EMERGENCY ACTION PLAN

SURVEILLANCE, WARNING, AND EVACUATION PROCEDURES

NEWTOWN DAM – PA 621 DEP NUMBER D09-178

LOCATED ACROSS NEWTOWN CREEK IN NEWTOWN TOWNSHIP, BUCKS COUNTY

LATITUDE: 40° 14' 49" LONGITUDE: -74° 56' 04"

SIZE CATEGORY "B"
HAZARD POTENTIAL CATEGORY "1"

OPERATED BY: COUNTY OF BUCKS

WARREN J. MCQUAID

DIVISION OF GENERAL SERVICES

DOYLESTOWN, PA 18901

TELEPHONE: WORK: (215) 345-3950

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OWNED BY: COUNTY OF BUCKS

KEVIN S. SPENCER

DIVISION OF GENERAL SERVICES

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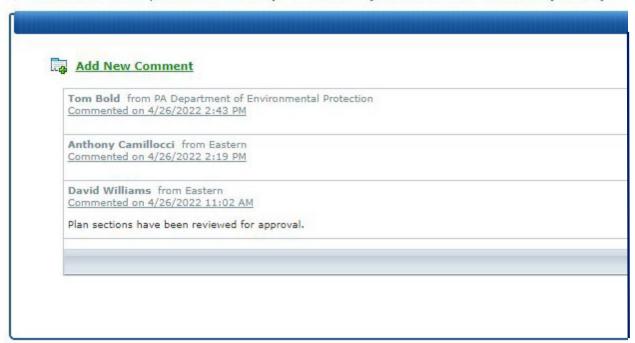
PROMULGATION AND CONCURRENCE

Emergency Action Plan for the Newtown Dam. Our sup	
with existing recommended operating guidelines and	existing municipal or county emergency
operation plans.	3/11/2021
Kevin/S. Spencer Director of Operations,	Date
County of Bucks, General Services, Dam Owner	
Warren J. McQuard, Operations Manager,	3-11-21 Date
County of Bucks, General Services, Dam Operator	
alx	3/11/2021
Audrey Kenney, Interim Director,	Date
County of Bucks, Emergency Services	

PEMA AND DEP ACKNOWLEDGMENTS

The Pennsylvania Emergency Management Agency has reviewed the NEWTOWN DAM (D09-178) Emergency Action Plan for appropriate content.

▼ Dam 09-178 - Bucks, Newtown Township - Bucks County Commissioners - Newtown (PA-621)



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 44-foot high, 850-foot long earthen embankment flood control dam, maintaining a normal pool of 56 acre-feet with a maximum pool storage capacity of 1,420 acre-feet.
- B. The dam is located along Newtown Creek in Newtown Township, approximately 1 mile north of Newtown and approximately 0.30 miles upstream of Route 532. Refer to **Attachment** C *Location Map*.
- C. The inundation area resulting from a sudden dam failure extends along Newtown Creek from the dam to the confluence with Neshaminy Creek. The inundation area also includes adjacent low lying areas in Newtown Township, Newtown Borough, and Middletown Township. See **Attachment A** *Inundation Map*.
- D. Within the inundation area is a population of approximately 8,200 people attributed to 475 homes, 190 businesses, 1 school, and 1 senior citizen facility. Refer to **Attachment A** *Inundation Map*.

III. CONCEPT OF OPERATIONS

A. SURVEILLANCE – NORMAL CONDITIONS - (DAM OWNER OR OPERATOR)

1. The County of Bucks General Services or their 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 Operations Manager for the County of Bucks General Services or a 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 or tornado 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 Operations Manager for the County of Bucks General Services or a designated representative is responsible for determining the dam's threat potential. The following conditions constitute a dam early warning notification to the Bucks 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 8.0-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 Bucks County PSAP/911 to the Bucks County EMC, the Pennsylvania Emergency Management Agency Commonwealth Watch and Warning Center (PEMA CWWC), 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 Operations Manager for the County of Bucks General Services or a 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 Bucks County PSAP/911.
 - a. The water level in the impoundment area has reached the threshold level of 5.0-feet below the top of the dam, 2.7-feet of flow at the crest of the emergency spillway, or
 - b. Imminent failure of this dam might be indicated by observance of one or more of the following conditions at the dam site:
 - i. The lake or pond level is at or near the top of the dam and water is flowing, or about to flow, over the top of the dam.
 - ii. The overflow pipe or spillway is damaged, or clogged with debris or ice, which is resulting in a rapid rise in the lake or pond level.
 - iii. The primary or emergency spillway is experiencing heavy flows which are causing severe erosion to the spillway or the dam embankment.
 - iv. Any structural movement or failure of the concrete spillway.
 - v. Any sloughing or sliding of the embankment upstream or downstream slope. Also, earth slides in the emergency spillway channel, either upstream or downstream the dam's crest, which could impede the flow in the spillway.
 - vi. Subsidence, sinkholes, or cracks found in any part of the dam's embankment or abutting slopes.
 - vii. Any new discharge of water is observed through the dam's embankment or abutting slopes, adjacent to any conduit outlets, or under the dam, which appears as a boil along the downstream toe. Should such a discharge occur, and the water is cloudy or muddy in color, then a very serious problem exists.

- 2. Warning and evacuation notification will be relayed from the Bucks County PSAP/911 to the Bucks County EMC, the PEMA CWWC, 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 Operations Manager for the County of Bucks General Services or a 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 Operations Manager for the County of Bucks General Services or a 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 in the lake has dropped 13.5-feet below the top of the 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 Operations Manager for the County of Bucks General Services or a designated representative shall notify the Bucks County PSAP/911.
- 3. Termination of surveillance and notifications will be relayed from the Bucks County PSAP/911 to the Bucks County EMC, the PEMA CWWC, and all applicable emergency responders and designated

government officials and agencies. Refer to Section IV.B for additional notifications.

IV. RESPONSIBILITIES AND DUTIES

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

- 1. The Operations Manager for the County of Bucks General Services or a 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 Bucks 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 Operations Manager for the County of Bucks General Services or a designated representative will initiate warning and evacuation notification to the Bucks County PSAP/911.

B. COUNTY PSAP - 911

- 1. The BUCKS COUNTY PSAP/911 will notify:
 - a. Bucks County Emergency Management Agency
 - b. PEMA CWWC
 - c. Newtown Township Police
 - d. Newtown Borough Police
 - e. Newtown Fire Association
 - f. Newtown Emergency Services Department
 - g. Newtown Ambulance Squad
 - h. Middletown Township Police Department
 - i. Langhorne-Middletown Fire Company
 - j. Penndel Fire Company
 - k. Parkland Fire Company
 - 1. William Penn Fire Company
 - m. Penndel-Middletown Emergency Squad
 - n. Pennsylvania State Police Trevose Barracks

C. COUNTY EMA

- 1. The BUCKS COUNTY EMA will notify:
 - a. National Weather Service
 - b. Newtown Township EMA
 - c. Newtown Borough EMA
 - d. Middletown Township EMA
 - e. Media Early Warning and/or Warning and Evacuation (Activate EAS). Refer to **Attachment E** *Media Announcements*
 - f. Bucks County EOC staff, as necessary
 - g. American Red Cross Philadelphia Chapter (when mass care or family assistance is required). Coordinate sheltering per ESF 6 of County EOP.
 - h. Bucks County elected officials
 - i. Pennsylvania Emergency Management Agency
 - j. Council Rock School District
 - k. Gloria Dei Plaza Retirement Community
 - 1. St. Andrew Catholic Education Center
 - m. New Life Christian Preschool
 - n. Pennsylvania Department of Transportation District 6-1
 - o. South Eastern Public Transportation Authority (SEPTA)
- 2. The Bucks County EMA will ascertain and report to PEMA any unmet needs requirements.
- 3. The Bucks County EMA will initiate Damage Assessment and Recovery procedures as the situation requires.

D. LOCAL MUNICIPAL EMAS

NEWTOWN TOWNSHIP EMA
NEWTOWN BOROUGH EMA
MIDDLETOWN TOWNSHIP 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 **Attachment A** *Inundation Map*).
- 2. Notify municipal elected officials and municipal services (water, sewer, etc.).
- 3. Keep the Bucks County EMA appraised of the situation.
- 4. Coordinate the evacuation (where appropriate).
- 5. Provide damage reporting to the Bucks County EMC.

E. FIRE DEPARTMENTS

NEWTOWN FIRE ASSOCIATION

NEWTOWN EMERGENCY SERVICES DEPARTMENT

LANGHORNE – MIDDLETOWN FIRE COMPANY

PENNDEL FIRE COMPANY

PARKLAND FIRE COMPANY

WILLIAM PENN FIRE COMPANY

- 1. Dispatch radio vehicle to dam site in order to provide alternate communications link to PSAP/911 Newtown Emergency Services Department. Provide additional communications support if feasible and requested.
- 2. Provide citizen notification and route alerting to advise residents living within their jurisdiction. (See **Attachment A** *Inundation Map*)
- 3. Assist in evacuation.
- 4. Assist police and EMS, as requested.

F. POLICE SERVICES

NEWTOWN TOWNSHIP POLICE

NEWTOWN BOROUGH POLICE

MIDDLETOWN TOWNSHIP POLICE DEPARTMENT

PENNSYLVANIA STATE POLICE – TREVOSE BARRACKS

- 1. Assist evacuation traffic flow and establish traffic control points (TCP) at pre-designated locations (See **Attachment A** *Inundation Map* and **Attachment B** *Traffic Control Points*).
- 2. Prevent unauthorized entry and provide security of evacuated areas.
- 3. Provide assistance with route alerting, if requested.

G. EMERGENCY MEDICAL SERVICES (EMS)

NEWTOWN AMBULANCE SQUAD
PENNDEL - MIDDLETOWN EMERGENCY SQUAD

- 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.
- 3. Provide EMS support to any mass care center as requested.

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

PHILADELPHIA CHAPTER (If Requested by Bucks County EMA)

- 1. Identify and activate an appropriate shelter, as necessary.
- 2. Support and maintain operations of the reception center.
- 3. Maintain communications with Bucks County EMC, local EMAs, and reception center.

I. PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PENNDOT)

BUCKS COUNTY MAINTENANCE DISTRICT 6-1

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 at the following public places located within or near the inundation area:
 - 1. Bucks County Administration Building
 - 2. County of Bucks Website
 - 3. County of Bucks Social Media Accounts
 - 4. Newtown Township Building
 - 5. Newtown Borough Building
 - 6. Newtown Township / Newtown Borough Emergency Services Department
 - 7. Middletown Township Building
 - 8. Sol Feinstone Elementary School
 - 9. Newtown Middle School
 - 10. Council Rock High School North
 - 11. Newtown Post Office
- B. The *NOTICE* must state that copies of the Emergency Action Plan for this Dam are available for inspection at the following locations:
 - Bucks County Administration Building
 East Court Street, Doylestown, PA 18901
 - Newtown Township Building
 100 Municipal Drive, Newtown, PA 18940
 - 3. Newtown Borough Building
 - 23 North State Street, Newtown, PA 18940
 - 4. Newtown Township / Newtown Borough Emergency Services Department
 - 55 Municipal Drive, Newtown, PA 18940
 - 5. Middletown Township Building, Emergency Management Office
 - 3 Municipal Way, Langhorne, PA 19047

- 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 Potential 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 2019.
- 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. Bucks 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. COMMONWELATH RESPONSE COORDINATION CENTER (CRCC) Serves as the Commonwealth's primary coordination point for response and recovery operations during natural or human-caused disasters and other emergencies. When activated, state agencies, volunteer organizations, and other stakeholders send representatives to the CRCC where they work to coordinate state agency response and recovery efforts to support affected counties and local jurisdictions.
- F. COMMONWEALTH WATCH AND WARNING CENTER (CWWC) -

Serves as the 24/7 monitoring and emergency alerting hub for all-hazards incidents and events throughout the Commonwealth. The CWWC works with county Public Safety Answering Points (PSAP's), Emergency Management agencies, state agencies and other stakeholders to maintain Situational Awareness (SA) and provide a Common Operating Picture (COP) for agencies throughout the state.

- G. **CONDUIT** A pipe used to convey water through or around or under a dam.
- H. **CONTROL TOWER** A structure in the dam or reservoir used to control withdraw of water from the reservoir through pipes or culverts.
- I. **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.
- J. **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.
- K. **DAM** A barrier built across a watercourse for impounding or diverting the flow of water.
- L. **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.
- M. **EARTH DAM (EARTHFILL DAM)** An embankment dam in which more than 50% of the total volume is formed of compacted fine-grained earth.
- N. **EMBANKMENT** Fill material, usually earth or rock, placed with sloping sides.

- O. **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.
- P. 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.
- Q. **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.
- R. **FACE** With reference to a structure, the external surface that limits the structure, e.g., the face of a wall or dam.
- S. **FAILURE** An incident resulting in the uncontrolled release of water from an operating dam. See "Dam Failure".
- T. **FOUNDATION OF DAM** The natural material on which the dam structure is placed.
- U. **GROIN** That area along the contact (or intersection) of the face of a dam with the abutment.
- V. 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.
- W. 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.
- X. **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.

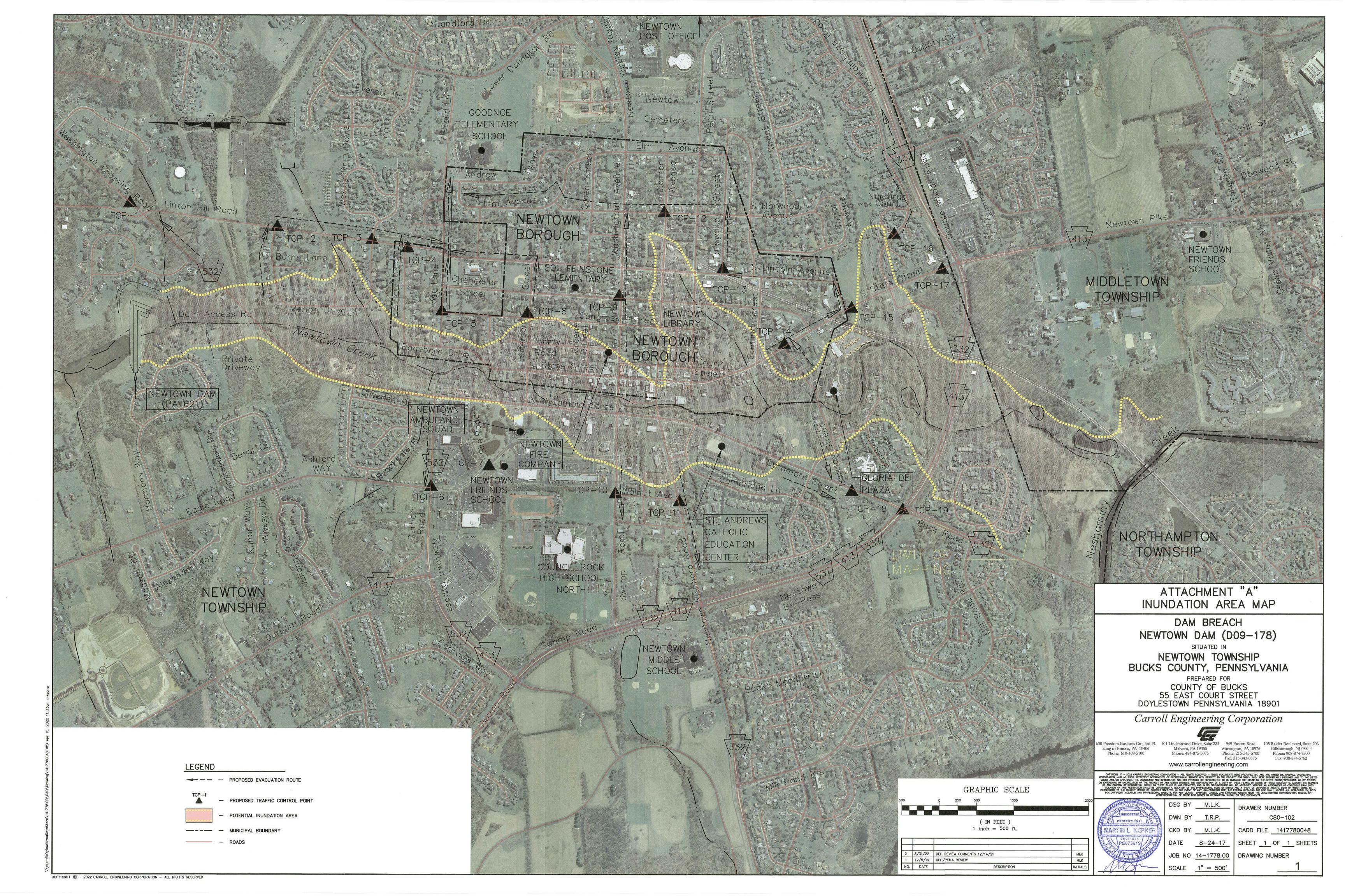
- Y. **NOTIFICATION** To promptly inform appropriate individuals or emergency agency about an emergency condition so they can initiate appropriate actions.
- Z. **NORMAL WATER LEVEL (NORMAL WATER POOL)** For reservoir with a fixed overflow spillway crest, it is the lowest level of that crest.
- AA. **OPERATOR** The person or position in a company or organization, who is responsible for a dam's operation and surveillance.
- BB. **OUTLET** A constructed opening through which water can be safely discharged for a particular purpose from a reservoir.
- CC. **OWNER** Any person, authority or agency that manages a dam or reservoir.
- DD. **PSAP** Public Safety Answering Point an agency in the <u>United States</u>, typically <u>county</u> or <u>city</u> controlled, responsible for answering <u>9-1-1</u> calls for <u>emergency assistance</u> from police, fire, and ambulance services.
- EE. **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.
- FF. **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.
- GG. **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.
- HH. **SPILLWAY CHANNEL** A channel conveying water from the spillway crest to the river downstream.
- II. **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.
- JJ. **TOP OF DAM** The elevation of the uppermost surface of a dam, usually a road or walkway, excluding any parapet wall, railings, etc.
- KK. **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.
- LL. **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 Bucks County EMA of any exercises scheduled, and coordinate with the Bucks County EMA to exercise all or portions of this EAP as part of the county's all-hazard exercise program schedule.

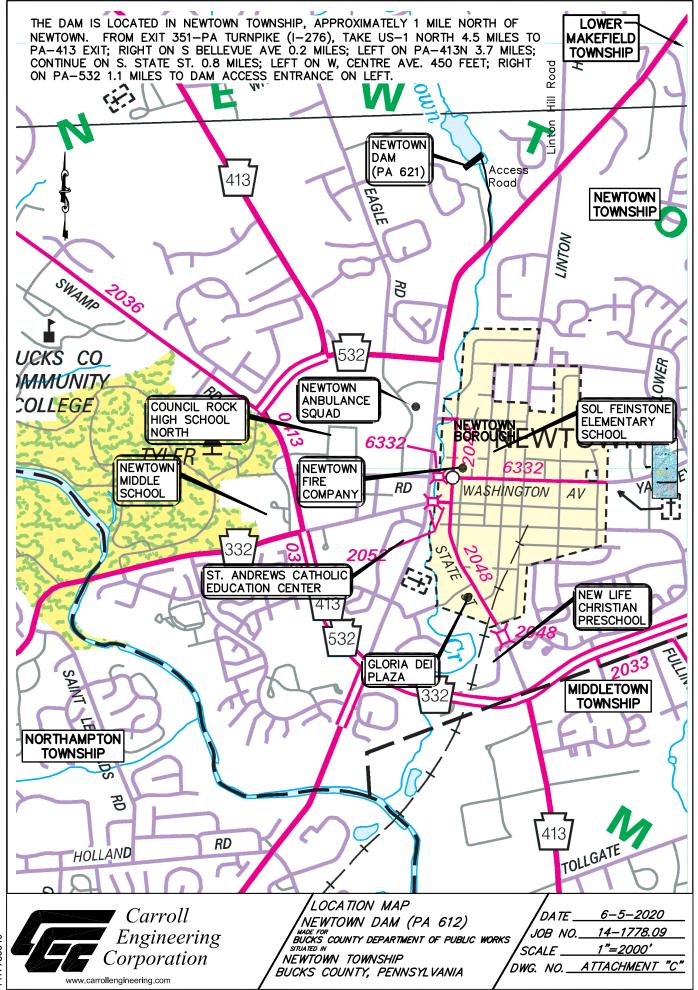
IX. PLAN MAINTENANCE AND DISTRIBUTION

- 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 **Attachment A** *Inundation Map*, as needed.
 - 2. The owner's engineer will review and revise surveillance conditions as needed.
 - 3. The owner will coordinate with the Bucks County EMA if population increase or development within the inundation area could affect the emergency response requirements. If so, a new or revised plan should be developed.
 - 4. The owner will meet with and obtain concurrence from the Bucks County EMC.
 - 5. The owner will submit the revised/updated EAP to DEP, via the virtual planning program, for review and acknowledgement.
- B. A copy of the EAP will be distributed by the dam owner to those emergency response agencies listed in Section IV. The dam owner will also distribute a copy of the EAP to the affected county Emergency Management Agency(s) and PSAP//911 Centers, the National Weather Service, and DEP's Regional Office. Within 60 days, the dam owner will submit a letter certifying distribution of the EAP and posting *NOTICE*(s) to the DEP, Division of Dam Safety.



ATTACHMENT B - TRAFFIC CONTROL POINTS

TCP – 1	At PA Route 532, at the intersection of Linton Hill Road at PA Route 532	Newtown Township Police
TCP – 2	At Linton Hill Road, at the northern intersection of Merion Drive and Linton Hill Road	Newtown Township Police
TCP – 3	At Linton Hill Road, at the southern intersection of Merion Drive and Linton Hill Road	Newtown Township Police
TCP – 4	At Linton Hill Road, at the intersection of Edgeboro Drive and Linton Hill Road	Newtown Borough Police
TCP – 5	At Frost Lane, at the intersection of Congress Street and Frost Lane	Newtown Borough Police
TCP – 6	At PA Route 532, at the intersection of Eagle Road and PA Route 532	Newtown Township Police
TCP – 7	At Silo Hill Road, at the intersection of Eagle Road and Silo Hill Road	Newtown Township Police
TCP – 8	At Congress Street, at the intersection of Jefferson Street and Congress Street	Newtown Borough Police
TCP – 9	At Chancellor Street, at the intersection of Washington Avenue and Chancellor Street	Newtown Borough Police
TCP - 10	At Swamp Road, at the intersection of Walnut Avenue and Swamp Road	Newtown Township Police
TCP - 11	At Newtown Richboro Road, at the intersection of Walnut Avenue and Newtown Richboro Road	Newtown Township Police
TCP – 12	At Center Avenue, at the intersection of South Norwood Avenue and Center Avenue	Newtown Borough Police
TCP – 13	At Lafayette Street, at the intersection of South Lincoln Avenue and Lafayette Street	Newtown Borough Police
TCP – 14	At Barclay Street, at the intersection of South State Street and Barclay Street	Newtown Borough Police
TCP – 15	At South Lincoln Avenue, at the intersection of South State Street and South Lincoln Avenue	Newtown Township Police
TCP – 16	At Fountain Farm Road, at the intersection of Northrop Court and Fountain Farm Road	Newtown Township Police
TCP – 17	At PA Route 413, at the intersection of South State Street and PA Route 332	Newtown Township Police
TCP – 18	At Barclay Street, at the intersection of South Sycamore Street and Barclay Street	Newtown Township Police
TCP – 19	At PA Route 413, at the intersection of South Sycamore Street and PA Route 413	Newtown Township Police



ATTACHMENT D - TELEPHONE ROSTER

	EMERGENCY	NON- EMERGENCY
DAM OWNER – COUNTY OF BUCKS		
Director of Operations, General Services, Kevin S. Spencer DAM OPERATOR – COUNTY OF BUCKS	267-337-2418	215-345-3950
Operations Manager, General Services, Warren J. McQuaid	215-317-8324	215-345-3950
BUCKS COUNTY EMERGENCY MANAGEMENT AGENCY	911	215-340-8700
BUCKS COUNTY 911 COMMUNICATIONS CENTER PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)	911	215-345-1411
DEP Southeast Regional office DEP Division of Dam Safety	484-250-5900 717-787-4343 800-541-2050 717-805-3057	484-250-5900 717-787-8568
PENNSYLVANIA EMERGENCY MANAGEMENT AGENCY (PEMA)	800-424-7362	717-651-2001
PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PennDOT)	215-345-6060	215-345-6060
MIDDLETOWN TOWNSHIP POLICE DEPARTMENT	911	215-750-3845
LANGHORNE-MIDDLETOWN FIRE COMPANY, STATION 21	911	215-757-5526
PENNDEL FIRE COMPANY, STATION 8	911	215-757-2707
PARKLAND FIRE COMPANY, STATION 9	911	215-757-4227
WILLIAM PENN FIRE COMPANY, STATION 7	911	215-752-7740
WILLIAM PENN FIRE COMPANY, STATION 77	911	215-943-1908
PENNDEL-MIDDLETOWN EMERGENCY SQUAD	911	215-757-2663
NORTHAMPTON TOWNSHIP POLICE DEPARTMENT	911	215-322-6111
NORTHAMPTON TOWNSHIP FIRE DEPARTMENT	911	215-357-8277
TRI-HAMPTON RESCUE SQUAD	911	215-357-0473
LANGHORNE BOROUGH POLICE DEPARTMENT LOWER SOUTHAMPTON TOWNSHIP POLICE DEPARTMENT LOWER SOUTHAMPTON FIRE DEPARTMENT BENSALEM TOWNSHIP POLICE DEPARTMENT BENSALEM TOWNSHIP FIRE DEPARTMENT	911 911 911 911	215-757-5911 215-357-1235 215-357-8517 215-633-3700
Newport Fire Company, Station 44 Newport Fire Company, Station 88 Union Fire Company, Station 37 Eddington Fire Company, Station 28 Cornwells Fire Company #1, Station 16 Nottingham Fire Company, Station 65 Trevose Fire Company, Stations 4/84	911 911 911 911 911 911	215-638-1619 215-757-1619 215-639-2988 215-245-9841 215-639-1111 215-638-7008 215-357-1314
BENSALEM EMERGENCY MEDICAL SEREVICES	911	215-245-4305

		NON-
	EMERGENCY	EMERGENCY
PENNDEL BOROUGH POLICE DEPARTMENT	911	215-757-5152
HULMEVILLE BOROUGH POLICE DEPARTMENT	911	215-757-1700
BRISTOL TOWNSHIP POLICE DEPARTMENT	911	215-785-4040
BRISTOL TOWNSHIP FIRE DEPARTMENT		
Newportville Fire Company, Stations 12/82	911	215-788-5220
Edgely Fire Company, Station 10	911	215-943-7751
Croydon Fire Company, Station 11	911	215-788-6715
Levittown Fire Company #2, Station 13	911	215-945-9421
Third District Fire Company, Station 14	911	215-788-6214
BUCKS COUNTY RESCUE SQUAD	911	215-788-0446
LEVITTOWN-FAIRLESS HILLS RESCUE SQUAD, MEDIC 154	911	215-547-2822
PENNSYLVANIA STATE POLICE		
Bureau of Emergency and Special Operations	717-508-0033	717-508-0033
Trevose Barracks	911	215-942-3900
NESHAMINY SCHOOL DISTRICT		
Director of Facilities, Tim Trzaska	267-262-3615	215-809-6250
BENSALEM TOWNSHIP SCHOOL DISTRICT		
Facilities Coordinator, Robin Fanini	215-866-6040	215-750-2800
Asst. Facilities Manager, John Mathieu	215-768-7956	215-750-2800
BRISTOL TOWNSHIP SCHOOL DISTRICT		
Director of Operations, Bob Maloney	267-271-2269	215-785-0991
AMERICAN RED CROSS		
Southeastern Pennsylvania Regional Headquarters	1-800-733-2767	215-299-4000
Philadelphia Chapter		
SOUTHEASTERN PUBLIC TRANSPORTATION AUTHORITY	215-580-8668	215-580-7800
(SEPTA)	213-300-0000	213-300-7000
CSX TRANSPORTATION, INC.	800-232-0144	904-359-3200
CONSOLIDATED RAIL CORPORATION (CONRAIL)	800-272-0911	215-209-2000
CONSOLIDATED RAIL CORFORATION (CONRAIL)		

All emergency service Departments will be reached by calling the Bucks County 911 Communications Center (911) who dispatches all agencies in the County as described in the County Emergency Operations Plan!

ATTACHMENT E - MEDIA ANNOUNCEMENT

EARLY WARNING MESSAGE:

The Bucks County Emergency Management Agency advises that due to conditions at the Newtown Dam in Newtown Township, the public should avoid the area downstream of the dam including low lying areas between Neshaminy Creek and the intersection of Linton Hill Road and Route 532 along Newtown Creek in Newtown Township, Newtown Borough, and Middletown Township. Stay tuned for further information.

REPEAT PERIODICALLY

WARNING AND EVACUATION MESSAGE:

The Bucks County Emergency Management Agency is advising all residents living downstream of the Newtown Dam in Newtown Township to evacuate the area immediately. Evacuate the low-lying areas between Neshaminy Creek and the intersection of Linton Hill Road and Route 532 along Newtown Creek in Newtown Township, Newtown Borough, and Middletown Township. If you require shelter during this emergency you should report to (location of reception/mass care center to be determined by County EMC, American Red Cross, or other VOAD at time of emergency).

REPEAT PERIODICALLY

INCIDENT RESOLVED, SAFE TO RETURN:

The Bucks County Emergency Management Agency is advising residents of the area downstream of the Newtown Dam in Newtown Township 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

NOTICE

<u>NEWTOWN</u> DAM HAS BEEN CLASSIFIED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION 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

NEWTOWN DAM

A COPY OF THIS PLAN, INCLUDING AN INUNDATION MAP NOTING AREAS IN NEWTOWN TOWNSHIP, NEWTOWN BOROUGH AND MIDDLETOWN TOWNSHIP, SUBJECT TO FLOODING IN THE EVENT OF FAILURE, IS AVAILABLE FOR PUBLIC INSPECTION AT THE FOLLOWING LOCATIONS:

- Bucks County Administration Building
 East Court Street, Doylestown, PA 18901
- Newtown Township Building
 100 Municipal Drive, Newtown, PA 18940
- Newtown Borough Building
 North State Street, Newtown, PA 18940
- Newtown Township / Newtown Borough, Emergency Services Department
 Municipal Drive, Newtown, PA 18940
- Middletown Township Building3 Municipal Way, Langhorne, PA 19407

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