ul> <p>F. Define entrepreneurship and identify entrepreneurs in the local community.</p> <p>G. Define saving and explain why people save.</p> <p>H. Explain how banks bring savers and borrowers together.</p>	<p>B. Explain the concept of labor productivity.</p> <p>C. Compare the number of employees at different businesses.</p> <p>D. Explain how profits and losses serve as incentives.</p> <p>E. Describe how people accumulate tangible and financial assets through income, saving, and financial investment.</p> <p>F. Identify entrepreneurs in Pennsylvania.</p> <ul style="list-style-type: none"> <li>• Historical</li> <li>• Contemporary</li> </ul> <p>G. Identify the costs and benefits of saving.</p> <ul style="list-style-type: none"> <li>• Piggy banks</li> <li>• Savings accounts</li> <li>• U.S. Savings Bonds</li> </ul> <p>H. Describe why there is a difference between interest rates for saving and borrowing.</p>	<p>B. Describe how productivity is measured and identify ways in which a person can improve his or her productivity.</p> <p>C. Identify and explain the characteristics of the three types of businesses.</p> <ul style="list-style-type: none"> <li>• Sole Proprietorship</li> <li>• Partnership</li> <li>• Corporation</li> </ul> <p>D. Analyze how risks influence business decision-making</p> <p>E. Define wealth and describe its distribution within and among the political divisions of the United States.</p> <p>F. Identify leading entrepreneurs in Pennsylvania and the United States and describe the risks they took and the rewards they received.</p> <p>G. Explain the differences among stocks, bonds and mutual funds.</p> <p>H. Explain the impact of higher or lower interest rates for savers, borrowers, consumers and producers.</p>	<p>B. Evaluate how changes in education, incentives, technology and capital investment alter productivity.</p> <p>C. Analyze the costs and benefits of organizing a business as a sole proprietorship, partnership or corporation.</p> <p>D. Analyze the role of profits and losses in the allocation of resources in a market economy.</p> <p>E. Compare distribution of wealth across nations.</p> <p>F. Assess the impact of entrepreneurs on the economy.</p> <p>G. Analyze the risks and returns of various investments.</p> <ul style="list-style-type: none"> <li>• Stocks</li> <li>• Bonds</li> <li>• Mutual funds</li> <li>• Savings bonds</li> <li>• Retirement savings (e.g., Individual Retirement Account (IRA), Keogh, 401K)</li> <li>• Savings accounts (e.g., passbook, certificate of deposit)</li> </ul> <p>H. Evaluate benefits and costs of changes in interest rates to individuals and society.</p>

### XVIII. GLOSSARY

<b>Barter:</b>	The direct exchange of goods or services between people.
<b>Bond:</b>	A financial promise for an investment issued by a corporation or government with regular interest payments and repayment at a later date.
<b>Capital resources:</b>	The physical equipment used in the production of goods and services.
<b>Cartels:</b>	A group of sellers acting together in the market.

<b>Circular flow:</b>	The movement of resources, goods, and services through an economy. As a diagram, it can show how households and business firms interact with each other in the product and resource markets.
<b>Command economy:</b>	A system in which decisions are made largely by an authority such as a feudal lord or government planning agency.
<b>Comparative advantage:</b>	Economic theory that a country/individual should sell goods and services which it can produce at relatively lower costs and buy goods and services which it can produce at relatively higher costs.
<b>Competition:</b>	The rivalry among people and/or business firms for resources and/or consumers.
<b>Consumer:</b>	One who buys or rents goods or services and uses them.
<b>Consumer Price Index:</b>	The price index most commonly used to measure the impact of changes in prices on households; this index is based on a standard market basket of goods and services purchased by a typical urban family.
<b>Corporation:</b>	A business firm that is owned by stockholders and is a legal entity with rights to buy, sell and make contracts. Its chief advantage is that each owner's liability is limited to the amount of money he or she has invested in the company.
<b>Cost:</b>	What is given up when a choice is made; monetary and/or non monetary.
<b>Cost/benefit analysis:</b>	The process of weighing all predicted costs against the predicted benefits of an economic choice.
<b>Deflation:</b>	A general decline in the price level.
<b>Demand:</b>	The different quantities of a resource, good or service that potential buyers are willing and able to purchase at various possible prices during a specific time period.
<b>Depression:</b>	A severe recession in terms of magnitude or length, or both.
<b>Division of labor:</b>	A method of organizing production whereby each worker specializes in part of the productive process.
<b>Economic growth:</b>	An increase in a society's output.
<b>Economic systems:</b>	The ways societies organize to determine what goods and services should be produced, how goods and services should be produced and who will consume goods and services. Examples include traditional, command and market.
<b>Economics:</b>	The study of the behavior of individuals and institutions engaged in the production, distribution and consumption of goods and services.
<b>Entrepreneur:</b>	Individual who begins, manages and bears the risks of a business (e.g., Milton Hershey, F.W. Woolworth).
<b>Equilibrium price:</b>	The outlay at which quantity demanded equals quantity supplied; market clearing price.
<b>Exchange rate:</b>	The price of one country's currency measured in terms of another country's currency (e.g., American dollar in German mark, Japanese yen in Canadian dollar).
<b>Federal Reserve System:</b>	The "Central Bank" of the United States (consisting of the Board of Governors and 12 district banks) which controls monetary policy; sometimes referred to as "The Fed" or Federal Reserve.
<b>Fiscal policy:</b>	Government decisions on taxation and spending to achieve economic goals.
<b>Flow resources:</b>	Temporal energy forces that are neither renewable nor nonrenewable, but must be used as, when and where they occur or they are lost (e.g., wind, sunlight).
<b>Gross Domestic Product:</b>	The market value of the total output of final goods and services produced by an economy in a given time period, usually 1 year.
<b>Goods:</b>	Objects that can satisfy people's wants.
<b>Household:</b>	The group of people living together under one roof; a group of individuals whose economic decision making is interrelated.
<b>Human resources:</b>	People's intellectual and physical abilities.
<b>Incentives:</b>	Factors that motivate or influence human behavior.
<b>Income:</b>	Payments earned by people in exchange for providing resources used to produce goods and services.
<b>Inflation:</b>	A general rise in the price level.
<b>Interdependence:</b>	Ideas, goods and services in one area affect decisions and events in other areas reducing self-sufficiency.

<b>Interest:</b>	Payment made for the use of borrowed money.
<b>Interest rate:</b>	The price of borrowed money.
<b>Labor force:</b>	That part of the population which is employed or actively seeking employment.
<b>Labor union:</b>	An organization of workers who seek to improve their common interests.
<b>Labor productivity:</b>	The total output divided by the quantity of labor employed to produce it.
<b>Law of demand:</b>	The lower the price of a good or service, the greater the quantity that people will buy, all else held constant (e.g., incomes, tastes).
<b>Law of supply:</b>	The higher the price of a good or service, the greater the quantity that business will sell, all else held constant (e.g., resource costs, technology).
<b>Loss:</b>	The difference that arises when a firm's total revenues are less than its total costs.
<b>Macroeconomics:</b>	Study of aggregate economic activity including how the economy works as a whole. Seeks to identify levels of National income, output, employment and prices.
<b>Marginal analysis:</b>	A decision making tool that weighs additional costs and benefits.
<b>Market:</b>	A place or process through which goods and services are exchanged.
<b>Market economy:</b>	An economic system in which decisions are made largely by the interactions of buyers and sellers.
<b>Microeconomics:</b>	Study of the behaviors of consumers, firms and determination of the market prices.
<b>Mixed economy:</b>	An economic system in which decisions are made by markets, government and tradition.
<b>Monetary policy:</b>	Government decisions on money supply and interest rates to achieve economic goals.
<b>Money:</b>	A medium of exchange.
<b>Money supply:</b>	The amount of liquid assets which exists in the economy at a given time (e.g., currency, checkable deposits, travelers' checks).
<b>Mutual fund:</b>	An investment option that uses cash from a pool of savers to buy a wide range of securities.
<b>Natural resources:</b>	Anything found in nature that can be used to produce a product (e.g., land, water, coal).
<b>Nonrenewable resources:</b>	Finite elements that cannot be replaced once they are used (e.g., petroleum, minerals).
<b>Opportunity cost:</b>	The highest valued alternative given up when a decision is made.
<b>Output:</b>	The total amount of a commodity produced.
<b>Partnership:</b>	A business in which ownership is shared by two or more people who receive all the profits and rewards and bear all the losses and risks.
<b>Price:</b>	The amount people pay in exchange for unit of a particular good or service.
<b>Price control:</b>	Government restraint of prices to keep the cost of living down. It most usually happens in time of war, but there are also instances in peacetime.
<b>Price index:</b>	A measure of the average level of costs at one time compared to the average level of costs at another time.
<b>Producer:</b>	One who makes goods or services.
<b>Productivity:</b>	Amount of output per unit of input over a period of time. It is used to measure the efficiency with which inputs can be used.
<b>Profit:</b>	Total revenue minus total costs.
<b>Progressive tax:</b>	A levy for which the percentage of income used to pay the levy increases as the taxpayer's income increases.
<b>Proportional tax:</b>	A levy for which the percentage of income used to pay the levy remains the same as the taxpayer's income increases.
<b>Public goods:</b>	Goods and services provided by the government rather than by the private sector. Goods and services that more than one person can use without necessarily preventing others from using them.
<b>Public policy:</b>	A government's course of action that guides present and future decisions.
<b>Quantity demanded:</b>	The amount of a good or service people are willing and able to purchase at a given price during a specific time period.
<b>Quantity supplied:</b>	The amount of a good or service people are willing and able to sell at a given price during a specific time period.
<b>Quota:</b>	A form of import protectionism where the total quantity of imports of a particular commodity is limited.

<b>Recession:</b>	A contraction in National production that lasts 6 months or longer. A recession might be marked by job layoffs and high unemployment, stagnant wages, reductions in retail sales and slowing of housing and car markets.
<b>Regressive tax:</b>	A levy for which the percentage of income used to pay the levy decreases as the taxpayer's income increases.
<b>Renewable resources:</b>	Substances that can be regenerated if used carefully (e.g., fish, timber).
<b>Resources:</b>	Inputs used to produce goods and services; categories include natural, human and capital.
<b>Scarcity:</b>	An economic condition that exists when demand is greater than supply.
<b>Services:</b>	Actions that are valued by others.
<b>Sole proprietorship:</b>	A business owned by an individual who receives all the profits and rewards and bears all the losses and risks.
<b>Specialization:</b>	A form of division of labor in which each individual or firm concentrates its productive efforts on a single or limited number of activities.
<b>Standard of living:</b>	A measurement of an individual's quality of life. A larger consumption of goods, services, and leisure is often assumed to indicate a higher standard of living.
<b>Stock:</b>	A certificate representing a share of ownership in a company.
<b>Supply:</b>	The different quantities of a resource, good or service that potential sellers are willing and able to sell at various possible prices during a specific time period.
<b>Tariff:</b>	A surcharge placed on imported goods and services. The purpose of a tariff is to protect domestic products from foreign competition.
<b>Tertiary:</b>	The third level of economic activity. It includes service and service-related industries.
<b>Trade:</b>	Voluntary exchange between two parties in which both parties benefit.
<b>Trade balance:</b>	The payments of a nation that deal with merchandise imports or exports.
<b>Traditional economy:</b>	An economic system in which decisions are made largely by repeating the actions from an earlier time or generation.
<b>Unemployment rate:</b>	The percentage of the labor force that is actively seeking employment.
<b>Wants:</b>	Desires that can be satisfied by consuming goods, services or leisure activities.

**Academic Standards for Geography**

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**XX. INTRODUCTION**

This document includes Academic Standards for Geography that describe what students should know and be able to do in four areas:

- 7.1. Basic Geographic Literacy

- 7.2. The Physical Characteristics of Places and Regions
- 7.3. The Human Characteristics of Places and Regions
- 7.4. The Interactions Between People and Places

The Geography Standards describe what students should know and be able to do at four grade levels (third, sixth, ninth and twelfth). They reflect the increasingly complex and sophisticated understanding of geography that students are expected to achieve as they progress through school. Throughout the standards, all grade levels must address the local-to-global progression (scales). Basic concepts found in lower grade levels must be developed more fully at higher grade levels.

Geography is the science of space and place on Earth's surface. Its subject matter is the physical and human phenomena that make up the world's environments and places. These standards build on using geographic tools as a means for asking and answering geographic questions; setting information into a range of spatial contexts; recognizing places and regions as human concepts; understanding the physical processes that have shaped Earth's surface and the patterns resulting from those processes; identifying the relationships between people and environments; recognizing the characteristics and distribution of people and cultures on Earth's surface; focusing on the spatial patterns of settlements and their resulting political structures; and exploring the networks of economic interdependence and the importance of resources.

At each grade level, instructional content should be selected to support the development of geographic understanding. In the primary grade levels (1-3), the emphasis should be on identifying the basic characteristics of the world (answering the what question); at the intermediate grade levels (4-6), the emphasis should be on describing spatial patterns of phenomena (answering the where and when questions); at the middle grade levels (7-9), the emphasis should be on explaining spatial patterns of phenomena (answering the how question); and at high school grade levels (10-12), the emphasis should be on analyzing spatial patterns of phenomena (answering the why question). Although the emphasis may focus on specific questions, these questions may be encountered at any grade level.

Geography is an integrative discipline that enables students to apply geography skills and knowledge to life situations at home, at work and in the community. Therefore, these standards should be cross-walked with those in Civics and Government, Economics and History to create an interdisciplinary view of the world. Topics and concepts in geography directly relate to standard statements in Environment and Ecology, Economics, Mathematics, Science and Technology and Civics and Government.

Teachers should employ the Five Fundamental Themes of Geography while proceeding through the Academic Standards for Geography. The relationship between the themes and the standards is clear. The standards describe what students should know and be able to do while the themes provide a clear conceptual basis for teachers and students to use in organizing their knowledge.

These are the Five Fundamental Themes of Geography:

<i>Theme</i>	<i>Description</i>
Location	The absolute and relative position of a place on Earth's surface

<i>Theme</i>	<i>Description</i>
Place	How physical and human characteristics define and distinguish a place
Human-Environment Interactions	How humans modify and adapt to natural settings
Movement	How people, ideas and materials move between and among locations
Regions	How an area displays unity in terms of physical and human characteristics

The academic standards for Geography consist of four standard categories (designated as 7.1., 7.2., 7.3., and 7.4.). Each category has two to five standard statements (designated by a capital letter). Most standard statements have bulleted items known as standard descriptors. The standard descriptors are items within the document to illustrate and enhance the standard statement. The categories, statements and descriptors are regulations. The descriptors may be followed by an "e.g." The "e.g.'s" are examples to clarify what type of information could be taught. These are suggestions and the choice of specific content is a local decision as is the method of instruction.

Geography along with Civics and Government, Economics, and History are identified as Social Studies in Chapter 4. This identification is consistent with citizenship education in Chapter 49 and Chapter 354. Based on these regulations, Social Studies/Citizenship programs should include the four sets of standards as an entity in developing a scope and sequence for curriculum and planned instruction.

A glossary is included to assist the reader in clarifying terminology contained in the standards.

<b>7.1. Basic Geographic Literacy</b>			
<b>7.1.3. GRADE 3</b>	<b>7.1.6. GRADE 6</b>	<b>7.1.9. GRADE 9</b>	<b>7.1.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>A. Identify geographic tools and their uses.</p> <ul style="list-style-type: none"> <li>• Characteristics and purposes of different geographic representations</li> <li>• Maps and basic map elements</li> <li>• Globes</li> <li>• Graphs</li> <li>• Diagrams</li> <li>• Photographs</li> <li>• Geographic representations to display spatial information</li> <li>• Sketch maps</li> <li>• Thematic maps</li> <li>• Mental maps to describe the human and physical features of the local area</li> </ul>	<p>A. Describe geographic tools and their uses.</p> <ul style="list-style-type: none"> <li>• Basis on which maps, graphs and diagrams are created</li> <li>• Aerial and other photographs</li> <li>• Reference works</li> <li>• Field observations</li> <li>• Surveys</li> <li>• Geographic representations to display spatial information</li> <li>• Absolute location</li> <li>• Relative location</li> <li>• Flows (e.g., goods, people, traffic)</li> <li>• Topography</li> <li>• Historic events</li> <li>• Mental maps to organize an understanding of the human and physical features of Pennsylvania and the home county</li> <li>• Basic spatial elements for depicting the patterns of physical and human features</li> <li>• Point, line, area, location, distance, scale</li> <li>• Map grids</li> <li>• Alpha-numeric system</li> <li>• Cardinal and intermediate directions</li> </ul>	<p>A. Explain geographic tools and their uses.</p> <ul style="list-style-type: none"> <li>• Development and use of geographic tools</li> <li>• Geographic information systems [GIS]</li> <li>• Population pyramids</li> <li>• Cartograms</li> <li>• Satellite-produced images</li> <li>• Climate graphs</li> <li>• Access to computer-based geographic data (e.g., Internet, CD-ROMs)</li> <li>• Construction of maps</li> <li>• Projections</li> <li>• Scale</li> <li>• Symbol systems</li> <li>• Level of generalization</li> <li>• Types and sources of data</li> <li>• Geographic representations to track spatial patterns</li> <li>• Weather</li> <li>• Migration</li> <li>• Environmental change (e.g., tropical forest reduction, sea-level changes)</li> <li>• Mental maps to organize and understand the human and physical features of the United States</li> </ul>	<p>A. Analyze data and issues from a spatial perspective using the appropriate geographic tools.</p> <ul style="list-style-type: none"> <li>• Spatial patterns of human features that change over time (e.g., intervening opportunity, distance decay, central place theory, locational preference)</li> <li>• Physical patterns of physical features that change over time (e.g., climate change, erosion, ecological invasion and succession)</li> <li>• Human and physical features of the world through mental maps</li> </ul>

7.1. Basic Geographic Literacy			
7.1.3. GRADE 3	7.1.6. GRADE 6	7.1.9. GRADE 9	7.1.12. GRADE 12
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>B. Identify and locate places and regions.</p> <ul style="list-style-type: none"> <li>• Physical features <ul style="list-style-type: none"> <li>• Continents and oceans</li> <li>• Major landforms, rivers and lakes in North America</li> </ul> </li> <li>• Local community</li> <li>• Human features <ul style="list-style-type: none"> <li>• Countries (i.e., United States, Mexico, Canada)</li> <li>• States (i.e., Pennsylvania, Delaware, Maryland, New Jersey, New York, Ohio, West Virginia)</li> <li>• Cities (i.e., Philadelphia, Erie, Altoona, Pittsburgh, Scranton, Harrisburg, Johnstown, Allentown, Washington D.C., Baltimore, New York, Toronto, Cleveland)</li> <li>• Local community</li> </ul> </li> <li>• Regions as areas with unifying geographic characteristics <ul style="list-style-type: none"> <li>• Physical regions (e.g., landform regions, climate regions, river basins)</li> <li>• Human regions (e.g., neighborhoods, cities, states, countries)</li> </ul> </li> </ul>	<p>B. Describe and locate places and regions.</p> <ul style="list-style-type: none"> <li>• Coordinate systems (e.g., latitude and longitude, time zones)</li> <li>• Physical features <ul style="list-style-type: none"> <li>• In the United States (e.g., Great Lakes, Rocky Mountains, Great Plains)</li> <li>• In Pennsylvania (e.g., Coastal Plain, Piedmont, Appalachians)</li> </ul> </li> <li>• Human features <ul style="list-style-type: none"> <li>• Countries (e.g., United Kingdom, Argentina, Egypt)</li> <li>• Provinces (e.g., Ontario, Quebec, Nova Scotia)</li> <li>• Major human regions (e.g., Mid Atlantic, New England, Southwest)</li> <li>• States (e.g., California, Massachusetts, Florida)</li> <li>• Major cities (e.g., London, Los Angeles, Tokyo)</li> <li>• Counties (e.g., Lancaster, Lackawanna, Jefferson)</li> <li>• Townships (e.g., Dickinson, Lower Mifflin, Southampton)</li> </ul> </li> <li>• Ways in which different people view places and regions (e.g., places to visit or to avoid)</li> <li>• Community connections to other places <ul style="list-style-type: none"> <li>• Dependence and interdependence</li> <li>• Access and movement</li> </ul> </li> </ul>	<p>B. Explain and locate places and regions.</p> <ul style="list-style-type: none"> <li>• How regions are created to interpret Earth's complexity (i.e., the differences among formal regions, functional regions, perceptual regions)</li> <li>• How characteristics contribute to regional changes (e.g., economic development, accessibility, demographic change)</li> <li>• How culture and experience influence perceptions of places and regions</li> <li>• How structures and alliances impact regions <ul style="list-style-type: none"> <li>• Development (e.g., First vs. Third World, North vs. South)</li> <li>• Trade (e.g., NAFTA, the European Union)</li> <li>• International treaties (e.g., NATO, OAS)</li> </ul> </li> <li>• How regions are connected (e.g., watersheds and river systems, patterns of world trade, cultural ties, migration)</li> </ul>	<p>B. Analyze the location of places and regions.</p> <ul style="list-style-type: none"> <li>• Changing regional characteristics (e.g., short- and long-term climate shifts; population growth or decline; political instability)</li> <li>• Criteria to define a region (e.g., the reshaping of south Florida resulting from changing migration patterns; the US-Mexico border changes as a function of NAFTA; metropolitan growth in the Philadelphia region)</li> <li>• Cultural change (e.g., influence on people's perceptions of places and regions)</li> </ul>
<p><b>Basic Geography Literacy must include local-to-global progression (scales) for all students at all grade levels for the standard statements and their descriptors. Basic concepts introduced in lower grade levels must be developed more fully throughout higher grade levels. Portions of Basic Geography Literacy relate directly to the Mathematics Standards.</b></p>			

<b>7.2 The Physical Characteristics of Places and Regions</b>			
<b>7.2.3. GRADE 3</b>	<b>7.2.6. GRADE 6</b>	<b>7.2.9. GRADE 9</b>	<b>7.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. . .</i></b>			
<p>A. Identify the physical characteristics of places and regions.</p> <ul style="list-style-type: none"> <li>• Physical properties                             <ul style="list-style-type: none"> <li>• Landforms (e.g., plains, hills, plateaus and mountains)</li> <li>• Bodies of water (e.g., rivers, lakes, seas and oceans)</li> <li>• Weather and climate</li> <li>• Vegetation and animals</li> </ul> </li> <li>• Earth's basic physical systems                             <ul style="list-style-type: none"> <li>• Lithosphere</li> <li>• Hydrosphere</li> <li>• Atmosphere</li> <li>• Biosphere</li> </ul> </li> </ul> <p>B. Identify the basic physical processes that affect the physical characteristics of places and regions.</p> <ul style="list-style-type: none"> <li>• Earth-sun relationships (i.e., seasons and length of daylight, weather and climate)</li> <li>• Extreme physical events (e.g., earthquakes, floods, hurricanes, tornadoes)</li> </ul>	<p>A. Describe the physical characteristics of places and regions.</p> <ul style="list-style-type: none"> <li>• Components of Earth's physical systems (e.g., clouds, storms, relief and elevation [topography], tides, biomes, tectonic plates)</li> <li>• Comparison of the physical characteristics of different places and regions (e.g., soil, vegetation, climate, topography)</li> <li>• Climate types (e.g., marine west coast, humid continental, tropical wet and dry)</li> </ul> <p>B. Describe the physical processes that shape patterns on Earth's surface.</p> <ul style="list-style-type: none"> <li>• Earth-sun relationships (i.e., differences between equinoxes and solstices, reasons they occur and their relationship to latitude)</li> <li>• Climate influences (e.g., elevation, latitude, nearby ocean currents)</li> <li>• Climate change, (e.g., global warming/cooling, decertification, glaciations)</li> <li>• Plate tectonics</li> <li>• Hydrologic cycle</li> </ul>	<p>A. Explain the physical characteristics of places and regions including spatial patterns of Earth's physical systems.</p> <ul style="list-style-type: none"> <li>• Climate regions</li> <li>• Landform regions</li> </ul> <p>B. Explain the dynamics of the fundamental processes that underlie the operation of Earth's physical systems.</p> <ul style="list-style-type: none"> <li>• Wind systems</li> <li>• Water cycle</li> <li>• Erosion/deposition cycle</li> <li>• Plate tectonics</li> <li>• Ocean currents</li> <li>• Natural hazards</li> </ul>	<p>A. Analyze the physical characteristics of places and regions including the interrelationships among the components of Earth's physical systems.</p> <ul style="list-style-type: none"> <li>• Biomes and ecosystem regions</li> <li>• Watersheds and river basins</li> <li>• World patterns of biodiversity</li> </ul> <p>B. Analyze the significance of physical processes in shaping the character of places and regions.</p> <ul style="list-style-type: none"> <li>• Circulation of the oceans</li> <li>• Ecosystem processes</li> <li>• Atmospheric systems</li> <li>• Extreme natural events</li> </ul>
<p><b>The Physical Characteristics of Places and Regions must include local-to-global progression (scales) for all students at all grade levels for the standard statements and their descriptors. Basic concepts must be developed more fully throughout higher grade levels. Portions of Physical Characteristics of Places and Regions relate directly to Science and Technology and Environment and Ecology standards.</b></p>			



<b>7.3 The Human Characteristics of Places and Regions</b>			
<b>7.3.3. GRADE 3</b>	<b>7.3.6. GRADE 6</b>	<b>7.3.9. GRADE 9</b>	<b>7.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. .</i></b>			
<p>A. Identify the human characteristics of places and regions by their population characteristics.</p> <ul style="list-style-type: none"> <li>• The number and distribution of people in the local community</li> <li>• Human movement in the local community (e.g., mobility in daily life, migration)</li> </ul> <p>B. Identify the human characteristics of places and regions by their cultural characteristics.</p> <ul style="list-style-type: none"> <li>• Components of culture (e.g., language, belief systems and customs, social organizations, foods, ethnicity)</li> <li>• Ethnicity of people in the local community (e.g., customs, celebrations, languages, religions)</li> </ul>	<p>A. Describe the human characteristics of places and regions by their population characteristics.</p> <ul style="list-style-type: none"> <li>• Spatial distribution, size, density and demographic characteristics of population at the county and state level.</li> <li>• Causes of human movement <ul style="list-style-type: none"> <li>• Mobility (e.g., shopping, commuting, recreation)</li> </ul> </li> <li>• Migration models (e.g., push/pull factors, barriers to migration)</li> </ul> <p>B. Describe the human characteristics of places and regions by their cultural characteristics.</p> <ul style="list-style-type: none"> <li>• Ethnicity of people at the county and state levels (e.g., customs, celebrations, languages, religions)</li> <li>• Spatial arrangement of cultures creates distinctive landscapes (e.g., cultural regions based on languages, customs, religion, building styles as in the Pennsylvania German region)</li> </ul>	<p>A. Explain the human characteristics of places and regions by their population characteristics.</p> <ul style="list-style-type: none"> <li>• Spatial distribution, size, density and demographic characteristics of population at the state and National level</li> <li>• Demographic structure of a population (e.g., life expectancy, fertility rate, mortality rate, infant mortality rate, population growth rate, the demographic transition model)</li> <li>• Effects of different types and patterns of human movement <ul style="list-style-type: none"> <li>• Mobility (e.g., travel for business)</li> <li>• Migration (e.g., rural to urban, short term vs. long term, critical distance)</li> </ul> </li> </ul> <p>B. Explain the human characteristics of places and regions by their cultural characteristics.</p> <ul style="list-style-type: none"> <li>• Ethnicity of people at national levels (e.g., customs, celebrations, languages, religions)</li> <li>• Culture distribution (e.g., ethnic enclaves and neighborhoods)</li> <li>• Cultural diffusion (e.g., acculturation and assimilation, cultural revivals of language)</li> </ul>	<p>A. Analyze the significance of human activity in shaping places and regions by their population characteristics:</p> <ul style="list-style-type: none"> <li>• Spatial distribution, size, density and demographic characteristics of population at the international level</li> <li>• Demographic trends and their impacts on patterns of population distribution (e.g., carrying capacity, changes in fertility, changes in immigration policy, the mobility transition model)</li> <li>• Impact of movement on human systems (e.g., refugees, guest workers, illegal aliens)</li> </ul> <p>B. Analyze the significance of human activity in shaping places and regions by their cultural characteristics.</p> <ul style="list-style-type: none"> <li>• Cultural conflicts (e.g., over language (Canada), over political power (Spain), over economic opportunities (Mexico))</li> <li>• Forces for cultural convergence (e.g., the diffusion of foods, fashions, religions, language)</li> </ul>

7.3 The Human Characteristics of Places and Regions			
7.3.3. GRADE 3	7.3.6. GRADE 6	7.3.9. GRADE 9	7.3.12. GRADE 12
<i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to. .</i>			
<p>C. Identify the human characteristics of places and regions by their settlement characteristics.</p> <ul style="list-style-type: none"> <li>Types of settlements (e.g., villages, towns, suburbs, cities, metropolitan areas)</li> <li>Factors that affect where people settle (e.g., water, resources, transportation)</li> </ul> <p>D. Identify the human characteristics of places and regions by their economic activities.</p> <ul style="list-style-type: none"> <li>Location factors in the spatial distribution of economic activities (e.g., market, transportation, workers, materials)</li> <li>Producers of consumer products and services (e.g., bread, pizza, television, shopping malls)</li> <li>Products of farms and factories at the local and regional level (e.g., mushrooms, milk, snack foods, furniture)</li> <li>Spatial distribution of resources                             <ul style="list-style-type: none"> <li>Non-renewable resources</li> <li>Renewable resources</li> <li>Flow resources (e.g., water power, wind power)</li> </ul> </li> </ul>	<p>C. Describe the human characteristics of places and regions by their settlement characteristics.</p> <ul style="list-style-type: none"> <li>Current and past settlement patterns in the local area</li> <li>Factors that affect the growth and decline of settlements (e.g., immigration, transportation development, depletion of natural resources, site and situation)</li> </ul> <p>D. Describe the human characteristics of places and regions by their economic activities.</p> <ul style="list-style-type: none"> <li>Spatial distribution of economic activities in the local area (e.g., patterns of agriculture, forestry, mining, retailing, manufacturing, services)</li> <li>Factors that influence the location and spatial distribution of economic activities (e.g., market size for different types of business, accessibility, modes of transportation used to move people, goods and materials)</li> <li>Spatial distribution of resources and their relationship to population distribution                             <ul style="list-style-type: none"> <li>Historical settlement patterns and natural resource use (e.g., waterpower sites along the Fall Line)</li> <li>Natural resource-based industries (e.g., agriculture, mining, fishing, forestry)</li> </ul> </li> </ul>	<p>C. Explain the human characteristics of places and regions by their settlement characteristics.</p> <ul style="list-style-type: none"> <li>Current and past settlement patterns in Pennsylvania and the United States</li> <li>Forces that have re-shaped modern settlement patterns (e.g., central city decline, suburbanization, the development of transport systems)</li> <li>Internal structure of cities (e.g., manufacturing zones, inner and outer suburbs, the location of infrastructure)</li> </ul> <p>D. Explain the human characteristics of places and regions by their economic activities.</p> <ul style="list-style-type: none"> <li>Spatial distribution of economic activities in Pennsylvania and the United States (e.g., patterns of agriculture, forestry, mining, retailing, manufacturing, services)</li> <li>Factors that shape spatial patterns of economic activity both Nationally and internationally (e.g., comparative advantage in location of economic activities; changes in resource trade; disruption of trade flows)</li> <li>Technological changes that affect the definitions of, access to, and use of natural resources (e.g., the role of exploration, extraction, use and depletion of resources)</li> </ul>	<p>C. Analyze the significance of human activity in shaping places and regions by their settlement characteristics.</p> <ul style="list-style-type: none"> <li>Description of current and past settlement patterns at the international scale (e.g., global cities)</li> <li>Use of models of the internal structure of cities (e.g., concentric zone, sector, multiple nuclei)</li> <li>Forces that have reshaped settlement patterns (e.g., commuter railroads, urban freeways, the development of megalopolis and edge cities)</li> </ul> <p>D. Analyze the significance of human activity in shaping places and regions by their economic characteristics.</p> <ul style="list-style-type: none"> <li>Changes in spatial distribution of economic activities at the global scale (e.g., patterns of agriculture, forestry, mining, retailing, manufacturing, services)</li> <li>Forces that are reshaping business (e.g., the information economy, business globalization, the development of off-shore activities)</li> <li>Effects of changes and movements in factors of production (e.g., resources, labor, capital)</li> </ul>

<b>7.3 The Human Characteristics of Places and Regions</b>			
<b>7.3.3. GRADE 3</b>	<b>7.3.6. GRADE 6</b>	<b>7.3.9. GRADE 9</b>	<b>7.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>E. Identify the human characteristics of places and regions by their political activities.</p> <ul style="list-style-type: none"> <li>• Type of political units (e.g., townships, boroughs, towns, cities, counties, states, countries (nation-state))</li> <li>• Political units in the local area</li> </ul>	<p>E. Describe the human characteristics of places and regions by their political activities.</p> <ul style="list-style-type: none"> <li>• Spatial pattern of political units in Pennsylvania</li> <li>• Functions of political units (e.g., counties, municipalities, townships, school districts, PA General Assembly districts (House and Senate), U.S. Congressional districts, states)</li> </ul>	<p>E. Explain the human characteristics of places and regions by their political activities.</p> <ul style="list-style-type: none"> <li>• Spatial pattern of political units in the United States</li> <li>• Geographic factors that affect decisions made in the United States (e.g., territorial expansion, boundary delineation, allocation of natural resources)</li> <li>• Political and public policies that affect geography (e.g., open space, urban development)</li> </ul>	<p>E. Analyze the significance of human activity in shaping places and regions by their political characteristics:</p> <ul style="list-style-type: none"> <li>• Spatial pattern of political units in the global system</li> <li>• Role of new political alliances on the international level (e.g., multinational organizations, worker's unions, United Nations' organizations)</li> <li>• Impact of political conflicts (e.g., secession, fragmentation, insurgencies, invasions)</li> </ul>
<p><b>The Human Characteristics of Places and Regions must include local-to-global progression (scales) for all students at all grade levels for the standard statements and their descriptors. Basic concepts found in lower grade levels must be developed more fully throughout higher grade levels. Portions of Human Characteristics of Places and Regions relate directly to the Civics and Government and Economics Standards.</b></p>			

<b>7.4 The Interactions Between People and Places</b>			
<b>7.4.3. GRADE 3</b>	<b>7.4.6. GRADE 6</b>	<b>7.4.9. GRADE 9</b>	<b>7.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>A. Identify the impacts of physical systems on people.</p> <ul style="list-style-type: none"> <li>• How people depend on, adjust to and modify physical systems on a local scale (e.g., soil quality and agriculture, snowfall and daily activities, drought and water use)</li> <li>• Ways in which natural hazards affect human activities (e.g., storms, lightning, flooding)</li> </ul>	<p>A. Describe the impacts of physical systems on people.</p> <ul style="list-style-type: none"> <li>• How people depend on, adjust to and modify physical systems on regional scale (e.g., coastal industries, development of coastal communities, flood control)</li> <li>• Ways in which people adjust to life in hazard-prone areas (e.g., California and earthquakes, Florida and hurricanes, Oklahoma and tornadoes)</li> </ul>	<p>A. Explain the impacts of physical systems on people.</p> <ul style="list-style-type: none"> <li>• How people depend on, adjust to and modify physical systems on National scale (e.g., soil conservation programs, projects of The Corps of Engineers)</li> <li>• Ways in which people in hazard-prone areas adjust their ways of life (e.g., building design in earthquake areas, dry-farming techniques in drought-prone areas)</li> </ul>	<p>A. Analyze the impacts of physical systems on people.</p> <ul style="list-style-type: none"> <li>• How people depend on, adjust to and modify physical systems on international scales (e.g., resource development of oil, coal, timber)</li> <li>• Ways in which people modify ways of life to accommodate different environmental contexts (e.g., building in permafrost areas; the role of air-conditioning in the United States South and Southwest; the development of enclosed spaces for movement in cold climates)</li> </ul>

7.4 The Interactions Between People and Places			
7.4.3. GRADE 3	7.4.6. GRADE 6	7.4.9. GRADE 9	7.4.12. GRADE 12
<i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i>			
<p>B. Identify the impacts of people on physical systems.</p> <ul style="list-style-type: none"> <li>• Effects of energy use (e.g., water quality, air quality, change in natural vegetation)</li> <li>• Ways humans change local ecosystems (e.g., land use, dams and canals on waterways, reduction and extinction of species)</li> </ul>	<p>B. Describe the impacts of people on physical systems.</p> <ul style="list-style-type: none"> <li>• Changing spatial patterns on Earth's surface that result from human activities (e.g., lake desiccation as in the Aral Sea, construction of dikes, dams and storm surge barriers in the Netherlands, designation of State parks and forests throughout Pennsylvania)</li> <li>• Ways humans adjust their impact on the habitat (e.g., Endangered Species Act, replacement of wetlands, logging and replanting trees)</li> </ul>	<p>B. Explain the impacts of people on physical systems.</p> <ul style="list-style-type: none"> <li>• Forces by which people modify the physical environment (e.g., increasing population; new agricultural techniques; industrial processes and pollution)</li> <li>• Spatial effects of activities in one region on another region (e.g., scrubbers on power plants to clean air, transportation systems such as Trans-Siberian Railroad, potential effects of fallout from nuclear power plant accidents)</li> </ul>	<p>B. Analyze the impacts of people on physical systems.</p> <ul style="list-style-type: none"> <li>• How people develop international agreements to manage environmental issues (e.g., Rio de Janeiro Agreement, the Law of the Sea, the Antarctica Treaty)</li> <li>• How local and regional processes can have global effects (e.g., wind and hydroelectric power transmitted across regions, water use and irrigation for crop production)</li> <li>• Sustainability of resources (e.g., reforestation, conservation)</li> <li>• World patterns of resource distribution and utilization (e.g., oil trade, regional electrical grids)</li> </ul>
<p><b>The Interactions Between People and Places must include local to global scales for all students at all grade levels for the standard statements and their descriptors. Basic concepts found in lower grade levels must be developed more fully throughout higher grade levels.</b></p>			

**XXI. GLOSSARY**

- Absolute location:** The position of a point on Earth's surface that can usually be described by latitude and longitude. Another example of absolute location would be the use of a nine digit zip code and street address.
- Acculturation:** The process of adopting the traits of a cultural group.
- Assimilation:** The acceptance, by one culture group or community, of cultural traits associated with another.
- Atmosphere:** The body of gases, aerosols and other materials that surrounds Earth and is held close by gravity. It extends about twelve miles from Earth's surface.
- Barriers to migration:** Factors that keep people from moving (e.g., lack of information about potential destination, lack of funds to cover the costs of moving, regulations that control migration).
- Basic map elements:** Materials included on geographic representations. These include title, directions, date of map, mapmaker's name, a legend and scale. Often a geographic grid, the source of information and sometimes an index of places on the map are also included.
- Biomes:** A community of living organisms of a single major ecological region.
- Biosphere:** The domain of Earth that includes all plant and animal life forms.
- Boundary:** The limit or extent within which a system exists or functions, including a social group, a state or physical features.
- Capital:** One of the factors of production of goods and services. Capital can be goods (e.g., factories and equipment, highways, information, communications systems) and/or funds (investment and working capital) used to increase production and wealth. Other factors are land, water and labor.
- Cardinal directions:** The four main points of the compass; north, east, south and west.

<b>Carrying capacity:</b>	Maximum population that an area can support over time depending upon environmental conditions, human interventions and interdependence.
<b>Central Place Theory:</b>	The conceptual framework that explains the size, spacing and distribution of settlements and their economic relationships with their market areas.
<b>Climate:</b>	Long-term patterns and trends in weather elements and atmospheric conditions.
<b>Climate graph (climagraph):</b>	A diagram that combines average monthly temperature and precipitation data for a particular place.
<b>Comparative advantage:</b>	The specialization by a given area in the production of one or a few commodities for which it has a particular edge (e.g., labor quality, resources availability, production costs).
<b>Concentric Zone Model:</b>	A framework that proposes that urban functions and the associated land uses are arranged in rings that grow outward from a central area. One of three models developed to explain how cities and metropolitan areas are arranged internally. The other models are the Sector and the Multiple Nuclei.
<b>Country:</b>	Unit of political space often referred to as a state or nation-state.
<b>Culture:</b>	Learned behavior of people, which includes their belief systems and languages, their social relationships, their institutions and organizations and their material goods—food, clothing, buildings, tools and machines.
<b>Cultural diffusion:</b>	The spread of cultural elements from one culture to another.
<b>Cultural landscape:</b>	The human imprint on the physical environment; the humanized image as created or modified by people.
<b>Demographic change:</b>	Variation in population size, composition, rates of growth, density, fertility and mortality rates and patterns of migration.
<b>Density:</b>	The population or number of objects per unit area (e.g., per square kilometer or mile).
<b>Decertification:</b>	The spread of desert conditions in arid and semiarid regions resulting from a combination of climatic changes and increasing human pressures (e.g., overgrazing, removal of vegetation, cultivation of marginal land).
<b>Desiccation:</b>	See lake desiccation.
<b>Developed country:</b>	An area of the world that is technologically advanced, highly urbanized and wealthy and has generally evolved through both economic and demographic transitions.
<b>Diffusion:</b>	The spread of people, ideas, technology and products among places.
<b>Distance decay:</b>	The tendency for the acceptance of new ideas and technologies to decrease with distance from their source.
<b>Earthquake:</b>	Vibrations and shock waves caused by the sudden movement of tectonic plates along fracture zones, called faults, in Earth's crust.
<b>Ecosystem (ecological system):</b>	A network formed by the interaction of all living organisms (plants, animals, humans) with each other and with the physical and chemical factors of the environment in which they live.
<b>Elevation:</b>	Height of a point or place above sea level (e.g., Mount Everest has an elevation of 29,028 feet above sea level).
<b>Enclaves:</b>	A country, territorial or culturally distinct unit enclosed within a larger country or community.
<b>Environment:</b>	Everything in and on Earth's surface and its atmosphere within which organisms, communities or objects exist.
<b>Equilibrium:</b>	The point in the operation of a system when driving forces and resisting forces are in balance.
<b>Equinoxes:</b>	The two days during the calendar year (usually September 23 and March 21) when all latitudes have twelve hours of both daylight and darkness and the sun is directly overhead at the Equator.
<b>Erosional processes:</b>	The removal and transportation of weathered (loose) rock material by water, wind, waves and glaciers. Deposition is the end result of erosion and occurs when transported material is dropped.
<b>Fall line:</b>	A linear connection joining the waterfalls on numerous rivers and streams that marks the point where each river and stream descends from the upland and the limit of the navigability of each river (e.g., the narrow boundary zone between the coastal plain and the Piedmont in the Eastern United States where there are falls and rapids on streams and rivers as they drop from the more resistant rocks of the Piedmont onto the softer rocks of the coastal plain).

<b>Fertility rate:</b>	A measure of the number of children a woman will have during her child-bearing years (15 to 49 years of age) in comparison to the adult female population in a particular place.
<b>Formal region:</b>	An area defined by the uniformity or homogeneity of certain characteristics (e.g., precipitation, landforms, subculture).
<b>Functional region:</b>	An area united by a strong core (node) or center of human population and activity (e.g., banking linkages between large cities and smaller cities and towns).
<b>Geographic Information System:</b>	A geographic database that contains information about the distribution of physical and human characteristics of places. In order to test hypotheses, maps of one characteristic or a combination can be produced from the database to analyze the data relationships.
<b>Geographic scale:</b>	The size of Earth's surface being studied. Study areas vary from local to regional to global. Scale also refers to the relationship between the size of space on a map and the size of that space on Earth's surface. Maps are referred to as large scale if they are of smaller (local) areas and small scale if they represent much or all of the Earth's surface. Map scale is expressed as a bar graph or representative fraction.
<b>Global warming:</b>	The theory that Earth's atmosphere is gradually warming due to the buildup of certain gases, including carbon dioxide and methane, which are released by human activities. The increased levels of these gases cause added heat energy from Earth to be absorbed by the atmosphere instead of being lost in space.
<b>Globe:</b>	A scale model of Earth that correctly represents area, relative size and shape of physical features, distance between points and true compass direction.
<b>Grid:</b>	A pattern of lines on a chart or map, such as those representing latitude and longitude, which helps determine absolute location and assists in the analysis of distribution patterns.
<b>Human features:</b>	Tangible and intangible ideas associated with the culture, society and economy of places or areas. These include the spatial arrangement of land uses including transportation, the design of buildings and the nature and timing of activities that people conduct in these spaces.
<b>Hydroelectric power:</b>	Electrical energy generated by the force of falling water which rotates turbines housed in power plants in dams on rivers.
<b>Hydrosphere:</b>	The water realm of Earth which includes water contained in the oceans, lakes, rivers, ground, glaciers and water vapor in the atmosphere.
<b>Infant mortality rate:</b>	The annual number of deaths among infants under 1 year of age for every 1,000 live births. It usually provides an indication of health care levels. The United States, for example, has a 1994 rate of 8.3 infant deaths per 1,000 live births while Angola has a rate of 137 infant deaths per 1,000 births.
<b>Interdependence:</b>	Ideas, goods and services in one area affect decisions and events in other areas reducing self-sufficiency.
<b>Intermediate directions:</b>	The points of the compass that fall between north and east, north and west, south and east, south and west (e.g., NE, NW, SE, SW).
<b>Intervening opportunity:</b>	An alternate area that is a source of a product or service or a destination in the case of migration.
<b>Lake desiccation:</b>	The reduction in water level (drying out) of an inland water body.
<b>Landform:</b>	The shape, form or nature of a specific physical feature of Earth's surface (e.g., plain, hill, plateau, mountain).
<b>Land use:</b>	The range of uses of Earth's surface made by humans. Uses are classified as urban, rural, agricultural, forested, etc. with more specific sub-classifications useful for specific purposes (e.g., low-density residential, light industrial, nursery crops).
<b>Life expectancy:</b>	The average number of remaining years a person can expect to live under current mortality levels in a society. Life expectancy at birth is the most common use of this measure.
<b>Lithosphere:</b>	The uppermost portion of the solid Earth including soil, land and geologic formations.
<b>Location:</b>	The position of a point on Earth's surface expressed by means of a grid (absolute) or in relation (relative) to the position of other places.
<b>Map:</b>	A graphic representation of a portion of Earth that is usually drawn to scale on a flat surface.
<b>Materials:</b>	Raw or processed substances that are used in manufacturing (secondary economic activities). Most substances used in factories are already manufactured to some degree and come from other factories rather than from sources of raw materials.
<b>Megalopolis:</b>	The intermingling of two or more large metropolitan areas into a continuous or almost continuous built-up urban complex; sometimes referred to as a conurbation.

<b>Mental map:</b>	A geographic representation which conveys the cognitive image a person has of an area, including knowledge of features and spatial relationships as well as the individual's perceptions and attitudes regarding the place; also known as a cognitive map.
<b>Metropolitan area:</b>	The Federal Office of Management and Budget's designation for the functional area surrounding and including a central city; has a minimum population of 50,000; is contained in the same county as the central city; and includes adjacent counties having at least 15% of their residents working in the central city's county.
<b>Migration:</b>	The act or process of people moving from one place to another with the intent of staying at the destination permanently or for a relatively long period of time.
<b>Multinational organizations:</b>	An association of nations aligned around a common economic or political cause (e.g., the Organization of Petroleum Exporting Countries, the Organization of American States).
<b>Multiple Nuclei Model:</b>	A representation of urban structure based on the idea that the functional areas (land use) of cities develop around various points rather than just one in the Central Business District.
<b>Municipality:</b>	A political unit incorporated for local self-government (e.g., Pennsylvania's boroughs, townships).
<b>NAFTA:</b>	North American Free Trade Agreement. NAFTA is an accord to establish clear and mutually advantageous rules governing commerce among Canada, Mexico and the United States.
<b>NATO:</b>	North Atlantic Treaty Organization. An international transatlantic partnership consisting of various European states, the United States and Canada, which was designed through cooperation, consultation and collective defense to maintain peace and promote stability throughout Europe.
<b>Nation:</b>	A cultural concept for a group of people bound together by a strong sense of shared values and cultural characteristics including language, religion and common history.
<b>Natural hazard:</b>	An event in the physical environment, such as a hurricane or earthquake, that is destructive to human life and property.
<b>Natural resource:</b>	An element of the physical environment that people value and use to meet a need for fuel, food, industrial product or something else of value.
<b>Nonrenewable resource:</b>	A finite element that cannot be replaced once it is used (e.g., petroleum, minerals).
<b>Ocean currents:</b>	The regular and consistent horizontal flow of water in the oceans, usually in response to persistent patterns of circulation in the atmosphere.
<b>OAS:</b>	Organization of American States. An international governmental organization formed by the nation-states of North America and South America for security and the protection of mutual interests.
<b>OPEC:</b>	The Organization of Petroleum Exporting Countries; international cartel of thirteen nations designed to promote collective pricing of petroleum, unified marketing policies and regulation of petroleum extraction.
<b>Perceptual region:</b>	Ideas that people have about the character of areas based on impressions from a variety of sources of information including other individuals and media. Mental maps can be used to access these ideas to find out what people think about particular areas.
<b>Physical feature:</b>	An aspect of a place or area that derives from the physical environment.
<b>Physical process:</b>	A course or method of operation that produces, maintains or alters Earth's physical system (e.g., glacial eroding, depositing landforms).
<b>Place:</b>	An area with distinctive human and physical characteristics; these characteristics give it meaning and character and distinguish it from other areas.
<b>Plate tectonics:</b>	The theory that Earth's surface is composed of rigid slabs or plates (see tectonic plates). The divergence, convergence and slipping side-by-side of the different plates is responsible for present-day configurations of continents, ocean basins and major mountain ranges and valley systems.
<b>Pollution:</b>	The direct or indirect process resulting from human action by which any part of the environment is made potentially or actually unhealthy, unsafe or hazardous to the welfare of the organisms which live in it.
<b>Population density:</b>	The number of individuals occupying an area derived from dividing the number of people by the area they occupy (e.g., 2,000 people divided by ten square miles = 200 people per square mile).
<b>Population pyramid:</b>	A bar graph showing the distribution by gender and age of a country's population.
<b>Primary economic activity:</b>	The production of naturally existing or culturally improved resources (i.e., agriculture, ranching, forestry, fishing, extraction of minerals and ores).

<b>Pull factors:</b>	In migration theory, the social, political, economic and environmental attractions of new areas that draw people away from their previous location.
<b>Push factors:</b>	In migration theory, the social, political, economic and environmental forces that drive people from their previous location.
<b>Region:</b>	An area with one or more common characteristics or features that give it a measure of consistency and make it different from surrounding areas.
<b>Relative location:</b>	The site of a place or region in relation to other places or regions (e.g., northwest, downstream).
<b>Renewable resource:</b>	A substance that can be regenerated if used carefully (e.g., fish, timber).
<b>Resource:</b>	An aspect of the physical environment that people value and use to meet a need for fuel, food, industrial product or something else of value.
<b>Satellite image:</b>	A representation produced by a variety of sensors (e.g., radar, microwave detectors, scanners) that measure and record electromagnetic radiation. The collected data are turned into digital form for transmission to ground receiving stations. The data can be reconverted into imagery in a form resembling a photograph.
<b>Scale:</b>	On maps the relationship or ratio between a linear measurement on a map and the corresponding distance on Earth's surface. For example, the scale 1:1,000,000 means one unit (inch or centimeter) on the map represents 1,000,000 of the same units on Earth's surface. Also refers to the size of places or regions being studied.
<b>Sector Model:</b>	A theory of urban structure that recognizes the impact of transportation on land prices within the city and the resulting tendency for functional areas to be organized into sectors.
<b>Secondary economic activity:</b>	Processing of raw and manufactured materials into products with added value.
<b>Settlement pattern:</b>	The spatial distribution and arrangement of human habitations (e.g., rural, urban).
<b>Site:</b>	The specific location where something may be found including its physical setting (e.g., on a floodplain).
<b>Situation:</b>	The general location of something in relation to other places or features of a larger region (e.g., in the center of a group of cities).
<b>Soil:</b>	Unconsolidated material found at the surface of Earth, which is divided into layers (or horizons) characterized by the accumulation or loss of organic and inorganic compounds. Loam types and depths vary greatly over Earth's surface and are very much influenced by climate, organisms, rock type, local relief, time and human activity.
<b>Spatial:</b>	Pertains to space on Earth's surface.
<b>Spatial distribution:</b>	The distribution of physical and human elements on Earth's surface.
<b>Spatial organization:</b>	The arrangement on Earth's surface of physical and human elements.
<b>Suburbanization:</b>	The shift in population from living in higher density urban areas to lower density developments on the edge of cities.
<b>System:</b>	A collection of entities that are linked and interrelated (e.g., the hydrologic cycle, cities, transportation modes).
<b>Technology:</b>	Application of knowledge to meet the goals, goods and services needed and desired by people.
<b>Tectonic plates:</b>	Sections of Earth's rigid crust that move as distinct units on a plastic-like ledge (mantle) on which they rest. As many as twenty different plates have been identified, but only seven are considered to be major (e.g., Eurasian Plate, South American Plate).
<b>Thematic map:</b>	A geographic representation of a specific spatial distribution, theme or topic (e.g., population density, cattle production, climates of the world).
<b>Time zone:</b>	A division of Earth, usually 15 degrees longitude, within which the time at the central meridian of the division represents the whole division.
<b>Topography:</b>	The shape of Earth's surface.
<b>Water cycle:</b>	The continuous circulation of water from the oceans, through the air, to the land and back to the sea. Water evaporates from oceans, lakes, rivers and the land surfaces and transpires from vegetation. It condenses into clouds in the atmosphere that may result in precipitation returning water to the land. Water then seeps into the soil or flows out to sea completing the circulation. Also known as Hydrologic Cycle.



## Academic Standards for History

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### XXIII. INTRODUCTION

This document includes Academic Standards for History that describe what students should know and be able to do in four areas:

- 8.1. Historical Analysis and Skills Development
- 8.2. Pennsylvania History
- 8.3. United States History
- 8.4. World History

The History Standards describe what students should know and be able to do at four grade levels (third, sixth, ninth and twelfth). They reflect an understanding of chronological events and the application of historical thinking skills in viewing the human record. These academic standards provide an organizing content for schools.

The Academic Standards for History are grounded in the Public School Code of 1949 which directs "... study in the history and government of that portion of America which has become the United States of America, and of the Commonwealth of Pennsylvania . . .". Chapter 4—Academic Standards and Assessment in § 4.21 (relating to elementary education; primary and intermediate levels) reinforces the School Code by indicating that the history of the United States and the history of the Commonwealth must be taught once by the end of elementary school. In addition, § 4.22 (relating to middle level education) indicates that planned instruction in the history and cultures of the United States, the Commonwealth and world shall be provided. Chapter 4 also states that planned instruction shall be provided in the history and cultures of the United States, the Commonwealth and world in § 4.23 (relating to high school education).

To support the intent of the Public School Code and Chapter 4, this document creates four standard categories.

The four standard categories were designed to meld historical thinking (8.1. Historical Analysis and Skills Development) with historical understanding (8.2. Pennsylvania History, 8.3. United States History, and 8.4. World History) to describe what students should know and be able to do.

Standard category 8.1. Historical Analysis and Skill Development provides the basis for learning the content within the other three standard categories. The intent of the history standards is to instill in each student an ability to comprehend chronology, develop historical comprehension, evaluate historical interpretation and to understand historical research. One should not view these standards as a list of facts to recall, rather as stated in the opening phrase to the Pennsylvania, United States and World standard categories, "Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze the interaction of cultural, economic, geographic, political and social relations."

These standards provide a history framework to permit every school and teacher to create planned instruction. The content within this document is general and does not represent a course or even a portion thereof. Every school is encouraged to move beyond these standards. These standards are merely a starting point for the study of history. Planned instruction to meet these standards is required; however, the methodology, resources and time are not recommended nor implied.

History is a discipline that interprets and analyzes the past. It is a narrative—a story. In order to tell the story it is not sufficient to simply recall facts; it is also necessary to understand the context of the time and place and to apply historical thinking skills. It is with this concept established, that the content delineated in Pennsylvania, United States and World histories should be approached. Having established the need to move beyond recall, it is the intent of these standards to give students throughout Pennsylvania a common cultural literacy.

Pennsylvania, United States, and World History standard categories use the same four standard statements to guide teachers in developing planned instruction. The four standard statements are: (A) Political and Cultural Contributions of Individuals and Groups; (B) Primary Documents, Material Artifacts and Historical Places; (C) How Continuity and Change Has Influenced History; (D) Conflict and Cooperation Among Social Groups and Organizations. The chart, Four Standard Statements within the Academic Standards for History: An Overview outlines standard statements and descriptors.

Although the standard statements are similar across grade levels and standard categories, the degree of comprehension, changes in content and shifts in chronology differ. Although different grade levels outline different chronological periods within the standards, it is intended that the specified chronological eras be linked to past learnings and that all eras be linked to the present. Linking to past learnings and the present is important, but so is addressing the standard statements in more depth. Therefore the following chronological time periods for the standard categories are established for the standard categories.

Pennsylvania and United States History

Grades 1-3	Beginnings to Present
Grades 4-6	Beginnings to 1824
Grades 7-9	1787 to 1914
Grades 10-12	1890 to Present

World History

Grades 1-3	Beginnings to Present
Grades 4-6	Beginnings to Present
Grades 7-9	Beginnings to 1500
Grades 10-12	1450 to Present

Districts are encouraged to delineate each chronological period into less expansive historical eras within their planned instruction. The content listed in grade levels 1-3, 4-6, 7-9 and 10-12 should be age appropriate for the students in those grade levels and the reader should interpret each standard descriptor in that manner.

The Academic Standards for History consist of four standard categories (designated as 8.1., 8.2., 8.3., and 8.4.). Each category has four standard statements (designated A, B, C, and D). Most standard statements have bulleted items known as standard descriptors. The standard descriptors are items within the document to illustrate and enhance the standard statement. The categories, statements and descriptors are the regulations. The descriptors many times are followed by an "e.g.," The "e.g.'s" are examples to clarify what type of information

could be taught. These are suggestions and the choice of specific content is a local decision as is the method of instruction.

History along with civics and government, economics and geography are identified as social studies in Chapter 4. This identification is consistent with citizenship education in Chapters 49 and 354 (relating to certification of professional personnel; and preparation of professional educators). Based on these regulations, social studies/citizenship programs should include the four sets of standards as an entity in developing a scope and sequence for curriculum and planned instruction.

A glossary is included to assist the reader in understanding terminology contained in the standards.

**Four Standard Statements within the Academic Standards for History: An Overview**

<p><b>Political and Cultural Contributions of Individuals and Groups</b></p> <ul style="list-style-type: none"> <li>• Inhabitants (cultures, subcultures, groups)</li> <li>• Political Leaders (monarchs, governors, elected officials)</li> <li>• Military Leaders (generals, noted military figures)</li> <li>• Cultural and Commercial Leaders (entrepreneurs, corporate executives, artists, entertainers, writers)</li> <li>• Innovators and Reformers (inventors, philosophers, religious leaders, social change agents, improvers of technology)</li> </ul>	<p><b>How Continuity and Change Have Influenced History</b></p> <ul style="list-style-type: none"> <li>• Belief Systems and Religions (ideas, beliefs, values)</li> <li>• Commerce and Industry (jobs, trade, environmental change, labor systems, entertainment)</li> <li>• Innovations (ideas, technology, methods and processes)</li> <li>• Politics (political party systems, administration of government, rules, regulations and laws, political and judicial interpretation)</li> <li>• Transportation (methods of moving people and goods over time, transportation routes, circulation systems)</li> <li>• Settlement Patterns and Expansion (population density and diversity, settlement types, land use, colonization)</li> <li>• Social Organization (social structure, identification of social groups, families, groups and communities, education, school population, suffrage, civil rights)</li> <li>• Women's Movement (changing roles of women, social and political movements, breaking barriers, role models)</li> </ul>
<p><b>Primary Documents, Material Artifacts and Historical Places</b></p> <ul style="list-style-type: none"> <li>• Documents, Writings and Oral Traditions (government documents, letters and diaries, fiction and non-fiction works, newspapers and other media, folklore)</li> <li>• Artifacts, Architecture and Historic Places (historic sites and places, museums and museum collections, official and popular cultural symbols, material culture)</li> </ul>	<p><b>Conflict and Cooperation Among Social Groups and Organizations</b></p> <ul style="list-style-type: none"> <li>• Domestic Instability (political unrest, natural and man-made disasters, genocide)</li> <li>• Ethnic and Racial Relations (racism and xenophobia, ethnic and religious prejudices, collective and individual actions)</li> <li>• Immigration and Migration (causes of population shifts, xenophobia, intercultural activity)</li> <li>• Labor Relations (strikes and collective bargaining, working conditions over time, labor/management identity)</li> <li>• Military Conflicts (causes, conduct and impact of military conflicts, wars and rebellions)</li> </ul>
<p><b>Each standard statement outlines its respective standard descriptors. Each standard descriptor suggests content that may be addressed. These are not all encompassing and local planned instruction is <i>not</i> limited to these examples.</b></p>	

<b>8.1. Historical Analysis and Skills Development</b>			
<b>8.1.3. GRADE 3</b>	<b>8.1.6. GRADE 6</b>	<b>8.1.9. GRADE 9</b>	<b>8.1.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to . . .</i></b>			
<p>A. Understand chronological thinking and distinguish between past, present and future time.</p> <ul style="list-style-type: none"> <li>• Calendar time</li> <li>• Time lines</li> <li>• Continuity and change</li> <li>• Events (time and place)</li> </ul> <p>B. Develop an understanding of historical sources.</p> <ul style="list-style-type: none"> <li>• Data in historical maps</li> <li>• Visual data from maps and tables</li> <li>• Mathematical data from graphs and tables</li> <li>• Author or historical source</li> </ul> <p>C. Understand fundamentals of historical interpretation.</p> <ul style="list-style-type: none"> <li>• Difference between fact and opinion</li> <li>• The existence of multiple points of view</li> <li>• Illustrations in historical stories</li> <li>• Causes and results</li> </ul> <p>D. Understand historical research.</p> <ul style="list-style-type: none"> <li>• Event (time and place)</li> <li>• Facts, folklore and fiction</li> <li>• Formation of historical question</li> <li>• Primary sources</li> <li>• Secondary sources</li> <li>• Conclusions (e.g., storytelling, role playing, diorama)</li> </ul>	<p>A. Understand chronological thinking and distinguish between past, present and future time.</p> <ul style="list-style-type: none"> <li>• Calendar time</li> <li>• Time lines</li> <li>• People and events in time</li> <li>• Patterns of continuity and change</li> <li>• Sequential order</li> <li>• Context for events</li> </ul> <p>B. Explain and analyze historical sources.</p> <ul style="list-style-type: none"> <li>• Literal meaning of a historical passage</li> <li>• Data in historical and contemporary maps, graphs and tables</li> <li>• Author or historical source</li> <li>• Multiple historical perspectives</li> <li>• Visual evidence</li> <li>• Mathematical data from graphs and tables</li> </ul> <p>C. Explain the fundamentals of historical interpretation.</p> <ul style="list-style-type: none"> <li>• Difference between fact and opinion</li> <li>• Multiple points of view</li> <li>• Illustrations in historical stories</li> <li>• Causes and results</li> <li>• Author or source of historical narratives</li> </ul> <p>D. Describe and explain historical research.</p> <ul style="list-style-type: none"> <li>• Historical events (time and place)</li> <li>• Facts, folklore and fiction</li> <li>• Historical questions</li> <li>• Primary sources</li> <li>• Secondary sources</li> <li>• Conclusions (e.g., simulations, group projects, skits and plays)</li> </ul>	<p>A. Analyze chronological thinking.</p> <ul style="list-style-type: none"> <li>• Difference between past, present and future</li> <li>• Sequential order of historical narrative</li> <li>• Data presented in time lines</li> <li>• Continuity and change</li> <li>• Context for events</li> </ul> <p>B. Analyze and interpret historical sources.</p> <ul style="list-style-type: none"> <li>• Literal meaning of historical passages</li> <li>• Data in historical and contemporary maps, graphs, and tables</li> <li>• Different historical perspectives</li> <li>• Data from maps, graphs and tables</li> <li>• Visual data presented in historical evidence</li> </ul> <p>C. Analyze the fundamentals of historical interpretation.</p> <ul style="list-style-type: none"> <li>• Fact versus opinion</li> <li>• Reasons/causes for multiple points of view</li> <li>• Illustrations in historical documents and stories</li> <li>• Causes and results</li> <li>• Author or source used to develop historical narratives</li> <li>• Central issue</li> </ul> <p>D. Analyze and interpret historical research.</p> <ul style="list-style-type: none"> <li>• Historical event (time and place)</li> <li>• Facts, folklore and fiction</li> <li>• Historical questions</li> <li>• Primary sources</li> <li>• Secondary sources</li> <li>• Conclusions (e.g., History Day projects, mock trials, speeches)</li> <li>• Credibility of evidence</li> </ul>	<p>A. Evaluate chronological thinking.</p> <ul style="list-style-type: none"> <li>• Sequential order of historical narrative</li> <li>• Continuity and change</li> <li>• Context for events</li> </ul> <p>B. Synthesize and evaluate historical sources.</p> <ul style="list-style-type: none"> <li>• Literal meaning of historical passages</li> <li>• Data in historical and contemporary maps, graphs and tables</li> <li>• Different historical perspectives</li> <li>• Data presented in maps, graphs and tables</li> <li>• Visual data presented in historical evidence</li> </ul> <p>C. Evaluate historical interpretation of events.</p> <ul style="list-style-type: none"> <li>• Impact of opinions on the perception of facts</li> <li>• Issues and problems in the past</li> <li>• Multiple points of view</li> <li>• Illustrations in historical stories and sources</li> <li>• Connections between causes and results</li> <li>• Author or source of historical narratives' points of view</li> <li>• Central issue</li> </ul> <p>D. Synthesize historical research.</p> <ul style="list-style-type: none"> <li>• Historical event (time and place)</li> <li>• Facts, folklore and fiction</li> <li>• Historical questions</li> <li>• Primary sources</li> <li>• Secondary sources</li> <li>• Conclusions (e.g., Senior Projects, research papers, debates)</li> <li>• Credibility of evidence</li> </ul>
<b>Historical Analysis and Skill Development are learned through and applied to the standards statements and their descriptors for 8.2. Pennsylvania History, 8.3. United States History and 8.4. World History.</b>			

<b>8.2. Pennsylvania History</b>			
<b>8.2.3. GRADE 3</b>	<b>8.2.6. GRADE 6</b>	<b>8.2.9. GRADE 9</b>	<b>8.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze cultural, economic, geographic, political and social relations to . . .</i></b>			
<p>A. Understand the political and cultural contributions of individuals and groups to Pennsylvania history.</p> <ul style="list-style-type: none"> <li>• William Penn</li> <li>• Benjamin Franklin</li> <li>• Pennsylvanians impacting American Culture (e.g., John Chapman, Richard Allen, Betsy Ross, Mary Ludwig Hayes, Rachel Carson, Elizabeth Jane Cochran, Marian Anderson)</li> <li>• Local historical figures in municipalities and counties.</li> </ul> <p>B. Identify and describe primary documents, material artifacts and historic sites important in Pennsylvania history.</p> <ul style="list-style-type: none"> <li>• Documents, Writings and Oral Traditions (e.g., Penn's Charter, Pennsylvania "Declaration of Rights")</li> <li>• Artifacts, Architecture and Historic Places (e.g., Local historical sites, museum collections, Independence Hall)</li> <li>• Liberty Bell</li> <li>• Official Commonwealth symbols (e.g., tree, bird, dog, insect)</li> </ul>	<p>A. Identify and explain the political and cultural contributions of individuals and groups to Pennsylvania history from Beginnings to 1824.</p> <ul style="list-style-type: none"> <li>• Inhabitants (e.g., Native Americans, Europeans, Africans)</li> <li>• Military Leaders (e.g., Anthony Wayne, Oliver H. Perry, John Muhlenberg)</li> <li>• Political Leaders (e.g., William Penn, Hannah Penn, Benjamin Franklin)</li> <li>• Cultural and Commercial Leaders (e.g., Robert Morris, John Bartram, Albert Gallatin)</li> <li>• Innovators and Reformers (e.g., Society of Friends, Richard Allen, Sybilla Masters)</li> </ul> <p>B. Identify and explain primary documents, material artifacts and historic sites important in Pennsylvania history from Beginnings to 1824.</p> <ul style="list-style-type: none"> <li>• Documents, Writings and Oral Traditions (e.g., Charter of Privileges, The Gradual Abolition of Slavery Act of 1780, <i>Letters from a Pennsylvania Farmer</i>)</li> <li>• Artifacts, Architecture and Historic Places (e.g., Conestoga Wagon, Pennsylvania rifle, Brig Niagara)</li> </ul>	<p>A. Analyze the political and cultural contributions of individuals and groups to Pennsylvania history from 1787 to 1914.</p> <ul style="list-style-type: none"> <li>• Political Leaders (e.g., James Buchanan, Thaddeus Stevens, Andrew Curtin)</li> <li>• Military Leaders (e.g., George Meade, George McClellan, John Hartranft)</li> <li>• Cultural and Commercial Leaders (e.g., John J. Audubon, Rebecca Webb Lukens, Stephen Foster)</li> <li>• Innovators and Reformers (e.g., George Westinghouse, Edwin Drake, Lucretia Mott)</li> </ul> <p>B. Identify and analyze primary documents, material artifacts and historic sites important in Pennsylvania history from 1787 to 1914.</p> <ul style="list-style-type: none"> <li>• Documents, Writings and Oral Traditions (e.g., Pennsylvania Constitutions of 1838 and 1874, The "Gettysburg Address," <i>The Pittsburgh Survey</i>)</li> <li>• Artifacts, Architecture and Historic Places (e.g., Gettysburg, Eckley Miners' Village, Drake's Well)</li> </ul>	<p>A. Evaluate the political and cultural contributions of individuals and groups to Pennsylvania history from 1890 to Present.</p> <ul style="list-style-type: none"> <li>• Political Leaders (e.g., Gifford Pinchot, Genevieve Blatt, K. Leroy Irvis)</li> <li>• Military Leaders (e.g., Tasker H. Bliss, Henry "Hap" Arnold, George C. Marshall)</li> <li>• Cultural and Commercial Leaders (e.g., Milton Hershey, Marian Anderson, Fred Rogers)</li> <li>• Innovators and Reformers (e.g., Frank Conrad, Rachel Carson, Joseph Rothrock)</li> </ul> <p>B. Identify and evaluate primary documents, material artifacts and historic sites important in Pennsylvania history from 1890 to Present.</p> <ul style="list-style-type: none"> <li>• Documents, Writings and Oral Traditions (e.g., Constitution of 1968, <i>Silent Spring</i> by Rachel Carson, Pennsylvania historical markers)</li> <li>• Artifacts, Architecture and Historic Places (e.g., 28th Division Shrine, Fallingwater, Levittown, Allegheny Ridge heritage corridor)</li> </ul>

<b>8.2. Pennsylvania History</b>			
<b>8.2.3. GRADE 3</b>	<b>8.2.6. GRADE 6</b>	<b>8.2.9. GRADE 9</b>	<b>8.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze cultural, economic, geographic, political and social relations to . . .</i></b>			
<p>C. Identify and describe how continuity and change have influenced Pennsylvania history.</p> <ul style="list-style-type: none"> <li>• Belief Systems and Religions (e.g., Native Americans, early settlers, contemporary religions)</li> <li>• Commerce and Industry (e.g., jobs, trade, environmental change)</li> <li>• Innovations (e.g., technology, ideas, processes)</li> <li>• Politics (e.g., rules, regulations, laws)</li> <li>• Settlement Patterns (e.g., farms, towns, rural communities, cities)</li> <li>• Social Organization (e.g., relationships of individuals, families, groups, communities; ability to be educated)</li> <li>• Transportation (e.g., methods of moving people and goods over time)</li> <li>• Women's Movement (e.g., changes in roles and rights over time)</li> </ul>	<p>C. Identify and explain how continuity and change have influenced Pennsylvania history from the Beginnings to 1824.</p> <ul style="list-style-type: none"> <li>• Belief Systems and Religions (e.g., Native Americans, Quakers)</li> <li>• Commerce and Industry (e.g., iron production, sailing, fur trade)</li> <li>• Innovations (e.g., steam boat, Conestoga Wagon)</li> <li>• Politics (e.g., The Mason-Dixon Line, Pennsylvania's acquisition and detachment of the "lower three counties," movements of State capital)</li> <li>• Settlement Patterns (e.g., native settlements, Westward expansion, development of towns)</li> <li>• Social Organization (e.g., trade and development of cash economy, African Methodist Episcopal Church founded, schools in the colony)</li> <li>• Transportation (e.g., trade routes, turnpikes, post roads)</li> <li>• Women's Movement (e.g., voting qualifications, role models)</li> </ul>	<p>C. Identify and analyze how continuity and change have influenced Pennsylvania history from 1787 to 1914.</p> <ul style="list-style-type: none"> <li>• Belief Systems and Religions (e.g., Ephrata Cloister, Harmonists, Amish, immigrant influences)</li> <li>• Commerce and Industry (e.g., mining coal, producing iron, harvesting timber)</li> <li>• Innovations (e.g., John Roebling's steel cable, steel-tipped plow, improved techniques for making iron, steel and glass)</li> <li>• Politics (e.g., Fugitive Slave Act reaction, canal system legislation, The Free School Act of 1834)</li> <li>• Settlement Patterns (e.g., farms and growth of urban centers)</li> <li>• Social Organization (e.g., the Philadelphia Centennial Exposition of 1876, prohibition of racial discrimination in schools)</li> <li>• Transportation (e.g., canals, National Road, Thompson's Horseshoe Curve)</li> <li>• Women's Movement (e.g., work of the Equal Rights League of Pennsylvania)</li> </ul>	<p>C. Identify and evaluate how continuity and change have influenced Pennsylvania history from the 1890s to Present.</p> <ul style="list-style-type: none"> <li>• Belief Systems and Religions (e.g., Buddhism, Christianity, Hinduism, Islam, Judaism)</li> <li>• Commerce and Industry (e.g., work of defense industries, rise and decline of the steel industry, increase of service industries)</li> <li>• Innovations (e.g., polio vaccine, air pollution examined, nuclear power plants)</li> <li>• Politics (e.g., Great Depression special legislative session, creation of the state income tax)</li> <li>• Settlement Patterns (e.g., growth and decline of cities, coal towns, Pittsburgh Renaissance)</li> <li>• Social Organization (e.g., creation of the State Soil Conservation Commission, First Amendment challenges to education, social services)</li> <li>• Transportation (e.g., Pennsylvania Turnpike, Interstate highways, international airports)</li> <li>• Women's Movement (e.g., League of Women Voters, Commission for Women)</li> </ul>

<b>8.2. Pennsylvania History</b>			
<b>8.2.3. GRADE 3</b>	<b>8.2.6. GRADE 6</b>	<b>8.2.9. GRADE 9</b>	<b>8.2.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze cultural, economic, geographic, political and social relations to . . .</i></b>			
<p>D. Identify and describe conflict and cooperation among social groups and organizations in Pennsylvania history.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., political, economic and geographic impact on daily activities)</li> <li>• Ethnic and Racial Relations (e.g., treatment of various ethnic and racial groups in history)</li> <li>• Labor Relations (e.g., working conditions, over time)</li> <li>• Immigration (e.g., diverse groups inhabiting the state)</li> <li>• Military Conflicts (e.g., struggle for control)</li> </ul>	<p>D. Identify and explain conflict and cooperation among social groups and organizations in Pennsylvania history from Beginnings to 1824.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., religious diversity, toleration and conflicts, incursion of the Iroquois)</li> <li>• Ethnic and Racial Relations (e.g., Penn's Treaties with Indians, the Underground Railroad, the abolition of slavery)</li> <li>• Labor Relations (e.g., indentured servants, working conditions)</li> <li>• Immigration (e.g., Germans, Irish)</li> <li>• Military Conflicts (e.g., Dutch, Swedish and English struggle for control of land, Wyoming Massacre, The Whiskey Rebellion)</li> </ul>	<p>D. Identify and analyze conflict and cooperation among social groups and organizations in Pennsylvania history from 1787 to 1914.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., impact of war, 1889 Johnstown Flood)</li> <li>• Ethnic and Racial Relations (e.g., Christiana riots, disenfranchisement and restoration of suffrage for African-Americans, Carlisle Indian School)</li> <li>• Labor Relations (e.g., National Trade Union, The "Molly Maguires," Homestead steel strike)</li> <li>• Immigration (e.g., Anti-Irish Riot of 1844, new waves of immigrants)</li> <li>• Military Conflicts (e.g., Battle of Lake Erie, the Mexican War, the Civil War)</li> </ul>	<p>D. Identify and evaluate conflict and cooperation among social groups and organizations in Pennsylvania history from 1890 to Present.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., The Great Depression, Three-Mile Island nuclear accident, floods of 1936, 1972 and 1977)</li> <li>• Ethnic and Racial Relations (e.g., segregation, desegregation, racial profiling)</li> <li>• Labor Relations (e.g., strikes, work stoppages, collective bargaining)</li> <li>• Immigration (e.g., increased immigration from Europe, migration of African-Americans from the South, influx of Hispanic and Asian peoples)</li> <li>• Military Conflicts (e.g., World War I, World War II, Persian Gulf War)</li> </ul>
<p><b>Standard Category 8.1. Historical Analysis and Skills Development should be applied to the above standard statements and descriptors. Suggested chronology for grade levels 4-6, 7-9 and 10-12 focus on a particular century; however, instruction is encouraged that draws on prior and later events in history so that students may develop a seamless view of the world.</b></p>			

<b>8.3. United States History</b>			
<b>8.3.3. GRADE 3</b>	<b>8.3.6. GRADE 6</b>	<b>8.3.9. GRADE 9</b>	<b>8.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze cultural, economic, geographic, political and social relations to . . .</i></b>			
<p>A. Identify contributions of individuals and groups to United States history.</p> <ul style="list-style-type: none"> <li>• George Washington</li> <li>• Thomas Jefferson</li> <li>• Abraham Lincoln</li> <li>• Theodore Roosevelt</li> <li>• Franklin D. Roosevelt</li> <li>• Individuals who are role models (e.g., Abigail Adams, Sacajawea, Frederick Douglass, Clara Barton, Jackie Robinson, Rosa Parks, Archbishop Patrick Flores, Jamie Escalante, Sally Ride, Tiger Woods, Cal Ripken, Jr., Sammy Sosa)</li> </ul> <p>B. Identify and describe primary documents, material artifacts and historic sites important in United States history.</p> <ul style="list-style-type: none"> <li>• Documents (e.g., Declaration of Independence, U.S. Constitution, Bill of Rights)</li> <li>• Writings and Communications (e.g., Pledge of Allegiance, famous quotations and sayings)</li> <li>• Historic Places (e.g., The White House, Mount Rushmore, Statue of Liberty)</li> <li>• The Flag of the United States</li> </ul>	<p>A. Identify and explain the political and cultural contributions of individuals and groups to United States history from Beginnings to 1824.</p> <ul style="list-style-type: none"> <li>• Native Americans, Africans and Europeans</li> <li>• Political Leaders (e.g., John Adams, Thomas Jefferson, John Marshall)</li> <li>• Military Leaders (e.g., George Washington, Meriwether Lewis, Henry Knox)</li> <li>• Cultural and Commercial Leaders (e.g., Paul Revere, Phyllis Wheatley, John Rolfe)</li> <li>• Innovators and Reformers (e.g., Ann Hutchinson, Roger Williams, Junipero Serra)</li> </ul> <p>B. Identify and explain primary documents, material artifacts and historic sites important in United States history from Beginnings to 1824.</p> <ul style="list-style-type: none"> <li>• Documents (e.g., Mayflower Compact, Northwest Ordinance, Washington's Farewell Address)</li> <li>• 18th Century Writings and Communications (e.g., Paine's <i>Common Sense</i>; Franklin's "Join, or Die," Henry's "Give me liberty or give me death")</li> <li>• Historic Places (e.g., Cahokia Mounds, Spanish Missions, Jamestown)</li> </ul>	<p>A. Identify and analyze the political and cultural contributions of individuals and groups to United States history from 1787 to 1914.</p> <ul style="list-style-type: none"> <li>• Political Leaders (e.g., Daniel Webster, Abraham Lincoln, Andrew Johnson)</li> <li>• Military Leaders (e.g., Andrew Jackson, Robert E. Lee, Ulysses S. Grant)</li> <li>• Cultural and Commercial Leaders (e.g., Jane Addams, Jacob Riis, Booker T. Washington)</li> <li>• Innovators and Reformers (e.g., Alexander G. Bell, Frances E. Willard, Frederick Douglass)</li> </ul> <p>B. Identify and analyze primary documents, material artifacts and historic sites important in United States history from 1787 to 1914.</p> <ul style="list-style-type: none"> <li>• Documents (e.g., Fugitive Slave Law, Treaty of Guadalupe Hidalgo, Emancipation Proclamation)</li> <li>• 19th Century Writings and Communications (e.g., Stowe's <i>Uncle Tom's Cabin</i>, Brown's "Washed by Blood," Key's Star Spangled Banner)</li> <li>• Historic Places (e.g., The Alamo, Underground Railroad sites, Erie Canal)</li> </ul>	<p>A. Identify and evaluate the political and cultural contributions of individuals and groups to United States history from 1890 to Present.</p> <ul style="list-style-type: none"> <li>• Political Leaders (e.g., Theodore Roosevelt, Woodrow Wilson, Franklin D. Roosevelt)</li> <li>• Military Leaders (e.g., John Pershing, Douglas MacArthur, Dwight D. Eisenhower)</li> <li>• Cultural and Commercial Leaders (e.g., Abby Aldrich Rockefeller, Langston Hughes, Alan Greenspan)</li> <li>• Innovators and Reformers (e.g., Wilbur and Orville Wright, John L. Lewis, Reverend Dr. Martin Luther King)</li> </ul> <p>B. Identify and evaluate primary documents, material artifacts and historic sites important in United States history from 1890 to Present.</p> <ul style="list-style-type: none"> <li>• Documents (e.g., Treaty of Versailles, North Atlantic Treaty, Neutrality Acts)</li> <li>• 20th Century Writings and Communication (e.g., Coolidge's "The Business of America is Business," King's "I Have A Dream," Armstrong's "One Small Step for Man")</li> <li>• Historic Places (e.g., Ellis Island, Pearl Harbor, Los Alamos)</li> </ul>

<b>8.3. United States History</b>			
<b>8.3.3. GRADE 3</b>	<b>8.3.6. GRADE 6</b>	<b>8.3.9. GRADE 9</b>	<b>8.3.12. GRADE 12</b>
<p><b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze cultural, economic, geographic, political and social relations to . . .</i></b></p>			
<p>C. Identify important changes in United States history (e.g., Belief Systems and Religions, Commerce and Industry, Innovations, Politics, Settlement Patterns and Expansion, Social Organization, Transportation, Women's Movement).</p>	<p>C. Explain how continuity and change has influenced United States history from Beginnings to 1824.</p> <ul style="list-style-type: none"> <li>• Belief Systems and Religions (e.g., impact on daily life, colonial government established religions, communal sects)</li> <li>• Commerce and Industry (e.g., fur trade, development of cash crops)</li> <li>• Innovations (e.g., cotton gin, Whitney; wooden clock, Banneker; stove, Franklin)</li> <li>• Politics (e.g., Hamilton's defense of John Peter Zenger, The Great Compromise, <i>Marbury v. Madison</i>)</li> <li>• Settlement Patterns (e.g., frontier settlements, slave plantation society, growth of cities)</li> <li>• Social Organization (e.g., community structure on the frontier, cultural and language barriers)</li> <li>• Transportation and Trade (e.g., methods of overland travel, water transportation, National Road)</li> <li>• Women's Movement (e.g., roles and changing status of women, Margaret Brent's vote, soldier Deborah Sampson)</li> </ul>	<p>C. Analyze how continuity and change has influenced United States history from 1787 to 1914.</p> <ul style="list-style-type: none"> <li>• Belief Systems and Religions (e.g., 19th century trends and movements)</li> <li>• Commerce and Industry (e.g., growth of manufacturing industries, economic nationalism)</li> <li>• Innovations (e.g., Brooklyn Bridge, refrigerated shipping, telephone)</li> <li>• Politics (e.g., election of 1860, impeachment of Andrew Johnson, Jim Crow Laws)</li> <li>• Settlement Patterns and Expansion (e.g., Manifest Destiny, successive waves of immigrants, purchase of Alaska and Hawaii)</li> <li>• Social Organization (e.g., social class differences, women's rights and antislavery movement, education reforms)</li> <li>• Transportation and Trade (e.g., Pony Express, telegraph, Transcontinental Railroad)</li> <li>• Women's Movement (e.g., roles in the Civil War, medical college for women, Seneca Falls Conference)</li> </ul>	<p>C. Evaluate how continuity and change has influenced United States history from 1890 to Present.</p> <ul style="list-style-type: none"> <li>• Belief Systems and Religions (e.g., 20th century movements, religions of recent immigrants)</li> <li>• (Commerce and Industry (e.g., corporations, conglomerates, multinational corporations)</li> <li>• Innovations (e.g., The Tin Lizzie, radio, World Wide Web)</li> <li>• Politics (e.g., New Deal legislation, <i>Brown v. Topeka</i>, isolationist/non-isolationist debate)</li> <li>• Settlement Patterns (e.g., suburbs, large urban centers, decline of city population)</li> <li>• Social Organization (e.g., compulsory school laws, court decisions expanding individual rights, technological impact)</li> <li>• Transportation and Trade (e.g., expansion and decline of railroads, increased mobility, Internet)</li> <li>• Women's Movement (e.g., right to vote, women in the war effort, Women's Peace Party)</li> </ul>



<b>8.3. United States History</b>			
<b>8.3.3. GRADE 3</b>	<b>8.3.6. GRADE 6</b>	<b>8.3.9. GRADE 9</b>	<b>8.3.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze cultural, economic, geographic, political and social relations to . . .</i></b>			
<p>D. Identify conflict and cooperation among social groups and organizations in United States history.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., impact on daily activities)</li> <li>• Ethnic and Racial Relations (e.g., treatment of minority groups in history)</li> <li>• Labor Relations (e.g., working conditions over time)</li> <li>• Immigration (e.g., diverse groups inhabiting the state)</li> <li>• Military Conflicts (e.g., struggle for control)</li> </ul>	<p>D. Identify and explain conflict and cooperation among social groups and organizations in United States history from Beginnings to 1824.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., Salem Witch Trials, Shays Rebellion, religious persecution)</li> <li>• Ethnic and Racial Relations (e.g., cooperation between and among Native Americans and European settlers, slave uprisings, "Colored" troops in the Revolution)</li> <li>• Labor Relations (e.g., early union efforts, 10-hour day, women's role)</li> <li>• Immigration and Migration (e.g., western settlements, Louisiana Purchase, European immigration)</li> <li>• Military Conflicts (e.g., French and Indian War, American Revolutionary War, War of 1812)</li> </ul>	<p>D. Identify and analyze conflict and cooperation among social groups and organizations in United States history from 1787 to 1914.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., wartime confiscation of private property, abolitionist movement, Reconstruction)</li> <li>• Ethnic and Racial Relations (e.g., Cherokee Trail of Tears, slavery and the Underground Railroad, draft riots)</li> <li>• Labor Relations (e.g., female and child labor, trade unionism, strike breakers)</li> <li>• Immigration and Migration (e.g., Manifest Destiny, eastern and southern European immigration, Chinese Exclusion Act)</li> <li>• Military Conflicts (e.g., Native American opposition to expansion and settlement, Civil War, Spanish-American War)</li> </ul>	<p>D. Identify and evaluate conflict and cooperation among social groups and organizations in United States history from 1890 to the Present.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., Great Depression, assassination of political and social leaders, terrorist threats)</li> <li>• Ethnic and Racial Relations (e.g., internment camps for Japanese Americans, Montgomery Alabama Bus Boycott, land tensions with Native Americans)</li> <li>• Labor Relations (e.g., rise and decline of industrial unions, free trade agreements, imports impact on domestic employment)</li> <li>• Immigration and Migration (e.g., anti-immigrant attitudes, quota laws, westward and southward migration)</li> <li>• Military Conflicts (e.g., World War I, World War II, War on Terrorism)</li> </ul>
<p><b>Standard Category 8.1. Historical Analysis and Skills Development should be applied to the above standard statements and descriptors. Suggested chronology for grade levels 4-6, 7-9 and 10-12 focus on a particular century; however, instruction is encouraged that draws on prior or later events in history so that students may develop a seamless view of the world.</b></p>			

<b>8.4. World History</b>			
<b>8.4.3. GRADE 3</b>	<b>8.4.6. GRADE 6</b>	<b>8.4.9. GRADE 9</b>	<b>8.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze cultural, economic, geographic, political and social relations to . . .</i></b>			
<p>A. Identify individuals and groups who have made significant political and cultural contributions to world history.</p> <ul style="list-style-type: none"> <li>• Africa (e.g., Nefertiti, Mansa Musa, Nelson Mandela)</li> <li>• Americas (e.g., Montezuma, Simon Bolivar, Fidel Castro)</li> <li>• Asia (e.g., Hammurabi, Mohandas Gandhi, Benazir Bhutto)</li> <li>• Europe (e.g., Julius Ceasar, Joan of Arc, Pope John Paul)</li> </ul> <p>B. Identify historic sites and material artifacts important to world history.</p> <ul style="list-style-type: none"> <li>• Africa (e.g., Pyramids, treasures of Tutankhamen, Nefertiti's sculpture)</li> <li>• Americas (e.g., Olmec ritualistic centers, Mayan pyramids, arrowheads)</li> <li>• Asia (e.g., Code of Hammurabi, Ziggurat at Ur, canals)</li> <li>• Europe (e.g., ancient megaliths, Arc de Triomphe, Acropolis)</li> </ul>	<p>A. Identify and explain how individuals and groups made significant political and cultural contributions to world history.</p> <ul style="list-style-type: none"> <li>• Africa (e.g., Nelson Mandela, Desmond Tutu, F. W. de Klerk, Pieter Botha, African National Congress)</li> <li>• Americas (e.g., Pizarro, Atahualpa, Aztecs, Incas, Montezuma, Cortez)</li> <li>• Asia (e.g., Tokugawa Ieyasu, Toyotomi clan, shogun Iemitsu, Commodore Perry, daimyo)</li> <li>• Europe (e.g., Pope Leo X, John Calvin, John Wesley, Martin Luther, Ignatius of Loyola)</li> </ul> <p>B. Identify and explain important documents, material artifacts and historic sites in world history.</p> <ul style="list-style-type: none"> <li>• Africa (e.g., Prohibition of Marriages Act, prison on Robben Island)</li> <li>• Americas (e.g., Tenochtitlan, Aztec masks)</li> <li>• Asia (e.g., samurai sword, Commodore Perry's Black Ships)</li> <li>• Europe (e.g., Luther's Ninety-Five Theses, Wittenberg Castle Church)</li> </ul>	<p>A. Analyze the significance of individuals and groups who made major political and cultural contributions to world history before 1500.</p> <ul style="list-style-type: none"> <li>• Political and Military Leaders (e.g., King Ashoka, Montezuma I, Ghenghis Khan, William the Conqueror)</li> <li>• Cultural and Commercial Leaders (e.g., Mansa Musa, Yak Pac, Cheng Ho, Marco Polo)</li> <li>• Innovators and Reformers (e.g., Erastostenes, Tupac Inka Yupenqui, Johannes Gutenberg)</li> </ul> <p>B. Analyze historical documents, material artifacts and historic sites important to world history before 1500.</p> <ul style="list-style-type: none"> <li>• Documents, Writings and Oral Traditions (e.g., Rosetta Stone, Aztec glyph writing, Dead Sea Scrolls, Magna Carta)</li> <li>• Artifacts, Architecture and Historic Places (e.g., Ethiopian rock churches, Mayan pyramids, Nok terra cotta figures, megaliths at Stonehenge)</li> <li>• Historic districts (e.g., Memphis and its Necropolis, Sanctuary of Machu Picchu, Old City of Jerusalem and its Walls, Centre of Rome and the Holy See)</li> </ul>	<p>A. Evaluate the significance of individuals and groups who made major political and cultural contributions to world history since 1450.</p> <ul style="list-style-type: none"> <li>• Political and Military Leaders (e.g., Askia Daud, Simon Bolivar, Napoleon Bonaparte, Mao Zedong)</li> <li>• Cultural and Commercial Leaders (e.g., Chinua Achebe, Gabriel Garcia Marquez, Akira Kurosa, Christopher Columbus)</li> <li>• Innovators and Reformers (e.g., Nelson Mandela, Louis-Joseph Papineau, Mohandas Gandhi, Alexander Fleming)</li> </ul> <p>B. Evaluate historical documents, material artifacts and historic sites important to world history since 1450.</p> <ul style="list-style-type: none"> <li>• Documents, Writings and Oral Traditions (e.g., Declaration of the International Conference on Sanctions Against South Africa; Monroe Doctrine, Communist Manifesto, Luther's Ninety-five Theses)</li> <li>• Artifacts, Architecture and Historic Places (e.g., Robben Island, New York Trade Center, Hiroshima Ground Zero Memorial, Nazi concentration camps)</li> <li>• Historic districts (e.g., Timbuktu, Centre of Mexico City and Xochimilco, Taj Mahal and Gardens, Kremlin and Red Square)</li> </ul>

<b>8.4. World History</b>			
<b>8.4.3. GRADE 3</b>	<b>8.4.6. GRADE 6</b>	<b>8.4.9. GRADE 9</b>	<b>8.4.12. GRADE 12</b>
<b><i>Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to analyze cultural, economic, geographic, political and social relations to . . .</i></b>			
<p>C. Compare similarities and differences between earliest civilizations and life today. (e.g., Africa, Egypt; Asia, Babylonia; Americas, Olmec; Europe, Neolithic settlements).</p> <p>D. Identify how conflict and cooperation among social groups and organizations affected world history.</p> <ul style="list-style-type: none"> <li>• Domestic Instability (e.g., political, economic and geographic impact on normal activities)</li> <li>• Labor Relations (e.g., working conditions over time)</li> <li>• Racial and Ethnic Relations (e.g., treatment of various ethnic and racial groups in history)</li> <li>• Immigration and migration (e.g., diverse groups inhabiting a territory)</li> <li>• Military Conflicts (e.g., struggle for control)</li> </ul>	<p>C. Identify and explain how continuity and change has affected belief systems, commerce and industry, innovations, settlement patterns, social organizations, transportation and women's roles in world history.</p> <ul style="list-style-type: none"> <li>• Africa (e.g., Apartheid)</li> <li>• Americas (e.g., European conquest)</li> <li>• Asia (e.g., Japanese society prior to the Meiji Restoration)</li> <li>• Europe (e.g., Impact of the Great Schism and Reformation)</li> </ul> <p>D. Explain how conflict and cooperation among social groups and organizations affected world history</p> <ul style="list-style-type: none"> <li>• Africa (e.g., imperialism)</li> <li>• Americas (e.g., European diseases)</li> <li>• Asia (e.g., trade routes)</li> <li>• Europe (e.g., Counter reformation)</li> </ul>	<p>C. Analyze how continuity and change throughout history has impacted belief systems and religions, commerce and industry, innovations, settlement patterns, social organization, transportation and roles of women before 1500.</p> <ul style="list-style-type: none"> <li>• Africa</li> <li>• Americas</li> <li>• Asia</li> <li>• Europe</li> </ul> <p>D. Analyze how conflict and cooperation among social groups and organizations impacted world history through 1500 in Africa, Americas, Asia and Europe</p> <ul style="list-style-type: none"> <li>• Domestic Instability</li> <li>• Ethnic and Racial Relations</li> <li>• Labor Relations</li> <li>• Immigration and Migration</li> <li>• Military Conflicts</li> </ul>	<p>C. Evaluate how continuity and change throughout history has impacted belief systems and religions, commerce and industry, innovations, settlement patterns, social organization, transportation and roles of women since 1450.</p> <ul style="list-style-type: none"> <li>• Africa</li> <li>• Americas</li> <li>• Asia</li> <li>• Europe</li> </ul> <p>D. Evaluate how conflict and cooperation among social groups and organizations impacted world history from 1450 to Present in Africa, Americas, Asia and Europe.</p> <ul style="list-style-type: none"> <li>• Domestic Instability</li> <li>• Ethnic and Racial Relations</li> <li>• Labor Relations</li> <li>• Immigration and Migration</li> <li>• Military Conflicts</li> </ul>
<p><b>Standard Category 8.1. Historical Analysis and Skills Development should be applied to the above standard statements and descriptors. Suggested chronology in organizing the content for grade levels 7-9 and 10-12 use the 15th century as the dividing point; however, instruction is encouraged that draws on prior and later events in history so that students may develop a seamless view of the world.</b></p>			

#### XXIV. GLOSSARY

<b>Artifact:</b>	Any object made by human work or skill.
<b>Beginnings:</b>	A demarcation of time designating studies to commence with the written historical record.
<b>Central issue:</b>	The primary concern from which other problems or matters are derived. For example, today's world migration flows are a central issue from which other concerns such as terrorist threats may arise.
<b>Chronology:</b>	The science of measuring time and of dating events. Examples include BCE (before the common era) and CE (common era). Another reference to chronology is CA, around the time, circa.
<b>Conflict:</b>	The opposition of persons or groups that gives rise to dramatic action. Such actions could include the use of force as in combat.
<b>Culture:</b>	The skills and arts of a given people in a given period of time or a civilization.

<b>Document:</b>	Anything written or printed used to record or prove something.
<b>Historical evidence:</b>	Something that makes something else noticeable, obvious or evident.
<b>Historical passage:</b>	An article or section of a longer work that has importance to the past.
<b>Innovation:</b>	The introduction of something new; an idea, method or devise.
<b>Interpretation:</b>	Explanation or to reply to a situation in order to make sense of it (e.g., a time period, an individual's actions).
<b>Memorial:</b>	An object or ceremony serving as a remembrance for a person, group, day, site or event.
<b>Museum:</b>	A historical display in a building, room, etc. for exhibiting artistic, historical or scientific objects.
<b>Present:</b>	A demarcation of time designating studies to the current year.
<b>Opinion:</b>	A belief based not on certainty but on what seems to be true or probable.
<b>Strike:</b>	A work stoppage by employees organized against the management of a business entity.
<b>Time lines:</b>	A measure of a period during which something exists or happens; usually displayed in chronological order on a graph or linear lines.
<b>War:</b>	A conflict in which two or more nations or two or more entities inside a nation are at odds.
<b>Xenophobia:</b>	An intense fear or dislike of groups unknown or not within one's experience including the group's customs and culture.

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