

# Appendix B Field Survey Results

A brief description of each property and the visibility of the plant from its location are listed below. For properties in close proximity to one another where the plant was not visible a general statement regarding the area's visibility is listed below the area's name.

## **New Jersey**

#### HANCOCK BRIDGE VICINITY

#### Alloways Creek Meetinghouse- 70-80 Buttonwood Avenue

Description: This building is located on the south side of the small town of Hancock's Bridge. It retains its original appearance both inside and out.

Visibility: Plant not visible due to trees



Photo 1. General View of Alloways Creek Meetinghouse

#### **Hancock House- 3 Front Street**

Description- House was the site of a 1778 British massacre and is now a museum operated by the state of New Jersey. The house appears mostly original except for the addition of stucco to the eastern and southern sides. The hallmark Quaker decorative brickwork is present on the western end of the house indicating the construction date, 1734, and builder. A small cabin, called a "Swedish Cabin" has also been relocated to the property.

Visibility: The plant is obscured by the surrounding structures and trees.



Photo 2. Hancock House, general view

Photo 3. Decorative brickwork (west end of house)



Photo 4. Stucco area (east end of house)

Photo 5. Swedish Cabin

#### Abbott House at 120 Abbott Farm Road

Description- The house is not included in the listed of NRHP properties but appears to be of a similar age to surrounding listed properties. The entire house has been covered in stucco and the windows have been updated. It is difficult to see the entire house due to a large number of trees in the yard.

Visibility- The plant was not visible from the driveway, but is likely to be within sight of the house from the backyard.



Photo 6. General view of house, front.



**Photo 7.** General View west end of house

#### Joseph Ware House- 134 Poplar Street

Description- The majority of the house is obscured from view by trees throughout the yard. The portions that are visible appear to be in their original state, except for a garage addition on the west side of the house.

Visibility- The plant is visible from the driveway to the house but was not completely visible from the house due to a wooded area.



Photo 8. General view of Ware House



Photo 9. View of plant from driveway

#### **Deen House- 112 Poplar Street**

Description- This house was built in 1725 according to the decorative brick on the eastern end of the house. The house appears mostly original and is similar in style to other Quaker homes in the Hancock Bridge area. A second structure, roughly the same size and style, was constructed just west of the house at a later time.

Visibility-The existing plant is obscured by trees located to the west of the house.



Photo 10. General view of the Deen House

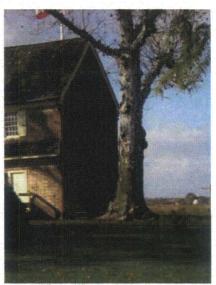


Fig 11. Eastern end showing decorative brickwork

#### **SALEM CITY**

#### **Broadway Historic District**

Description: The Broadway Historic District is a relatively fractured district comprised of structures dating to the 17<sup>th</sup> through the 20<sup>th</sup> centuries. The oldest and most intact portion of the district is from Front Street to Market Street. The southeast portion of the district appears to be mainly 19<sup>th</sup> and 20<sup>th</sup> Century structures interspersed with a few modern commercial buildings. Buildings near the Market Street intersection appear to be in the original structures but have been modified for better usage as commercial space.

Visibility: The plant is obscured from view by existing buildings.



Photo 12. Commercial area near Market Street



Photo 13. General view southeast end of district



Photo 14. Modern commercial building



Photo 15. Commercial buildings near Market Street



Photo 16. Typical residence in northeast portion of district

## **Market Street Historic District**

Description- This is a small district, only about 2 blocks along Market Street, but the district appears extremely intact. The only non-contributing structures are a municipal building from the 1950's and a modern gas station. The remainder of the district dates to the 16<sup>th</sup> and 17<sup>th</sup> century.

Visibility- the plant is obscured from view by buildings along Broadway Street.

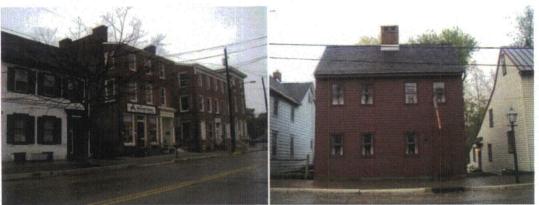


Photo 17. General view of Market Street

Photo 18. General view of Market Street

## **Hedge-Carpenter-Thompson Historic District**

Description- The district is comprised of 19<sup>th</sup> and 20<sup>th</sup> century residences. The district is reasonably intact with large Victorians along Oak Street and smaller row-type homes throughout the remainder of the district. The row-type house that comprise the majority of the district have mainly been recovered with vinyl siding or are in a degraded state. The only notable gaps in the district are a few lots where the existing structures have been demolished.

Visibility- the cooling tower is obscured by surrounding buildings.



Photo 19. View along Oak Street



Photo 20. View along Carpenter Street

#### OTHER NEW JERSEY AREAS

#### Finn's Point Rear Range Light- 179 Lighthouse Road (County Road 632)

Description: The range light maintains its original appearance and signs state that the only change to the structure was updating to an automatic light prior to its disuse in the 1950s. A tool shed and small outbuilding are the only two original structures remaining associated with the range light. The light keeper's house has been reconstructed and two modern outbuildings are also present on the property.

Visibility: The existing plant is not visible from the ground due to a wooded area, but is likely visible from the top of the range light.



Photo 21. General view of Rear Range Light



Photo 22. Tool shed and small outbuilding

#### Fort Mott and Finns Point National Cemetery District- 454 Ft. Mott Road

Description: The district is comprised of several buildings remaining from Fort Mott and a cemetery containing burials from a variety of military conflicts. Many of the remaining buildings area a standard two-story design, but also included a fortified gun battery, the former parade grounds, and a tower structure. The cemetery contains the remains of soldiers from the Civil War, Spanish-American War, German Prisoners of War, and some soldiers from Fort Dix.

Visibility: The cooling tower was not visible. Cooling tower and reactor domes are visible along Fort Mott Road. Cooling tower is likely visible from the Fort Mott Range Finder tower.



Photo 23. Union Soldiers Memorial

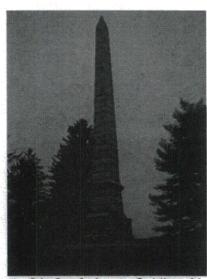


Photo 24. Confederate Soldiers Memorial



Photo 25. View towards PSEG Site

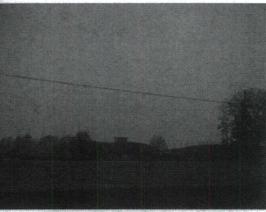


Photo 26. Fortified gun battery

## Benjamin Holmes House- 410 Ft. Elfsborg Road (County Road 624)

Description- The house is in excellent shape and shows signs of several additions. Several modern barns and outbuilding are located next to the house.

Visibility- The cooling tower from the existing plant is visible from the house.



Photo 27. General View of the Benjamin Holmes House, Front

## Abel and Mary Nicholson- 12 Ft. Elfsborg Road (County Road 624)

Description- The house is located back a long, restricted access driveway and appears to be in excellent condition. The original house was added on to soon after its original construction in 1722. The only modern modifications are the addition of plexiglass over the first floor windows, a heating oil tank, and metal cellar doors.

Visibility- the plant is slightly obscured from the house by a small stand of trees but is easily visible from the driveway.



Photo 28. General view from southwest corner of house



Photo 29. View of house and cooling tower from driveway

#### Sarah and Samuel Nicholson- Money Island Road

Description- It is unclear where this structure is located based on the available map information. The house located at 21 Money Island Road appears to be the best possibility for this structure, but has been heavily modified with a garage addition, siding, and a columned front porch. An abandoned silo and empty wooded lot is located across the road from this house and presents the only other possibility for this property.

Visibility- The plant is obscured from view by trees and overgrowth.



Photo 30. General View of 21 Money Island Road



**Photo 31.** View of addition of South side of house



Photo 32. View towards plant from intersection with CR624



Photo 33. Silo and wooded lot across from house

## John Mason House- 63 Money Island Road

Description- house maintains most of its original look but has been covered completely in stucco and a small addition has been added to the rear of the house.

Visibility- The existing plant is slightly obscured by trees and overgrowth.



N/A

Photo 34. General view of Mason House

Photo 35. View of rear addition



Photo 36. View from John Mason House, towards existing plant

#### **Delaware**

#### **ODESSA VICINITY**

Visibility- no historic properties in Odessa are within sight of the existing plant

## Appoquinimink Friends Meetinghouse- Main Street (Route 299)

Description- The property is a small brick building located behind a newer (1880's) church building. The building is surrounded on three sides by two separate graveyard areas. Several modern houses are visible over the graveyard wall to the northwest.



Photo 37. General View of Meetinghouse

Photo 38. Graveyard with modern house in background

#### **Duncan Beard Site**

Note: this property was not located but is probably intact based on the level of preservation in Odessa. A historic marker referencing Duncan Beard is located south of town on Old State Road near the intersection of Taylors Bridge Road. No structure is present at this location.

## Corbit-Sharp House- 118 Main Street

Description-This property is a restored brick residence located within or near the Odessa Historic District. The structure appears to be in excellent condition and original in appearance.



Photo 39. General view of Corbitt-Sharp House

#### **Odessa Historic District**

Description- This district is located on Main and High Streets in Odessa and is comprised of structures dating from the 18<sup>th</sup> through the 20<sup>th</sup> Centuries. The district contains architectural integrity with the oldest structures located nearest the Appoquinimink River and only a few modern municipal buildings are located within the district's boundaries.



Photo 40. General view of Main Street



Photo 41. General View of Main Street



Photo 42. General View of High Street



**Photo 43.** Collins-Sharp House ca. 1700 on 2<sup>nd</sup> Street



Photo 44. Modern Structure- Odessa Fire Department

## Old St. Paul's Methodist Church- 506 High Street

Description- This property is a brick church that has some improvements to its original construction. Headstones are visible in the surrounding graveyard circa the 1870's to present.



Photo 45. General View of Old St. Paul's Methodist Episcopal Church

#### MIDDLETOWN VICINITY

Visibility- no historic properties in Middletown are within sight of the existing plant.

**Greenlawn-** could not be located; the property is located in an area that is currently a large subdivision of the same name

**Field Heirs-** could not be located; the property is located in an area that is currently a large subdivision and apartment complex.

#### Middletown Academy- 218 North Broad Street

Description- this is a large brick building that appears to retain much of its original appearance but has undergone some modifications. This property is located within the Middletown Historic District and many of the surrounding properties are of similar age.



Photo 46. Middletown Academy

#### **Middletown Historic District**

Description- is an extremely fractured historic district with a large number of modern commercial buildings scattered throughout the district and a number of historic structures in poor condition. The majority of intact properties lie on the outside boundaries of the district. A significant amount of the properties have been covered with vinyl or aluminum siding and have sustained minor renovations.



Photo 47. View along North Cass Street



Photo 48. View of Main St. from Catherine St.



Photo 49. View of Cass Street from Cochran Street



Photo 50. Intersection of Main and Broad Streets

## St. Joseph Church- 17 Cochran Street

Description- this property is a 19<sup>th</sup> Century Gothic- Revival style wooden frame church that appears to have architectural integrity.

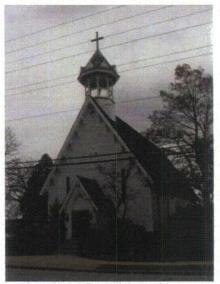


Photo 51. St. Joseph Church

## Armstrong-Walker House- 5036 Summit Bridge Road (State Road 71)

Description- this property is currently being renovated, but still appears to be in its original condition. An older barn is present behind the house. A modern commercial building is located across the road from this property.



Photo 52. Armstrong-Walker House

Photo 53. Modern building across street

#### ST. GEORGE AREA

Visibility- No properties in St. George are within sight of the existing plant site.

Most properties are within view of the Route 13 and Route 1 bridges that cross the Chesapeake and Delaware Canal.



Photo 54. Route 13 Bridge (in foreground) and Route 1 Bridge

#### **Sutton House- 10 Delaware Street**

Description- is a brick residence located within the North St. George Historic District. The house is in good condition with a rear addition.



**Photo 55.** General view, front of Sutton House



**Photo 56.** View of North side of Sutton House

## **North Saint Georges Historic District**

Description- this is a small district comprised of 18<sup>th</sup> through 20<sup>th</sup> century structures that encompass the majority of structures in North Saint George. A few more modern houses are scattered throughout the district, but overall the district maintains architectural integrity.



Photo 57. View south on Broad Street

Photo 58. View North on Main Street



Photo 59. Single-Family residence within district



Photo 60. View South on Main Street

# St. Georges Presbyterian Church- Main Street

Description- this property is a 19<sup>th</sup> century brick church building located within the North Saint George Historic District.



Photo 61. St. Georges Presbyterian Church

## Bloomfield- Kirkwood-St. George Road

Description- the property is a Victorian era wooden house located to the west of the historic district. Several modern barns have been built behind the house and

it appears the property is a large horse farm.



Photo 62. General view of Bloomfield

#### **DELAWARE CITY**

Visibility- No properties in Delaware City are within sight of the existing plant site.

# Chelsea- 910 5th Street

Description- is a brick residence that has had an addition made to the rear of the house.



Photo 63. General view of Chelsea

#### Eastern Lock of the Chesapeake and Delaware Canal

Description- The remains of this lock are located within a city park along the Chesapeake and Delaware Canal. The lock has been surrounded by a bricked walkway and is no longer connected to the canal.

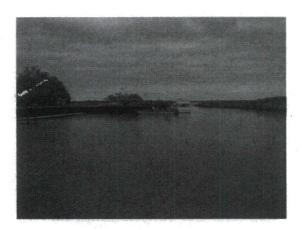


Photo 64. General View of Lock from Canal Street

## **Fort Dupont Historic District**

Description- This district contains the remnants of a former military base that was used from the Civil War through World War II. Portions of original buildings remain in various conditions, ranging from severely deteriorated to currently in use as administrative offices. The northern portion of campus is currently in use as the Governor Bacon Health Center, which appears to mostly be newer buildings not original to the fort. The Delaware Departments of Natural Resources and Environmental Control and Health and Social Services occupy a large portion of the original buildings, including the large underground gun batteries.





Photo 65. Building on Wilmington Avenue

Photo 66. Building along Kent Avenue

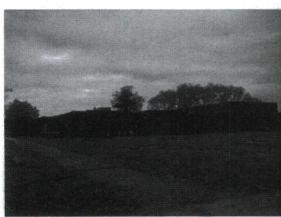


Photo 67. Modern Bldg. at Governor Bacon Health Center



Photo 68. Bldg. north of Gov. Bacon Center

## **Delaware City Historic District**

Description- this district is a moderately intact property that is a combination of residential and commercial buildings. Many of the structures have been covered with siding, but maintain their overall original appearance.



Photo 69. View from intersection of Canal and Front Street

Photo 70. View of Clinton Street



Photo 71. Example of a non-contributing structure

#### **OTHER AREAS**

## Augustine Beach Hotel- 1919 St. Augustine Road (Route 9)

Description- the property is a large building that appears mostly original but in a degraded state. Several wooden structures have been added to the northern end of the structure.

Visibility- The existing plant is clearly in view across the bay.



Photo 72. Gen. view of Augustine Beach Hotel



Photo 73. View of existing plant from across Route 9

#### **Port Penn Historic District**

Description- the district is relatively intact, although most residences have been covered in vinyl or aluminum siding. A few commercial buildings are located at the intersection of Congress and Market Streets.

Visibility- the plant is visible from portions of Congress Street



Photo 74. View West on Market Street



Photo 75. Commercial Building on Market Street



Photo 76. Typical residence on St. Augustine Road

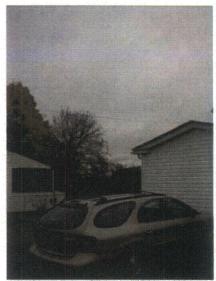


Photo 77. View from Congress St.

#### Liston Front Range Lighthouse- 1600 Belts Road

Description- this property maintains its original appearance except for an updated metal roof.

Visibility- the existing plant is visible from the property



Photo 78. Liston Front Range Lighthouse

#### Riverdale-1322 Bayview Road

Description- this property appears to be the original structure with a western addition and a garage addition off that addition.

Visibility- plant is obscured from property by trees



Photo 79. General View of Riverdale

Photo 80. Garage addition with house in background

#### Hell Island

Description- this is the only archaeological site in the area that is listed on the National Register of Historic Places. The site is located on a small island surrounded by a combination of marshland and farmland. The site is currently within the Appoquinmink State Wildlife Area, which is a state regulated hunting area with hunting stands spread across the area.

Visibility- the existing plant is in clear view of the site



Photo 81. General View of Hell Island and plant



**Photo 82.** View of existing plant from the site

#### Fleming House- 992 Fleming Island Road (Route 9)

Description- structure appears mostly original, but differs from most structures in the area because it is has a wood clapboard exterior. The house is located on a small knoll next to Blackbird Creek.

Visibility- The existing plant is obscured from view by several private residences on the east side of Fleming Island Road.



Photo 83. Fleming House, General



Photo 84. Fleming House, Front and West Sides

## Short's Landing Hotel Complex- 6180 Fleming Island Road

Description- the property is a brick building that appears original. The building is currently used by the Delaware Department of Fish and Wildlife as office space.

Visibility- The existing plant is obscured from view of the house by a small stand of trees, however the plant is visible a short distance down the driveway from the house.



Photo 85. Gen. View of Short's Landing Hotel Complex



Photo 86. View towards existing plant from drive

#### **Liston House- Cedar Swamp Road**

Description- this property is located inside a restricted access area owned by the Odessa Wildlands, Inc. The house site only contains a silo, barn, and outbuilding none of which are original to the Liston House. No residence is present at this location.

Visibility- The existing plant is clearly visible from this property.



Photo 87. Outbuildings at Liston House

Photo 88. Possible House Rubble



Photo 89. View of plant and Liston House site

#### Hart House- Cedar Swamp Road

Description- this property is also located with the restricted area owned by Odessa Wildlands, Inc. No structures or associated outbuilding are present at this location. The exact location of the structure is uncertain, but is known to be in the general vicinity of the Liston House.

Visibility- The existing plant is clearly visible from this property.

Reedy Island Rear Range Light-Intersection of State Route 9 and Cedar Swamp Road (County Route 453)

Description- This property is a typical range light design in similar condition to the range light at Finns Point. An associated structure is located at the base of the light and appears to be original.

Visibility- The plant is not visible from the ground, but is likely visible from the top of the light.

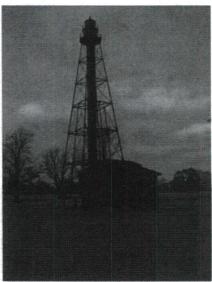


Photo 90. Reedy Island Rear Range Light

#### **Huguenot House-798 Cedar Swamp Road (CR 453)**

Description- this property is a brick residence that appears mostly original. An addition has been added to the western end of the house and a modern detached garage is located behind the structure.

Visibility- The plant is not visible from this location.



Photo 91. General View of Huguenot House

#### Achmester- 617 Marl Pit Road

Description-This property is in a degraded condition. All windows have been boarded up, the side porch is beginning to collapse, and a modern trailer has been placed behind the building. Several older outbuildings are still standing behind the house. A large modern subdivision is within view of the property, roughly ½ mile to the Southeast.

Visibility- The plant is not visible from this location.



Photo 92. General view of Achmester



Photo 93. View of subdivision from Marl Pit Road

## Commander Thomas MacDonough House- 2501 DuPont Highway (Route 13)

Description- the property is currently half exposed brick and half vinyl siding with a modern addition to the south side of the building. An older barn is present behind the house, which is currently in use as an antique shop.

Visibility- The cooling tower is visible from this location.



Photo 94. General View of Comdr.

MacDonough House



Photo 95. South Addition and Barn

## Monterey- 692 Bayview Road

Description- this property is in excellent condition and has several original outbuildings.

Visibility- the plant is obscured from view by a line of trees to the east.



Photo 96. General View of Monterey Photo 97. Outbuildings to the rear of the house

### Misty Vale- off Reading Lane

Description- this property is located with a modern subdivision, Misty Vale Farm, but maintains its original look. The house has been updated with an enclosed porch and new windows, but otherwise looks original. An original large barn is nearby along with a modern outbuilding and garage.

Visibility- The cooling tower is visible from this location.



Photo 98. East side of Misty Vale



Photo 99. South side of Misty Vale



Photo 100. Barn and surrounding homes in background



Photo 101. View of cooling tower from driveway

#### Liston Rear Range Light- 409 Port Penn Road

Description- this range light is of a similar design to the others in the area and appears to be functional. Several residences are present at the base of the light and appear to be the light keeper's and assistant keeper's residences.

Visibility- The plant's cooling tower is not visible from this location, but may be visible from the top of the range light.



Photo 102. Liston Rear Range Light, Keeper's House on left

#### Mondamon Farm- 380 Port Penn Road

Description- this property was difficult to see due to several large trees in front of the house, but appears to be original based on the visible portions. There are several large barns located behind the residence. This property is located near the Liston Rear Range Light.

Visibility- The cooling tower is not visible from this property.



Photo 103. View of Mondamon from driveway



Photo 104. View from the Southeast

## Biddle House- Corner of Port Penn Road and Route 13

Description- this is a deteriorated building located behind a modern restaurant.

Visibility- The cooling tower is not visible at this location due to trees to the east



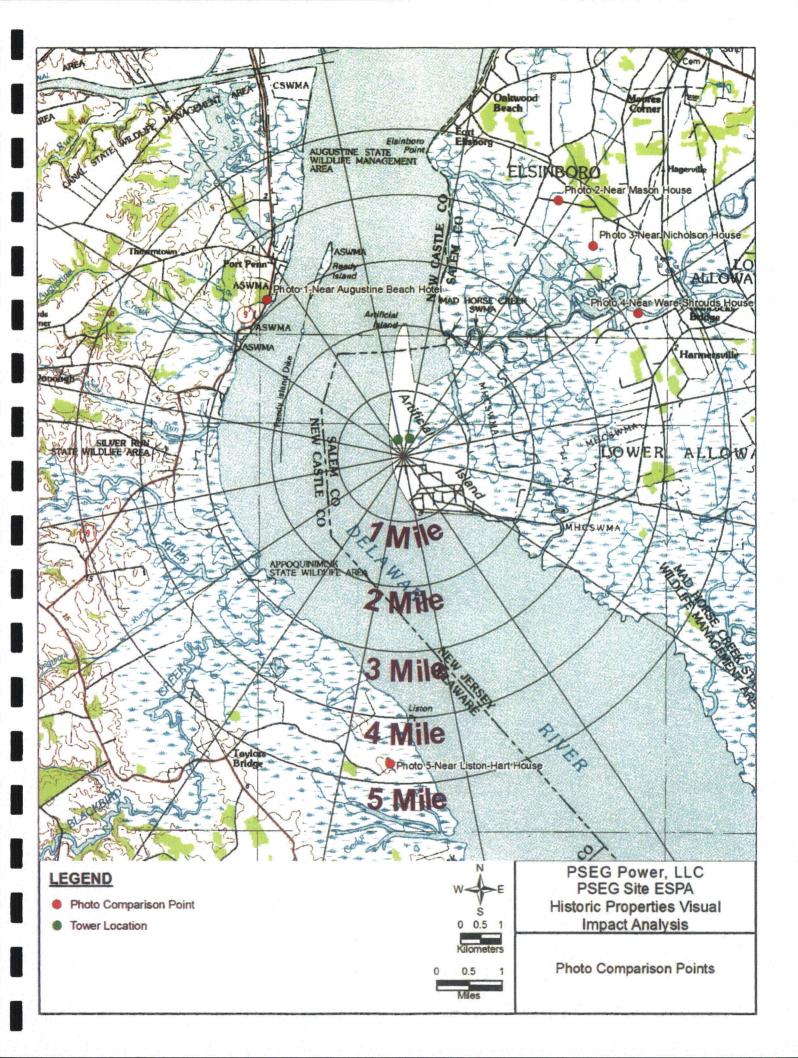


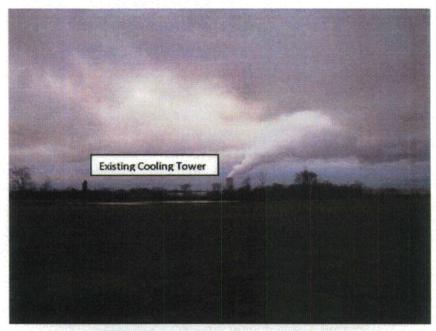
**Photo 105.** View of South side of Biddle House Biddle House

Photo 106. View of North side of

# Appendix C

**3-D Simulated Perspectives of the New Plant** 





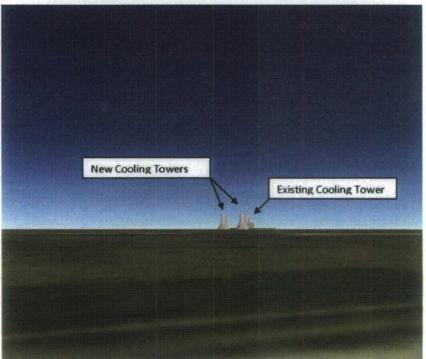
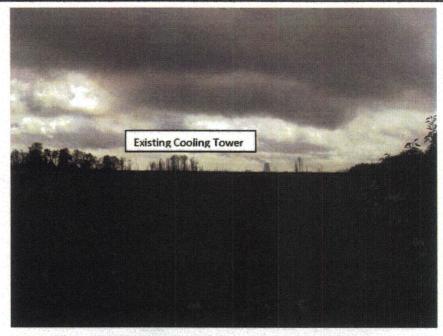


Photo 1- Top: Photo view from Augustine Beach Hotel. Bottom: 3-d Representation from photo location.



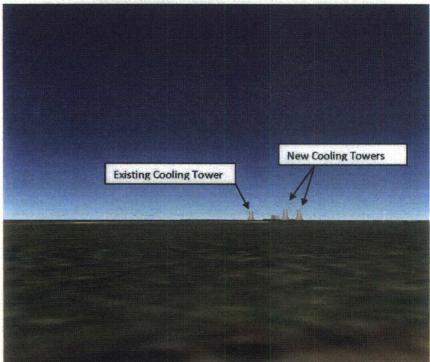
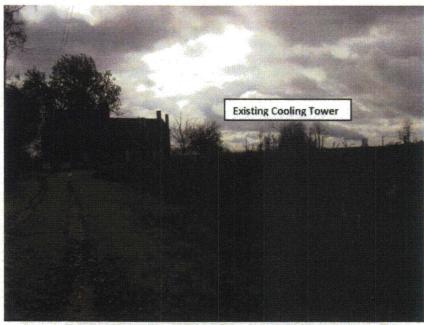


Photo 2- Top: Photo view from Mason Point Road near Mason House. Bottom: 3-d Representation from photo location.



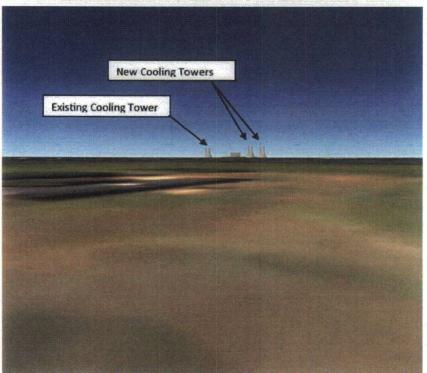
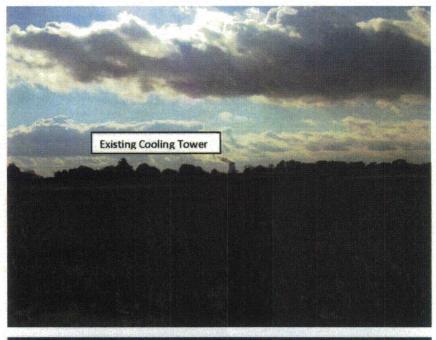


Photo 3- Top: Photo view from Abel and Mary Nicholson house. Bottom: 3-d Representation from photo location.



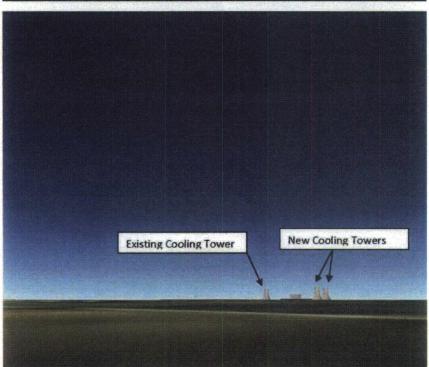
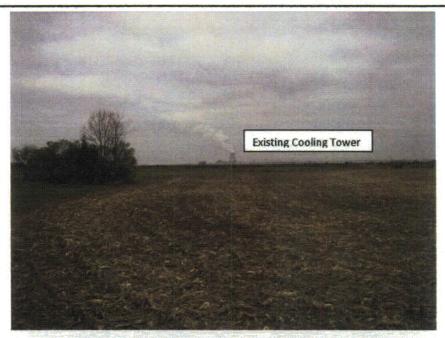


Photo 4- Top: Photo view from Ware-Shourds house. Bottom: 3-d Representation from photo location.



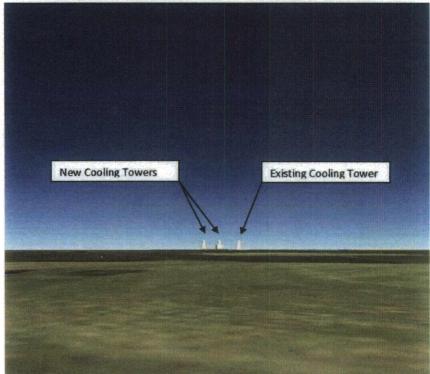
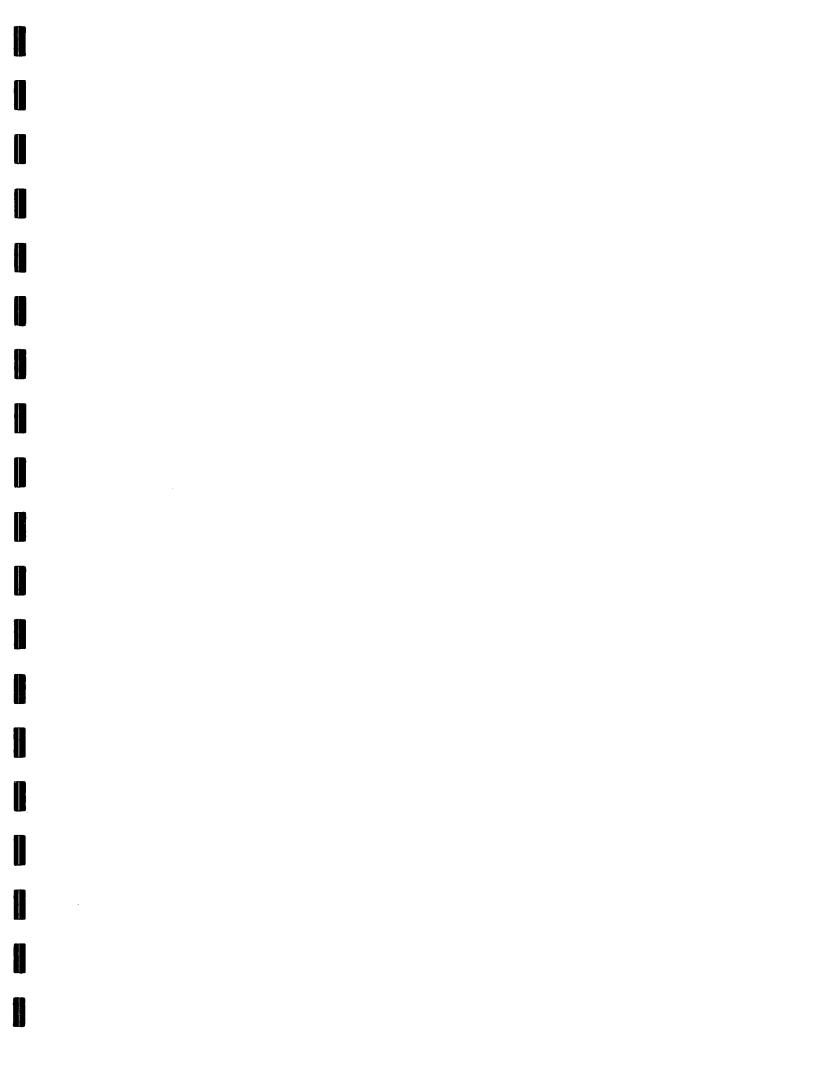


Photo 5- Top: Photo view near Liston-Hart house. Bottom: 3-d Representation from photo location.



## Enclosure 9

DE SHPO letter, April 15, 2010

CI -573

## State of Delaware Historical and Cultural Affairs

21 The Green Dover, DE 19901-3611

Phone: (302) 736.7400

Fax: (302) 739.5660

April 15, 2010

Nuclear Development Received

Mr. Jeffrey J. Pantazes Nuclear Development Environment Manager PSEG Power, LLC 244 Chestnut Street Salem, NJ 08079

APR 29 2010

RE:

Visual Impact Assessment, Hope Creek-Salem Nuclear Power Plant

Dear Mr. Pantazes:

Thank you for providing us with the Visual Impact Assessment report for the above project. We found the differences which resulted from field checking the properties versus the results of the GIS study quite interesting. Upon review of this report, it was difficult to get a visual sense of the overall effect of the sampling method used because Figures 1 through 5 did not differentiate between those properties which were field-checked versus those which were not. Possibly using different symbols for each category would have made this clearer. Many of the field-checked properties were very close to each other and without maps to show where the field checking took place it is difficult to determine if the sampling patterning was appropriate.

In hindsight, we suggest that a field check of all of the properties in Delaware would have been the best approach so that we would truly know which of the 80 Delaware properties listed on the National Register of Historic Places will be visually impacted by the project. The Nuclear Regulatory Commission (NRC) may need to expand its base of information in order to appropriately assess the visual effect of this project on all properties listed or eligible for listing on the National Register of Historic Places.

I have copied the two consulting parties required under the Section 106 review process and ask that as the project moves forward, they continue to be kept apprised of the status. We look forward to working with the NRC and PSEG in continuing the consultation process. If you have questions, please contact me. I can be reached at joan.larrivee@state.de.us or 302-736-7406.

Sincerely,

Architectural Historian

Ms.Christine V. Quinn, Preservation Planner
 New Castle County Department of Land Use
 87 Reads Way
 New Castle, DE 19720

Ms.Terry Graham, Executive Director Preservation Delaware, Inc. 1405 Greenhill Avenue Wilmington, DE 19806

