ATLANTIC CITY MUNICIPAL UTILITIES AUTHORITY

2018 REGULAR INSPECTION REPORT

KUEHNLE POND DAM
NJDEP FILE NO. 36-009

EGG HARBOR TOWNSHIP, ATLANTIC COUNTY, NEW JERSEY

JUNE 2018

Prepared by:

Cherry, Weber & Associates, PC

20 Gibson Place, Suite 100
Freehold, New Jersey 07728
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DAM INSPECTION INTRODUCTION

Pursuant to Atlantic City Municipal Utilities Authority (ACMUA) Resolution No. 66, dated May 7, 2018, Cherry, Weber & Associates, P.C. (CWA) performed a Regular Inspection of Kuehnle Pond Dam located in the Egg Harbor Township, Atlantic County, New Jersey. A plan presenting the regional location of the dam is presented on Drawing No. 1. The purpose for our current services was to perform a Regular Inspection of the dam in accordance with the NJ Dam Safety Standards [N.J.A.C. 7:20]. Our work included the visual inspection of the dam, completion of the Dam Safety Visual Inspection Checklist and the preparation of this report. In addition, CWA is currently updating the Operations Manual (O&M) and Emergency Action Plan (EAP). All references to the left and right within this report assume one is looking downstream.

PROJECT DAM HISTORY

Kuehnle Pond Dam is considered a Class II, Significant Hazard Dam and is designated as NJ File No. 36-009. It is our understanding that the dam is owned and operated by the ACMUA, originally construction circa 1934, and was most recently rehabilitated in 2010. The dam is an earthfill embankment dam with an uncontrolled, broad crested, primary spillway structure. The primary spillway is approximately 24 feet wide, and flows down a concrete chute into the exit channel. The dam is approximately 650 feet long with a maximum height of approximately 14 feet. The dam impounds the waters of the South Branch of Absecon Creek to create Kuehnle Pond, which is used for public water supply. The low level outlet for the dam consists of two concrete intake structures with trash racks which allow drawdown of the reservoir via 24 inch diameter pipes that extend through the dam embankment. The low level outlet is regularly operated by ACMUA to make releases downstream related to water supply. The 2010 rehabilitation consisted of the following repairs: raising the concrete parapet wall along the crest 6 inches, grouting beneath the existing spillway, replacement of the bridge over the spillway, installation of a steel sheet pile cutoff wall and two piezometers beneath the existing spillway and general concrete repairs to the spillway structure.

A previous Regular Inspection was performed by French & Parrello Associates of Wall, New Jersey, in July 2016. During this inspection, the dam was determined to be in a satisfactory condition. The following short term repairs and long term improvements were recommended:

Short Term Repairs

- Continue ongoing maintenance including: Repair spalls and re-caulk/seal joints on parapet and repair closure plate on concrete chute.
- Repair PVC pipe of encasing the vibrating piezometer wire.

Long Term Improvements/Studies

- The vibrating wire piezometers should continue to be read at the time of the Regular and Formal Dam Inspections.
- Calibrate the Geokon-404 readout prior to the next Regular or Formal Dam Inspection.
- Contact the New Jersey Turnpike Authority regarding the clearing of exit channel.

**CLOSING & LIMITATIONS**

Our work was limited to a visual dam inspection and did not include any stability or hydraulic analyses or any design services. In addition, no assessment is being made of the structural condition of the bridges or culverts associated with the dam. Services performed by CWA during the referenced inspection have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, expressed or implied, and no warranty or guarantee is included or intended in the services provided.


**VISUAL INSPECTION CHECKLIST**

**NJ INSPECTION YEAR: 2018**

**TYPE OF INSPECTION:** (formal, regular, informal): Regular

**DAM NAME:** Kuehnle Pond Dam

**DAM FILE NO.:** 36-009

**LOCATION:** Egg Harbor Township, Atlantic County

**OWNER:** Atlantic City Municipal Utilities Authority (ACMUA)

**OPERATOR:** ACMUA

**DATE OF INSPECTION:**
- June 27, 2018
- July 18, 2018 obtained piezometer data

**RESERVOIR INFORMATION**
- Normal Reservoir Elevation (ft): ± 25
- Reservoir Elevation at time of inspection (ft): ± 25.1 (estimated)

**WEATHER CONDITIONS** (including recent rainfall):
- 75 °F Partly Sunny, No recent rainfall

**INSPECTION PERSONNEL**

New Jersey Licensed Professional Engineer(s):

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Area of Expertise</th>
</tr>
</thead>
<tbody>
<tr>
<td>William F. Mercurio, P.E.</td>
<td>Cherry, Weber &amp; Associates</td>
<td>Geotechnical/Dam Dam</td>
</tr>
<tr>
<td>Tariq Bashir, P.E.</td>
<td>Gentech Engineering Associates</td>
<td></td>
</tr>
</tbody>
</table>

Non-Licensed technical expert(s) and advisor(s):

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Area of Expertise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eric T. DeRicco, C.E.T.</td>
<td>Cherry, Weber &amp; Associates</td>
<td>Geotechnical/Dam Dam</td>
</tr>
<tr>
<td>Joseph Letinski</td>
<td>Cherry, Weber &amp; Associates</td>
<td>Geotechnical</td>
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</table>

State Representative(s):

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
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Dam Owner Representative(s):

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Claude Smith</td>
<td>ACMUA</td>
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</table>

**Others:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>None</td>
<td></td>
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</table>
**GENERAL INFORMATION**

Name of Dam: **Kuehnle Pond Dam**

Fed. I.D. No.: **NJ-00081**  
N.J. Dam No.: **36-009**

River Basin: **Absecon Creek**

Town: **Egg Harbor Township**  
County: **Atlantic**

Block: **101**  
Lot: **913**

Nearest Downstream City-Town: **City of Absecon/City of Pleasantville**

Stream Name: **Absecon Creek, South Branch**  
Tributary of: **Absecon Bay**

Latitude (N): **39° 26' 28"**  
Longitude (W): **74° 32' 25"**

Type of Dam: **Earthfill**

Purpose of Dam: **Public Water Supply**

Hazard Category: **Class II (Significant)**  
Drainage Area (sqr mls): **8.7**

Height (ft): **± 14**  
Length (ft): **± 650**

Normal Surface (ac): **± 130**  
Normal Capacity (af): **± 765**

Maximum Capacity (af): **± 2,100**  
Spillway Capacity (cfs): **± 380**

**HISTORY**

Date Constructed: **1935-1936**  

Designer:  
1934 – A. Edward Friedley  
2006 – Hazen & Sawyer Environmental Engineers & Scientists  
2009 – Hazen & Sawyer Environmental Engineers & Scientists

Constructed By: **2010 – Waters & Bugbee, Inc.**

Owner & Address:  
**Atlantic City Municipal Utilities Authority**  
401 North Virginia Avenue, Atlantic City, NJ 08401-0117

Owner/Operator present during inspection (yes or no): **Yes**

**PREVIOUS INSPECTIONS (date of)**

Last Inspection: **July 26, 2016**  
Last Regular Inspection: **July 26, 2016**

Phase I Inspection: **March 17, 1978**  
Last Formal Inspection: **October 12, 2010**

**EMERGENCY ACTION PLAN** (Required for all Class I and Class II dams):

Date of Approved Plan: **February 15, 2000** (per NJDEP records).

Date of Plan Revision: **CWA to revise in 2018.**

Is the notification flowchart complete and current? **Yes.**

Is inundation mapping or a description included? **Yes.**

Are emergency materials and equipment identified? **Yes.**
When was the plan last tested? Not tested specifically for the dam. However, general responses are periodically activated resulting from other system emergencies.

DOWNSTREAM HAZARD CLASSIFICATIONS

Present Hazard Classification: Significant, Class II.
Changes in Downstream Land Use and Habitation: None observed.
Is present classification appropriate? Yes.

OPERATION AND MAINTENANCE

Date of Operation and Maintenance Plan: December 15, 2011.
CWA to revise in 2018.
Are instructions adequate? Yes.
Do operating personnel follow instructions? Yes.
What are operating personnel capabilities? The owner has sufficient resources for routine operation and maintenance.

EXAMINATION OF EMBANKMENT DAMS AND DIKES

DESCRIPTION OF STRUCTURE

Embarkment Material: Earth embankment.
Cutoff Type: Steel sheet pile cutoff wall through primary spillway.
Impervious Core: Clay core wall.
Internal Drainage System: Two six inch diameter perforated pipe toe drains are located on either side of the spillway along the downstream slope. Both drains outlet into the exit channel through the training walls on either side of the primary spillway.

Movement (Horizontal and Vertical Alignment): None observed.
Junctions with Abutments or Embankments: No defects noted.
Miscellaneous: N/A

CREST

Vertical Alignment: No problems noted.
Horizontal Alignment: Generally straight. No indications of movement observed.
Surface Cracks: No problems noted.
Settlement: None observed.
Unusual Conditions: Several repaired potholes observed in stone road. Gaps in caulked joints in concrete parapet observed in several locations. Broken spall repair on downstream face of parapet to the right of the spillway, approximately 6 inches wide.
UPSTREAM SLOPE

Slope (Measure) (H:V): Approximately 3H:1V. The upstream slope is covered with a concrete slab. The slab is in fair condition; settlement and spalling of concrete apron was observed in isolated locations.

Trees, Undesirable Growth or Debris, Animal Burrows: Some localized, minor vegetation observed between the joints of the upstream concrete slope protection and the concrete crest wall.

Sloughing, Subsidence or Depressions: None observed.

Slope Protection: The upstream slope is covered with a concrete slab. The slab is in good condition; some cracking observed. The older portion of the concrete slab upstream of the dam embankment is in poor condition, but does not impact the dam.

Surface Cracks or Movement at Toe: None observed.

Unusual Conditions: None observed.

DOWNSTREAM SLOPE

Slope (Measure) (H:V): Approximately 2H:1V. The downstream slope of the earthen embankment is covered with riprap.

Trees, Undesirable Growth or Debris, Animal Burrows: No problems noted.

Sloughing, Subsidence or Depressions: None observed.

Surface Cracks or Movement at Toe: None observed.

Seepage: None observed.

External Drainage System (Ditches, Trenches, Blanket): No problems noted. The 6 inch toe drain at the right side of the spillway was flowing approximately 2 gallons per minute. The left toe drain submerged at the time of the inspection.

Condition Around Outlet Structure: None observed.

Unusual Conditions: None observed.

ABUTMENTS AND TOE AREA

Erosion at Contract: None observed.

Seepage or Wet Area Along Contract: None observed.

Signs of Movement: None observed.

Depressions, Sinkholes: None observed.

Unusual Conditions: None observed.

SEEPAGE AND TOE DRAIN / RELIEF WELL FLOW SUMMATION

None observed

<table>
<thead>
<tr>
<th>Location</th>
<th>Estimated Flow</th>
<th>Color (Turbidity)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right Toe Drain</td>
<td>2 gpm (estimated)</td>
<td>Clear</td>
</tr>
<tr>
<td>Left Toe Drain</td>
<td>0 gpm</td>
<td>N/A</td>
</tr>
</tbody>
</table>
EXAMINATION OF CONCRETE AND MASONRY DAMS
(NOT APPLICABLE)

EXAMINATION OF SPILLWAYS AND OUTLET WORKS

TYPE(S) AND DESCRIPTION OF SPILLWAY(S)

Primary: Uncontrolled concrete overflow crest with a bridge over the spillway crest.
Secondary (auxiliary): None.
Emergency: None
Other: N/A

FOR EACH SPILLWAY THE FOLLOWING ASPECTS MUST BE EXAMINED WHERE APPROPRIATE

ENTRANCE CHANNEL

Description: Not Applicable – flow enters directly from Kuehnle Pond.

SPILLWAY CREST

Description: A 24 foot long uncontrolled broad-crested weir. Records indicate that this area has been resurfaced with shotcrete or gunite.
Condition of Material: Appeared normal. A steel sheet pile cutoff wall has been installed through the spillway at the centerline of the dam embankment. The area beneath the concrete spillway slab was grouted as part of the 2010 rehabilitation.
Signs of Movement: None observed.
Joints: No significant deterioration observed.
Unusual Conditions: None observed.

DROP BOX

Not Applicable (no drop box).

SPILLWAY WING WALLS

Description: The original concrete walls have been covered by shotcrete according to records.
Condition of Material: Fair condition, minor deterioration, no structural concerns.
Signs of Movement: None observed.
Joints: Minor spalling of the concrete was observed between the upstream concrete slope protection and the training walls which extend upstream into the pond.
Drains: None observed.
Unusual Conditions: None observed.

DOWNSTREAM APRON

Description: Concrete apron; replaced during 1998 rehabilitation.
Condition of Material: No significant deterioration observed.
Signs of Movement: None observed.
Unusual Conditions: A chain link fence extends across the downstream apron near the exit channel with large log partially lodged and likely the cause of damage to Piezometer 1.

CULVERTS
Description: Not Applicable (no culverts).

TRASH RACKS
Description: Not Applicable (no trach racks).

CHUTES
Description: Flow is conveyed on a concrete slab into the exit channel from the spillway between concrete training walls.
Condition of Material: No problems noted. Significant algae growth covers the concrete surface.
Signs of Movement: None observed.
Unusual Conditions: None observed.

STILLING BASIN
Description: Concrete slab with concrete baffle blocks at the toe near the exit channel.
Condition of Material: Appeared normal; submerged at the time of inspection.
Signs of Movement: None observed.
Erosion: None observed.
Unusual Conditions: None observed.

EXIT CHANNEL
Vegetation (Trees, Bushes): Hydrophilic vegetation noted approximately 100 feet downstream in the stream channel beneath the Garden State Parkway bridge overpass. Approximately 70% of the exit channel is blocked by the vegetation.
Debris: Some sediement mound noted downstream beneath the Garden State parkway bridge overpass.
Channel Side-Slope Stability: Concrete side walls exhibit some staining due to adjacent wetland area. Staining does not appear to be related to the dam
Erosion: None observed.
Unusual Conditions: None observed.

LOW LEVEL OUTLET
Description: Two concrete inlet structures constructed in the lake to invert EL ± 13.0. Both inlet structures have trash racks on the upstream, left and right sides to prevent debris from being caught in the outlet pipes. Gate operators are located on the top of both concrete intake structures to control the release of water. Two 24 inch diameter pipes extend from the concrete inlet structures through the dam embankment beneath the primary spillway structure. The pipes outlet through the concrete headwall on the downstream side of the primary spillway structure. Flow from the low level outlet pipes is discharged into the primary exit channel.
Condition: The low level outlet structure concrete and operators appeared to be in fair condition.
Trash Rack: Submerged at the time of inspection.
Leakage: None observed.

Location
N/A

Estimated Flow

Unusual Conditions: None observed.

Was the low level outlet operated during the inspection? No.

Were there difficulties operating the low level outlet? N/A

When was the low level outlet last operated and did this conform with the Operation and Maintenance procedures? The Low Level Outlet is periodically exercised by the ACMUA staff, based on potable water requirements.

Miscellaneous: None.

STILLING BASIN FOR LOW LEVEL OUTLET

Description: Same as Primary Spillway exit channel; see description and observations above.

EXIT CHANNEL FOR LOW LEVEL OUTLET

Description (Trees, Bushes): Same as Primary Spillway exit channel; see description and observations above.

EXAMINATION OF OTHER FEATURES

INSTRUMENTATION (Monumentation/Surveys, Observation Wells, Weirs, Piezometers, Etc.) location, condition:

<table>
<thead>
<tr>
<th>Item</th>
<th>Location</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two vibrating wire piezometers were installed beneath the primary spillway as part of the 2010 rehabilitation.</td>
<td>Primary Spillway</td>
<td>Piezometer 1 – Non operational.</td>
</tr>
<tr>
<td></td>
<td>See Drawing No. 2</td>
<td>Piezometer 2 – Good condition.</td>
</tr>
</tbody>
</table>

See Appendix A for a summary of readings taken during the inspection.

RESERVOIR

Slopes: Concrete walls surround the majority of the perimeter of the reservoir. Slopes approximately 3H:1V.

Sedimentation: None observed.

Unusual Conditions Which Affect Dam: None observed.

Unusual Conditions: None observed.

APPURTENANT STRUCTURES (Power House, Gatehouse, Penstocks, Water Supply, Other)

Description and Condition of each: Not Applicable

MECHANICAL EQUIPMENT

Item
None.

Frequency of Operation
CONCLUSION
DAM INSPECTION PROGRAM GUIDELINES

The following new guidelines have been established by the NJDEP Bureau of Dam Safety & Flood Control to help meet the requirements of the National Inventory of Dams condition assessment of existing dam structures. Please follow the guidelines/definitions below and select the appropriate checkbox.

SATISFACTORY
No existing or potential dam safety deficiencies are recognized. Acceptable performance is expected under all applicable loading conditions (static, hydrologic, seismic) in accordance with the applicable regulatory criteria. Minor maintenance items may be required.

FAIR
Acceptable performance is expected under all required loading conditions (static, hydrologic, seismic) in accordance with the applicable dam safety regulatory criteria. Minor deficiencies may exist that require remedial action and/or secondary studies or investigations.

POOR
A dam safety deficiency is recognized for any required loading condition (static, hydrologic, seismic) in accordance with the applicable dam safety regulatory criteria. Remedial action is necessary. POOR also applies when further critical studies or investigations are needed to identify any potential dam safety deficiencies.

UNSATISFACTORY
Considered unsafe. A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution. Reservoir restrictions may be necessary.

I certify that the dam structure referenced herein was personally inspected by me and was found to be in the following condition (select one only):

☑ SATISFACTORY

☐ FAIR

☐ POOR

☐ UNSATISFACTORY
CONCLUSION (continued)

I recommend the following repairs be made immediately:

1. Continue ongoing maintenance including:
   - Repair spalls and re-caulk/seal joints on parapet.
   - Repair closure plate on concrete chute.
2. Repair Piezometer 1 and PVC pipe of encasing the vibrating piezometer wire.
3. Repair chain link fence.

The following long term improvements should also be undertaken:

1. The vibrating wire piezometers should continue to be read at the time of Regular and Formal Dam.
2. Calibrate Geokon GK-404 readout prior to the next Regular or Formal Dam Inspection.
3. Contact the New Jersey Turnpike Authority regarding the clearing of exit channel.

The following studies are recommended:

- Hydrologic and Hydraulic analysis
- Stability analysis
- Failure/inundation analysis
- Other
- None

Have the recommendations above included those from the Phase I Inspection Report or previous Regular or Formal Inspection Reports? If not, indicate why.

Yes

EMERGENCY ACTION PLAN (This section must be completed for all Class I & II dams)

Date of Approved Plan: February 15, 2000 (per NJDEP records).

Date of Last Plan Revision: CW to revise in 2018.

Is the notification flowchart complete and current? The EAP Flow Chart is being updated in 2018.

Is inundation mapping or a description included? If not, why? Yes.

NJ Dam Safety Compliance Schedule Form (attached). This form must be completed or the Inspection Report will be deemed incomplete.

Yes.

Name of Professional Engineering Company/Consultant Representing the Owner:
Cherry, Weber & Associates

Company/Consultant Address:
20 Gibson Place, Suite 100
Freehold, NJ 07728

Company/Consultant Telephone Number:
(732) 303-8700

New Jersey Licensed Professional Engineer representing the dam owner in responsible charge of the inspection:

Sign ___________________________ Date ___________________________

William F. Mercurio, P.E.

New Jersey Professional Engineer License Number 29247 SEAL

Kuehnle Pond Dam
Proposed time frame for submission of required information and implementation of recommended repairs:
(Engineer should check required sections and propose appropriate time frames. However, the Dam Safety Section reserves the right to require additional dates
and/or information as needed.)

☑ Performance of maintenance and repairs not requiring approval from the Dam Safety Section (Such work includes grass mowing, brush removal, debris removal, filling of animal burrows, minor concrete repairs, minor gate repairs, filling of areas of minor surface erosion, etc. The Dam Safety Section must be notified upon completion of these activities.)

Work to be completed no later than: Routine maintenance to be performed regularly; repairs to be performed based on priority of work.

☐ Engineering Report / Studies (This work includes any required hydrologic and hydraulic analysis, structural analysis, alternative analysis, geotechnical investigations or dam breach analysis that may be recommended by your engineer and/or required by the Dam Safety Section.)

Studies to be submitted for review no later than: N/A

☐ Permit Application: (A permit application must be submitted for any construction activity at the dam. The permit application must address all deficiencies as identified in the inspection report and the subsequent engineering report / studies.)

Permit application to be submitted no later than (as available funding allows) months after the date of the Dam Safety Section’s approval of any required studies. (Please provide date if no studies are required.)

☐ Construction to start no later than N/A months after the date of issuance of the permit by the Dam Safety Section.

☑ Operation and Maintenance Plan (O&M): (An O&M is required for all dams. O&M’s should be submitted with the permit application or sooner if possible. Existing O&M’s may need to be updated if a dam is being rehabilitated. Please indicate date a new or revised O&M will be submitted if there is not an existing and approved Manual on file with this office.)

O&M to be submitted no later than: 8/31/2018

 ☑ Emergency Action Plan (EAP): (EAPs are required for all high and significant hazard dams and should be submitted as soon as possible. Existing EAPs should be reviewed on a yearly basis and revised as necessary. Please indicate date a new or updated EAP will be submitted if there is not an existing and approved Plan on file with this office.)

EAP to be submitted no later than: 8/31/2018

The dates provided above will be reviewed by the Dam Safety Section to determine if the schedule is acceptable to achieve compliance with the Dam Safety Standards. Requests for extensions to the accepted time frames outlined above must be submitted to this office in writing along with appropriate justification and will be considered on its merits on a case by case basis.

Signed: Dam Owner Date Signed: Owner’s Engineer Date

Additional information including Dam Safety Section forms, standards and inspection guidelines as well as EAP guidelines and a sample O&M is available at http://www.state.nj.us/dep/damsafety or contact this office via e-mail at Damsafety@dep.state.nj.us or telephone at (609)984-0859. Please submit the completed form to: NJDEP, Dam Safety Section, PO Box 419, Trenton, NJ 08625.
Photo 1: Crest of dam/top of concrete parapet and upstream slope to the right of the primary spillway.

Photo 2: Concrete parapet wall along crest and upstream slope looking to the left.
Photo 3: Crest of dam/top of concrete parapet looking left towards primary spillway.

Photo 4: Bridge then gravel roadway to the right of the spillway along the crest of the dam, looking right.
Photo 5: Gravel roadway left of the spillway along the crest of the dam, looking right.

Photo 6: Previously repaired potholes within the gravel roadway.
Photo 7: Failed previously observed 6 inch spall repair.

Photo 8: A 6 inch spall on downstream slope with minor cracks in the apron.
Photo 9: Concrete apron slab along the upstream slope settled approximately 2 inches. 
Note: Location right of the primary spillway.

Photo 10: Cracking on the apron left of the spillway, looking right.
Photo 11: Cracking and repaired spall left of the spillway.

Photo 12: Spalling on top right of spillway entrance.
Photo 13: Downstream slope to the right of the spillway, looking right.

Photo 14: Downstream slope to the left of the spillway, looking left.
Photo 15: Monitoring well located on the left side downstream slope.

Photo 16: Primary spillway looking upstream beneath the bridge.
Note: Log stuck on primary spillway.
Photo 17: Primary spillway looking downstream from the bridge.

Photo 18: Exit channel looking downstream.
Note: Baffle blocks at the toe of the spillway, vegetation underneath the bridge and log lodged under fence.
Photo 19: 6 inch wide spall and crack along the right downstream wall of the spillway.

Photo 20: Overview of low level outlet intake structures looking right and upstream.
Photo 21: Low level outlet operator.

Photo 22: Damaged upstream slope around reservoir.
Note: Condition does not impact the dam.
### Table: Kuehnie Pond Dam Vibrating Wire Piezometer Readings

<table>
<thead>
<tr>
<th>Date of Reading</th>
<th>Approximate Reservoir Water Surface Elevation</th>
<th>Vibrating Wire Piezometer No.</th>
<th>Linear Gage Factor</th>
<th>Thermal Factor</th>
<th>ABC Calibration Factors</th>
<th>Linear Reading, Deg</th>
<th>Temperature, deg C</th>
<th>Temperature, deg F</th>
<th>Serial No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>C</th>
<th>Pressure, psi</th>
<th>Pressure, psf</th>
<th>Head, ft</th>
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<td>25 ft</td>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>1011011 0.07642 -0.014</td>
<td>-22221800-08</td>
<td>-1.081000-02</td>
<td>1.420700+02</td>
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<tr>
<td>07/18/18</td>
<td>25.10</td>
<td>2</td>
<td>7,521.8</td>
<td>14.5</td>
<td>58.1</td>
<td>1011010 0.07514 -0.0084</td>
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<td>1.331800+02</td>
<td>19.33</td>
<td>2,783.52</td>
<td>44.59</td>
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Notes:
1. Readings obtained using Geokon Vibrating Wire Readout Box, Model GK-404.
2. Vibrating Wire Piezometer 1 not functioning, likely due to impact from large log.
I. Emergency Notification

EMERGENCY NOTIFICATION FLOWCHART

EMERGENCY OBSERVED

Refer to Notification Information form (page 5)

OWNER/OPERATOR

Atlantic City Municipal Utilities Authority
Name: Bruce Ward
Phone: 609-345-3315
24 Hr: 609-641-0024
E-mail: bward@acmua.org

CONTRACTOR

Refer to list of Contractors form (page 19)
Weco Construction, Inc.
(609) 927-6661

OWNER’S ENGINEER

Cherry, Weber & Associates
Phone: (732) 303-8700
Name: William F. Mercurio, PE
24 Hr: (732) 740-5453
bmercurio@cherryweber.com

MUNICIPAL OEMS

Town: Absecon City Name: James Eberwine
Phone: 609-641-0667 x226
24 Hr: 609-839-6992
Police: 609-641-0667 x 0
534james@comcast.net

COUNTY OEMS

County: Atlantic County
Name: Vincent Jones
Phone: 609-407-6742
24 Hr: 609-909-7200
E-mail: jones_vincent@aclink.org

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NJ-OEM

STATE POLICE OEM

Phone: (609) 963-6900
24 Hr: 9-1-1

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NJ-DSS

DAM SAFETY

Phone: (609) 984-0859
24 Hr (877) WARNDEP 927-6337

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Date: August 2018