

4.0 Environmental Conditions

4.1 Unusual or Important Environmental Events

Any occurrence of an unusual or important event that indicates or could result in significant environmental impact causally related to plant operation shall be recorded and reported to the NRC within 24 hours followed by a written report per Subsection 5.4.2. The following are examples: excessive bird impactation events; onsite plant or animal disease outbreaks; mortality or unusual occurrence of any species protected by the Endangered Species Act of 1973; fish kills or impingement events on the intake screens; increase in nuisance organisms or conditions; unanticipated or emergency discharge of waste water or chemical substances.

No routine monitoring programs are required to implement this condition.

4.2 Environmental Monitoring

4.2.1 Aquatic Monitoring

The certifications and permits required under the Clean Water Act provide mechanisms for protecting water quality and, indirectly, aquatic biota. The NRC will rely on the decisions made by the State of New Jersey under the authority of the Clean Water Act and, in the case of sea turtles and shortnose sturgeon, decisions made by the National Marine Fisheries Service (NMFS) under the authority of the Endangered Species Act, for any requirements pertaining to aquatic monitoring.

In accordance with Section 7(a) of the Endangered Species Act, on May 14, 1993, the National Marine Fisheries Service issued a Section 7 Consultation Biological Opinion related to the operation of Salem Unit 1 and 2 Generating Stations. This Section 7 Consultation entitled, "Reinitiation of a consultation in accordance with Section 7(a) of the Endangered Species Act regarding continued operation of the Salem and Hope Creek Nuclear Generating Stations on the eastern shore of the Delaware River in New Jersey," concluded that "...continued operation is not likely to jeopardize the continued existence of listed species."

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In accordance with Attachment 1, Incidental Take Statement, to this Biological Opinion, and all subsequent amendments as may be approved by the National Marine Fisheries Service, PSE&G shall:

- (1) Inspect the Salem Station circulating water intake trash bars at least once every two hours from June 1 through October 15. These inspections should be documented.
- (2) Clean the Salem Station circulating water trash bars once per day from June 1 through October 15. These cleanings should be documented.

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- (3) If a lethal incidental take of an endangered or threatened species occurs between June 1 through September 30, that is directly attributable to the plant intake structure, monitoring of the Salem CWS intake structure must be conducted hourly (rather than every 2 hours). Two hour monitoring may be reestablished from October 1 through October 15, however, if a lethal take occurs, monitoring must be again conducted hourly.
 - (4) Make use of dip nets and other equipment whenever possible to remove smaller sea turtles from intake water trash racks to reduce trauma caused by the existing cleaning mechanism. Use supplemental lighting during night inspections to assist noting sea turtles at the circulating water intake, impinged on the trash racks.
 - (5) Implement the sea turtle resuscitation procedures for comatose turtles described in Appendix I of the Section 7 Biological Opinion. These procedures and related materials shall be posted in appropriate areas such as the fish pool buildings and the circulating water intake operators office.
 - (6) The monitoring and reporting system established in 1981 and modified in Appendix II of the Section 7 Biological Opinion will continue. These reports shall be sent to the NMFS, North East Region (NER) within 30 days of any incidental take. Notification and reporting to the NRC shall be in accordance with Section 4.1 of this EPP.

~~Attachment 2~~ ^{The} Conservation Recommendations, to this Biological Opinion suggests conservation recommendations for implementation by Salem Generating Station. The Station shall implement these recommendations to the satisfaction of the National Marine Fisheries Service.

4.2.2 Terrestrial Monitoring

Terrestrial monitoring is not required.

New Paragraph : "PSE+G shall adhere to the specific requirements within the Incidental Take Statement, to this Biological Opinion, and approved changes on a case-by-case basis by the National Marine Fisheries Service."

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In accordance with Attachment 1, Incidental Take Statement, to this Biological Opinion, and all subsequent amendments as may be approved by the National Marine Fisheries Services, PSE&G shall:

- (1) Inspect the Salem Station circulating water intake trash bars at least once every two hours from June 1 through October 15. These inspections should be documented.
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- (3) If a lethal incidental take of an endangered or threatened species occurs between June 1 through September 30, that is directly attributable to the plant intake structure, monitoring of the Salem CWS intake structure must be conducted hourly (rather than every 2 hours). Two hour monitoring may be reestablished from October 1 through October 15, however, if a lethal take occurs, monitoring must be again conducted hourly.
 - (4) Make use of dip nets and other equipment whenever possible to remove smaller sea turtles from intake water trash racks to reduce trauma caused by the existing cleaning mechanism. Use supplemental lighting during night inspections to assist noting sea turtles at the circulating water intake, impinged on the trash racks.
 - (5) Implement the sea turtle resuscitation procedures for cormatose turtles described in Appendix I of the Section 7 Biological Opinion. These procedures and related materials shall be posted in appropriate areas such as the fish pool buildings and the circulating water intake operators office.
 - (6) The monitoring and reporting system established in 1981 and modified in Appendix II of the Section 7 Biological Opinion will continue. These reports shall be sent to the NMFS, North East Region (NER) within 30 days of any incidental take. Notification and reporting to the NRC shall be in accordance with Section 4.1 of this EPP.

The
~~Appendix II~~ Conservation Recommendations, to this Biological Opinion suggests conservation recommendations for implementation by Salem Generating Station. The Station shall implement these recommendations to the satisfaction of the National Marine Fisheries Service.

4.2.2 Terrestrial Monitoring

Terrestrial monitoring is not required.

NEW PARAGRAPH: "PSE 6 shall adhere to the specific requirements within the Incidental Take Statement, to this Biological Opinion, and approved changes on a case-by-case basis by the National Marine Fisheries Service."