#### **EMERGENCY ACTION PLAN**

#### SURVEILLANCE, WARNING AND EVACUATION PROCEDURES

#### NEW KERNSVILLE DAM DEP NUMBER D06-434

#### LOCATED ACROSS THE SCHUYLKILL RIVER TILDEN AND WINDSOR TOWNSHIPS, BERKS COUNTY

LATITUDE 40° 34' 23" LONGITUDE 76° 00' 06"

#### SIZE CATEGORY "B" HAZARD POTENTIAL CATEGORY "1"

<b>OPERATED BY:</b>	MINING ENGINEER MANAGER		
	ANTHRACITE AMD DESIGN & OPERATION SUPPORT		
	BUREAU OF CONSERVATION AND RESTORATION		
	2 PUBLIC SQUARE 5TH FL		
	WILKES-BARRE, PA 18711		
<b>TELEPHONE:</b>	BUSINESS: (570) 830-3171 or (570) 826-2371		
	24-HR. TELEPHONE: (570) 239-5700 (cell) or (717) 787-4343		

<b>OWNED BY:</b>	COMMONWEALTH OF PENNSYLVANIA
	BUREAU OF CONSERVATION AND RESTORATION
ADDRESS:	DEPARTMENT OF ENVIRONMENTAL PROTECTION
	BUREAU OF CONSERVATION AND RESTORATION
	<b>10TH FLOOR, RACHEL CARSON STATE OFFICE BLDG</b>
	400 MARKET STREET
	HARRISBURG, PA 17101
<b>TELEPHONE:</b>	<b>OFFICE: (717) 787-5267</b>
	24-HOUR: (717) 787-4343
	E-MAIL: RA-epcontactus@pa.gov
WEB PAGE:	www.depweb.state.pa.us

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#### PROMULGATION AND CONCURRENCE

We, the undersigned, on date indicated, have reviewed the requested support activity in the Emergency Action Plan for the New Kernsville Dam. Our support action will be executed in accordance with existing recommended operating guidelines and existing municipal or county emergency operation plans.

MINING ENGINEER MANAGER DAM OPERATOR

BUREAU DIRECTOR CO DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CONSERVATION AND RESTORATION DAM OWNER

BRIAN GOT OORN tt.

BERKS COUNTY EMA

TROY HATT, COORDINATOR NORTHCENTRAL REGIONAL EMA

KARA MOWBRAY BERKS COUNTY CHAPTER OF THE AMERICAN RED CROSS

0/25/15 DATE

## PEMA AND DEP ACKNOWLEDGEMENTS

The Pennsylvania Emergency Management Agency has reviewed the NEW KERNSVILLE DAM (D06-434) Emergency Action Plan for appropriate content.

A Eastern Area Office **Director**, P

The Department of Environmental Protection, Division of Dam Safety, has reviewed the NEW KERNSVILLE DAM (D06-434) Emergency Action Plan for appropriate content.

ivision of Dam Safety

DATE

#### I. PURPOSE AND SCOPE

- A. To safeguard the lives as well as to reduce property damage of the citizens living within the dam's potential downstream flood or inundation area.
- B. To provide for effective dam surveillance, prompt notification to local emergency management agencies, citizen warning and evacuation response, when required.
- C. To identify emergency actions to be taken by the dam owner/operator, public officials, emergency personnel, and to outline response actions in the event of a potential or imminent failure of the dam.

#### II. SITUATION

- A. The dam is a 45-foot high, 1,600-foot long concrete-gravity overflow dam constructed for the purpose of trapping sediment. The dam has a normal pool of 583 acre-feet at the crest of the 600-foot-long overflow spillway (El. 383.0 MSL). At the top of the non-overflow portion of the dam (El. 393.9 MSL), the total volume of impounded water would be approximately 1,260 acre-feet.
- B. The dam is located on the Schuylkill River, on the northwest boundary of the Borough of Hamburg and the eastern boundary of the Township of Tilden. Refer to the Location Map at **Attachment C**.
- C. The inundation area resulting from a sudden dam failure extends from the dam on the Schuylkill River downstream a distance of about 1.2 miles past the Borough of Hamburg. The inundated area along the Schuylkill River generally ranges in width from 1,000 to 2,000 feet. The area affected by the inundation includes several houses near Port Clinton Avenue in Hamburg. Refer to the Inundation Map at **Attachment A.**
- D. There are approximately five houses within the inundation area, impacting approximately 20 people. Refer to the Inundation Map at **Attachment A.**

#### III. CONCEPT OF OPERATIONS

- A. SURVEILLANCE NORMAL CONDITIONS (DAM OWNER OR OPERATOR)
  - 1. The Mining Engineer Manager or his designated representative will conduct an on-site visual inspection of the dam, the dam's spillway(s), control systems, and the toe area below the dam at a minimum of once every three months. Any abnormal or questionable conditions will be immediately brought to the attention of the owner's engineer and the Division of Dam Safety of DEP.

#### B. SURVEILLANCE – UNUSUAL EVENT CONDITIONS (DAM WATCH)

1. The Mining Engineer Manager or his designated representative will commence surveillance of conditions at the dam site when:

- a. Severe thunderstorms or heavy rains with local flood warnings, tropical storms and hurricanes, or heavy rains with frozen ground and/or snow cover are occurring.
- b. The National Weather Service issues a flash flood watch or warning and conditions warrant.
- c. Any abnormal or questionable conditions as identified in Section III.D.1.

#### C. EARLY WARNING NOTIFICATION

- 1. The Mining Engineer Manager or his designated representative is responsible for determining the dam's threat potential. The following conditions constitute early warning notification to the Berks County PSAP/911 and require 24-hour around-the-clock surveillance.
  - a. The water level in the impoundment area has reached the threshold level of 9 feet below the top of the dam and is rising, or
  - b. Following the occurrence of an earthquake in the general region of the dam.
- 2. Early warning notification will be relayed from the Berks County PSAP/911 to the Berks County EMC, the PEMA State EOC and all applicable emergency responders and designated government officials and agencies. Refer to Section IV.B. for additional notifications.

#### D. WARNING AND EVACUATION NOTIFICATION

- 1. The Mining Engineer Manager or his designated representative is responsible for determining the dam's threat potential. The following conditions constitute a dam emergency requiring warning and evacuation notification to the Berks County PSAP/911.
  - a. The depth of flow over the 600-foot-long spillway has reached a depth of 10 feet (staff gage on the spillway might be needed), and
  - b. The water level in the impoundment area has reached the threshold level 0.9 feet below the top of the dam, or
  - c. Imminent failure of this dam might be indicated by observance of one or more of the following conditions at the dam site:
    - i. Any structural movement or failure of the concrete (masonry) spillway or the spillway abutment walls.
    - ii. Subsidence, sinkholes or cracks found in any part of the dam's embankment or abutting slopes.
- 2. Warning and evacuation notification will be relayed from the Berks County PSAP/911 to the Berks County EMC, the PEMA State EOC and

all applicable emergency responders and designated government officials and agencies. Refer to Section IV.B. for additional notifications.

- 3. Emergency management officials will accomplish the needed actions, which are explained in this EAP, in accordance with their existing recommended operating guidelines and existing municipal or county emergency operation plans.
- 4. Warning and evacuation of the public must commence upon notification by the Mining Engineer Manager or his designated representative of a potential or imminent failure of the dam. Emergency responders should initiate action in accordance with the plan outline and any existing internal organizational recommended operating guidelines, and existing municipal or county operation plans.

#### E. TERMINATION OF SURVEILLANCE AND NOTIFICATIONS

- 1. The Mining Engineer Manager or his designated representative may terminate 24 -hour surveillance of dam site conditions when:
  - a. All National Weather Service flash flood watches or warnings have expired, **and**
  - b. Heavy rains have ended and the water level is 9.5 feet below top of dam and is receding.
  - c. After a personal inspection of the dam site has been conducted by a knowledgeable professional engineer following an earthquake, overtopping of the dam, or an evacuation of the inundation area as a result of this EAP, or other serious problems resulting in a notification of a dam site emergency and the Department concurs with the results of the inspection.
- 2. Upon termination of 24 hour surveillance of dam site conditions, the Mining Engineer Manager or his designated representative shall notify the Berks County PSAP/911.
- 3. Termination of notifications will be relayed from the Berks County PSAP/911 to the Berks County EMC, the PEMA State EOC and all applicable emergency responders and designated government officials and agencies. Refer to Section IV.B. for additional notifications.

#### IV. RESPONSIBILITIES AND DUTIES - EMERGENCY RESPONSE

#### A. DAM OWNER OR DAM OPERATOR (DAM SITE EMERGENCY)

- 1. The Mining Engineer Manager or his designated representative will provide for 24-hour on-site dam surveillance and monitoring as required in Section III.C.1. and initiate early warning notification to the Berks County PSAP/911.
- 2. When the situation meets the criteria under the warning and evacuation notification guidelines, presented in Section III.D.1, indicating a failure of

the dam is possible or a significant threat condition is developing, the Mining Engineer Manager or his designated representative will initiate warning and evacuation communication to the Berks County PSAP/911.

#### B. COUNTY PSAP/911

- 1. The Berks County PSAP/911 will notify:
  - a. Berks County Department of Emergency Services (DES)
  - b. PEMA State EOC
  - c. Hamburg Borough Police Department
  - d. Tilden Township Police Department
  - e. Union Fire Company No.1 of Hamburg
  - f. PA State Police Hamburg Barracks
  - g. Hamburg Emergency Medical Services (EMS)
- C. Berks County DES
  - 1. The Berks County Department of Emergency Services (DES) will contact the following personnel and agencies:
    - a. National Weather Service
    - b. North Central Regional EMA
    - c. Media Warning and/or Evacuation (Activate EAS). Refer to Attachment E.
    - d. Berks County EOC staff, as necessary
    - e. American Red Cross Berks County Chapter (when mass care or family assistance is required). Coordinate sheltering per Annex K of County EOP.
    - f. Berks County elected officials
    - g. Hamburg Area School District (closure of school bus routes)
    - h. PEMA, Eastern Regional Office
    - i. PennDOT Berks County Office (Dist. 5-1)
    - 2. Berks DES will ascertain and report to PEMA any unmet needs requirements.
    - 4. Berks DES will initiate Damage Assessment and Recovery procedures as the situation requires.

#### D. LOCAL MUNICIPAL EMAs

#### NORTH CENTRAL REGIONAL EMA

1. Advise facilities with special needs individuals as outlined in the Emergency Operations Plan (EOP) and identified by the Hazard Vulnerability Analysis (areas impacted due to a dam failure and indicated on the Inundation Map).

- 2. Notify municipal elected officials and municipal services (water, sewer, etc.).
- 3. Keep the County EMA apprised of the situation.
- 4. Coordinate the evacuation (where appropriate).
- 5. Provide damage reporting to the Berks County EMC.

#### E. FIRE DEPARTMENTS

#### UNION FIRE COMPANY NO.1 OF HAMBURG

- 1. Provide citizen notification and route alerting to advise residents living within their jurisdiction (See Inundation Map Attachment A).
- 2. Assist in evacuation.
- 3. Assist police and EMS, as requested.
- 4. Provide communications support if feasible and requested.

#### F. POLICE SERVICES

#### HAMBURG BOROUGH POLICE DEPARTMENT PENNSYLVANIA STATE POLICE – HAMBURG BARRACKS TILDEN TOWNSHIP POLICE DEPARTMENT

- 1. Dispatch radio vehicle to dam site in order to provide alternate communications link to PSAP/911
- 2. Assist evacuation traffic flow and establish traffic control points (TCP) at pre-designated locations (See Inundation Map Attachment A and Traffic Control Points Attachment B).
- 3. Prevent unauthorized entry and provide security of evacuated areas.
- 4. Provide assistance with route alerting, if requested.

#### G. EMERGENCY MEDICAL SERVICES (EMS)

#### HAMBURG EMERGENCY MEDICAL SERVICES

- 1. Provide evacuation transportation assistance and coordinate with designated fire services agencies for transportation of persons with disabilities and any special needs.
- 2. Assist fire and police departments as requested.
- 2. Provide EMS support to any mass care center as requested.

# H. AMERICAN RED CROSS or VOLUNTEER ORGANIZATION ACTIVE IN DISASTERS (VOAD)

BERKS COUNTY CHAPTER (If requested by Berks County EMA)

1. Identify and activate an appropriate shelter, as necessary.

- 2. Support and maintain operations of the reception center.
- 3. Maintain communications with County EMC, local EMA and reception center.
- I. PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PennDOT)
  - 1. Provide services, signs, barricades and guidance on roads and bridges affecting the evacuation and recovery.

#### V. ADMINISTRATION AND LOGISTICS

- A. The NOTICE (Attachment F) will be posted in the following public places located within or near the inundation area:
  - 1. Northern Berks Regional Police Department
  - 2. PA State Police Hamburg Barracks
  - 3. Hamburg Borough Building
  - 4. Union Fire Company No. 1 of Hamburg
  - 5. Hamburg Borough Police Department
  - 6. Tilden Township Building
  - 7. Hamburg Bible Church
  - 8. Wawa Convenience Store
- B. The NOTICE (Attachment F) must state that copies of the Emergency Action Plan for this dam are available for inspection at the following locations:
  - Pennsylvania Department of Environmental Protection 10th Floor, Rachel Carson State Office Building 400 Market Street Harrisburg, PA 17011
  - Bureau of Conservation and Restoration
    Public Square 5th Fl
    Wilkes-Barre, PA 18711
  - Berks County Department of Emergency Services 2561 Bernville Road Reading, PA 19605
  - 4. Tilden Township Building 874 Hex Highway Hamburg, PA 19526
  - 5. Hamburg Borough Building 61 North Third Street Hamburg, PA 19526

- Windsor Township Building 730 Monument Road Hamburg, PA 19526
- C. A new NOTICE will be sent to those locations in paragraph "A" when the EAP is revised.
- D. The dam owner is responsible to verify posting of the NOTICE and documenting the status in the annual inspection report.

#### VI. AUTHORITY AND REFERENCES

#### A. AUTHORITY

- 1. The Dam Safety and Encroachments Act (32 P.S. Sections 693.1-693.27), May 16, 1985.
- 2. The Pennsylvania Code Title 25, Chapter 105 Dam Safety and Waterways Management, Section 105.63 and 105.134.
- 3. Emergency Management Services Code, 35 Pa C.S. Section 7101 et seq., as amended.

#### B. REFERENCES

- 1. Guidelines for Developing an Emergency Action Plan for Hazard Category 1, 2, & 3 Dams. Prepared by the Department of Environmental Protection, Water Management, Bureau of Waterways Engineering and Wetlands, Division of Dam Safety and the Pennsylvania Emergency Management Agency, January 2009.
- 2. Inspection, Maintenance and Operation of Dams in Pennsylvania. Prepared by the Department of Environmental Protection, Water Management, Bureau of Waterways Engineering and Wetlands, Division of Dam Safety, February 2009.
- 3. Berks County Emergency Operations Plan.

#### VII. DEFINITIONS

- A. **ABUTMENT** The part of the valley's hillside against which the dam abuts. Right and left abutments are those on respective sides of the dam as an observer looks downstream.
- B. **AFFECTED COUNTIES/MUNICIPALITIES** Those jurisdictions within Pennsylvania or adjoining states that, according to the inundation map, may experience flooding as a result of a failure of the dam.

- C. **BOIL** A disturbance in the surface layer of soil caused by water escaping under pressure from behind a water-retaining structure such as a dam or a levee. The boil may be accompanied by deposition of soil particles (usually sand or silt) in the form of a ring (miniature volcano) around the area where the water escapes.
- D. **BREACH** An opening or a breakthrough of a dam sometimes caused by rapid erosion of a section of earth embankment by water.
- E. **CONDUIT** A pipe used to convey water through or around or under a dam.
- F. **CONTROL TOWER** A structure in the dam or reservoir used to control withdraw of water from the reservoir through pipes or culverts.
- G. **CREST OF DAM** The crown of an overflow section of the dam. In the United States, the term "crest of dam" is often used when "top of dam" is intended. To avoid confusion, the terms **crest of spillway** and **top of dam** should be used for referring to the overflow section and dam proper, respectively.
- H. CULVERT (a) A drain or waterway structure built transversely under a road, railway, or embankment. A culvert usually comprises a pipe or a covered channel of box section. (b) A gallery or waterway constructed through any type of dam, which is normally dry but is used occasionally for discharging water; hence the terms scour culvert, drawoff culvert and spillway culvert.
- I. **DAM** A barrier built across a watercourse for impounding or diverting the flow of water.
- J. **DAM FAILURE** The uncontrolled release of a dam's impounded water. It is recognized that there are degrees of failure. Any malfunction or abnormality, outside the design assumptions and parameters, which adversely affect a dam's primary function of impounding water is properly considered a failure. Minor malfunctions or abnormalities can result in a sudden failure of a dam.
- K. **EARTH DAM (EARTHFILL DAM)** An embankment dam in which more than 50% of the total volume is formed of compacted fine-grained earth.
- L. **EMBANKMENT** Fill material, usually earth or rock, placed with sloping sides.
- M. **EMERGENCY** A condition of serious nature which develops unexpectedly and endangers the structural integrity of a dam or endangers downstream property and human life. An emergency requires immediate action.
- N. EAP Emergency Action Plan A formal document that identifies potential emergency conditions at a dam and specifies preplanned actions to be followed to minimize property damage and loss of life. It contains procedures and information to assist the dam owner in issuing early warning and notification messages to responsible downstream emergency management authorities of the emergency situation. It also contains inundation maps to show the emergency management authorities of the critical areas for action in case of an emergency.
- EOP Emergency Operations Plan "The document ... which describes the hazards, vulnerabilities, emergency management situations and assumptions that affect the municipality, the concept of operations during an emergency, and the various roles and assignments of the elected officials, emergency management coordinator and other emergency response personnel, whether paid or volunteer." (From PEMA Directive D2007-1). The EOP includes checklists for known critical facilities, special facilities, critical personnel, hearing impaired residents,

non-English speaking residents, residents requiring ambulance assistance, etc., as identified by local emergency management officials.

- P. **FACE** With reference to a structure, the external surface that limits the structure, e.g., the face of a wall or dam.
- Q. **FAILURE** An incident resulting in the uncontrolled release of water from an operating dam. See "Dam Failure".
- R. **FOUNDATION OF DAM** The natural material on which the dam structure is placed.
- S. **GROIN** That area along the contact (or intersection) of the face of a dam with the abutment.
- T. **HAZARD** A situation which creates the potential for adverse consequences such as loss of life, property damage, and adverse social and environmental impacts. Impacts may be for a defined area downstream of a dam from flood-waters released through spillways and outlet works of the dam or waters released by partial or complete failure of the dam. This could include an area upstream of the dam from effects of backwater flooding or effects of landslides around the reservoir perimeter.
- U. INUNDATION AREA The downstream area that would be flooded or otherwise affected by the failure of a dam or large flows. This area can be subject to a fast moving flood wave, 20 to 50 MPH is common, with a height of 1 foot to tens of feet.
- V. **INUNDATION MAP** A map delineating the area that would probably be flooded in the event of a dam failure. This map must be prepared by a registered professional engineer.
- W. **NOTIFICATION** To promptly inform appropriate individuals or emergency agency about an emergency condition so they can initiate appropriate actions.
- X. NORMAL WATER LEVEL (NORMAL WATER POOL) For reservoir with a fixed overflow spillway crest, it is the lowest level of that crest.
- Y. **OPERATOR** The person or position in a company or organization, who is responsible for a dam's operation and surveillance.
- Z. **OUTLET** A constructed opening through which water can be safely discharged for a particular purpose from a reservoir.
- AA. **OWNER** Any person, authority or agency that manages a dam or reservoir.
- BB. **PSAP** Public Safety Answering Point an agency in the United States, typically county or city controlled, responsible for answering 9-1-1 calls for emergency assistance from police, fire, and ambulance services.
- CC. **SEEPAGE** The movement of water that might occur through the dam, its foundation or its abutments. Small amounts of clear water seepage is normal. Increase in the amount of water flow or change in color is a concern for a dam's safety.
- DD. **SLIDE** The movement of a mass of earth down a slope. In embankments and abutments, this involves the separation of a portion of the slope from the surrounding materials.
- EE. **SPILLWAY** A structure over or through which flows are discharged. If the flow is controlled by gates, it is considered a controlled spillway; if the elevation of the spillway crest is the only control, it is considered an uncontrolled spillway.

- FF. **SPILLWAY CHANNEL** A channel conveying water from the spillway crest to the river downstream.
- GG. **TOE OF DAM** The junction of the downstream face of a dam with the ground surface. Also referred to as downstream toe. For an embankment dam, the junction of the upstream face with ground surface is called the upstream toe.
- HH. **TOP OF DAM** The elevation of the uppermost surface of a dam, usually a road or walkway, excluding any parapet wall, railings, etc.
- II. **TRAFFIC CONTROL POINT (TCP)** Manned or unmanned posts established at critical road junctions for the purpose of controlling or limiting traffic. TCPs are used to control evacuation movement and also limit entry into the inundation area when an emergency situation requires it.
- JJ. **VOAD** Voluntary Organizations Active in Disasters collaboration of diverse organizations and citizens trained to meet community needs in the wake of a large-scale disaster.

#### VIII. EXERCISE AND TRAINING

The dam owner will advise and cooperate with the Berks County EMA of any exercises scheduled, and coordinate with the Berks County EMA to exercise all or portions of this EAP as part of the county's all-hazard exercise program schedule.

#### IX. PLAN MAINTENANCE AND DISTRIBUTION

- A. This EAP will be reviewed every five years by the owner or the owner's engineer. During the five year review:
  - 1. The owner or the owner's engineer will conduct an on-site review of the flood (inundation) area for any increase in downstream development and revise the Inundation Map, if needed.
  - 2. The owner's engineer will review and revise surveillance conditions as needed.
  - 3. The owner will coordinate with Berks County EMA if population increase or development within the inundation area could affect the emergency response requirements. If so, a new or revised plan must be developed.
  - 4. The owner will meet with and obtain concurrence from the Berks County EMC.
  - 5. The owner will submit 6 copies at a minimum of the revised plan to DEP for review and approval.

B. A copy of the approved EAP will be distributed by the dam owner to those emergency response agencies listed in Section IV. DEP, Division of Dam Safety will distribute a copy of the approved EAP to PEMA's Area Office, the affected county Emergency Management Agency(s) and PSAP/911 Center(s), the National Weather Service, and the DEP's Regional Office. Within 60 days, the dam owner will submit a letter certifying distribution of the approved EAP and posting of NOTICE(s) to the DEP, Division of Dam Safety.

#### **ATTACHMENTS:**

ATTACHMENT AINUNDATION MAPATTACHMENT BTRAFFIC CONTROL POINTSATTACHMENT CLOCATION MAPATTACHMENT DTELEPHONE ROSTERATTACHMENT EMEDIA ANNOUNCEMENTATTACHMENT FNOTICE





### ATTACHMENT B TRAFFIC AND ACCESS CONTROL POINTS

POINT	LOCATION	AGENCY RESPONSIBLE
TCP-1	Intersection of Mountain Lane and Port Clinton Avenue	Hamburg Police Department
TCP-2	Intersection of Williams Street and Port Clinton Avenue	Hamburg Police Department
TCP-3	Intersection of Blue Mountain Lake driveway and Mountain Avenue	Hamburg Police Department
TCP-4	Intersection of Kernsville Dam Road and Industrial Road	Tilden Township Police Department

# ATTACHMENT C LOCATION MAP



#### 2013

GENERAL HIGHWAY MAP BERKS COUNTY PENNSYLVANIA

#### PREPARED BY THE

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF PLANNING AND RESEARCH GEOGRAPHIC INFORMATION DIVISION IN CODEFEATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

#### DIRECTIONS

- 1. From State Street and Front Street in Hamburg, go west approximately 0.2 miles.
- 2. Turn right onto Industrial Drive and go 0.5 miles
- 3. Turn right onto Kernsville Dam Road and drive approximately 1.0 mile to New Kernsville Dam.

## ATTACHMENT D TELEPHONE ROSTER

AGENCY/CONTACT PERSON	NON-FMFRGENCY	FMFRGFNCV
Dam Owner: Department of Environmental Protection	(717) 787-5267	(717) 787- $1313$
	(570) 830 3171	(717)767-4343 (570) 220 5700 (coll)
Dam Operator: Burgey of Conservation and Posteration	(570) 826-2371	(370) 239-3700 (cell) (717) 787-4343
	(570) 620-2571	011
Berks County Communication Center	(610) 655-4911	911
Berks County Department of Emergency Services (DES)	(610) 374-4800	(610) 655-4921
Union Fire Company No.1 of Hamburg	(610) 562-9195	911
Tilden Township Police Department	(610) 655-4911	911
Pennsylvania State Police- Hamburg Barracks	(610) 562-6885	911
Hamburg Borough Police Department	(610) 562-7228	911
Hamburg Emergency Medical Services (EMS)	(610) 562-5562	911
American Red Cross Berks County Chapter	(610) 375-4383	1-800-422-7677
Hamburg Area School District	(610) 562-2241	(610) 562-2241
North Central Regional EMA	(610) 655-4911	911
PA DEP - Division of Dam Safety	(717) 787-8568	(800) 541-2050
		(717) 805-3057
PA DEP - Southcentral Area Office	(717) 705-4700	(866)-825-0208
PEMA - Eastern Regional Office	(610) 562-3003	(610) 562-3003
PENNDOT – Berks County Maintenance Office	(610) 929-0766	(610) 929-0766
PEMA	(717) 651-2001	(800) 424-7362

## ATTACHMENT E MEDIA ANNOUNCEMENT

#### EARLY WARNING MESSAGE:

The Berks County Department of Emergency Services advises that due to conditions at the New Kernsville Dam in Tilden and Windsor Townships, the public should avoid the area downstream of the dam. The potentially affected area extends from the dam on the Schuylkill River downstream a distance of about 1.2 miles to the town of Hamburg. Communities potentially affected by the inundation include: Hamburg. Stay tuned for further information.

#### \*\*\*REPEAT PERIODICALLY\*\*\*

#### WARNING AND EVACUATION MESSAGE:

The Berks County Department of Emergency Services is advising all residents living downstream of the New Kernsville Dam in Tilden and Windsor Townships to evacuate the area immediately. Evacuate the area extending from the dam on the Schuylkill River downstream a distance of about 1.2 miles to Hamburg. Communities affected by the inundation include: Hamburg. Some backwater flooding may occur where small tributaries flow into the Schuylkill River. If you require shelter during this emergency you should report to <u>location of reception/mass care center to be determined by county EMC, American Red Cross or other VOAD at time of emergency).</u>

#### \*\*\*REPEAT PERIODICALLY\*\*\*

#### **INCIDENT RESOLVED - SAFE TO RETURN:**

The Berks County Emergency Management Agency is advising residents of the area downstream of the New Kernsville Dam in Tilden and Windsor Townships that the problem at the dam has been resolved and that residents may return to their homes.

#### \*\*\*REPEAT PERIODICALLY\*\*\*

**NOTE:** The above messages should be modified as necessary to fit the situation.

# ATTACHMENT F

# NOTICE

### <u>NEW KERNSVILLE</u> DAM HAS BEEN CLASSIFIED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF DAM SAFETY, AS A HIGH

HAZARD DAM; THIS IS A DAM SO LOCATED AS TO ENDANGER POPULATED

AREAS DOWNSTREAM BY ITS FAILURE.

#### AN EMERGENCY ACTION PLAN HAS BEEN DEVELOPED FOR

## **NEW KERNSVILLE DAM**

A COPY OF THIS PLAN, INCLUDING AN INUNDATION MAP NOTING AREAS IN

#### HAMBURG,

#### SUBJECT TO FLOODING IN THE EVENT OF FAILURE, IS AVAILABLE FOR PUBLIC INSPECTION AT THE FOLLOWING LOCATIONS:

Pennsylvania DEP – Dam Operator Anthracite AMD Design & Operation Support Bureau of Conservation and Restoration 2 Public Square 5<sup>th</sup> Fl Wilkes-Barre, PA 18711

Berks County Department of Emergency Services 2561 Bernville Road Reading, PA 19605

Hamburg Borough Building 61 North Third Street Hamburg, PA 19526 Department of Environmental Protection – Dam Owner Bureau of Conservation and Restoration 10<sup>th</sup> Floor, Rachel Carson State Office Building 400 Market Street Harrisburg, PA 17011

Tilden Township Building 874 Hex Highway Hamburg, PA 19526

Windsor Township Building 730 Monument Road Hamburg, PA 19526

This NOTICE is posted per Department of Environmental Protection's Chapter 105 Dam Safety and Waterway Management §105.134(c).