

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Monday, February 3, 2020 10:34 AM
To: EndangeredSpecies Resource
Cc: Strait, Kenneth A.
Subject: [External_Sender] RE: RE: Salem Generating Station - Incidental Take of Atlantic Sturgeon 01/31/2020
Attachments: LR-E19-0035 annual incidental take report station remp.pdf; LR-E19-0036 annual incidental take report river monitoring.pdf

No problem at all. The 2018 reports are attached. Let me know if you need anything else.

Richard

From: EndangeredSpecies Resource [<mailto:EndangeredSpecies.Resource@nrc.gov>]
Sent: Monday, February 03, 2020 10:21 AM
To: Cary, Richard H.
Cc: Strait, Kenneth A.
Subject: [EXTERNAL] RE: RE: Salem Generating Station - Incidental Take of Atlantic Sturgeon 01/31/2020

Richard,

I apologize, I had meant to ask for a copy of the 2018 report. Thank you for the reminder that the 2019 report is not yet due.

Briana

Briana A. Grange

Conservation Biologist & ESA Consultation Coordinator

Division of Rulemaking, Environmental, and Financial Support
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
(301) 415-1042
briana.grange@nrc.gov

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Monday, February 03, 2020 10:19 AM
To: EndangeredSpecies Resource <EndangeredSpecies.Resource@nrc.gov>
Cc: Strait, Kenneth A. <Kenneth.Strait@pseg.com>
Subject: [External_Sender] RE: Salem Generating Station - Incidental Take of Atlantic Sturgeon 01/31/2020

Hi Briana,

The 2019 Annual Incidental Take Report is currently being prepared and will be submitted by March 15th.

Richard

From: EndangeredSpecies Resource [<mailto:EndangeredSpecies.Resource@nrc.gov>]
Sent: Monday, February 03, 2020 8:54 AM
To: Cary, Richard H.
Subject: [EXTERNAL] RE: Salem Generating Station - Incidental Take of Atlantic Sturgeon 01/31/2020

<p>***CAUTION***</p> <p>This e-mail is from an EXTERNAL address. The actual sender is (prvs=295f227a4=EndangeredSpecies.Resource@nrc.gov) which may be different from the display address in the From: field. Be cautious of clicking on links or opening attachments. Suspicious? Report it via the Report Phishing button. On mobile phones, forward message to IT Security.</p>	<p>***CAUTION***</p>	<p>***CAUTION***</p>
---	-----------------------------	-----------------------------

Richard,

Thank you for the notification. Would you be able to forward me a copy of Salem and Hope Creek's 2019 annual incidental take report? I apologize, but I am unable to locate it in my records. Thank you!

Briana

Briana A. Grange

Conservation Biologist & ESA Consultation Coordinator

Division of Rulemaking, Environmental, and Financial Support
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
(301) 415-1042
briana.grange@nrc.gov

From: Cary, Richard H. <Richard.Cary@pseg.com>
Sent: Friday, January 31, 2020 4:08 PM
To: incidental.take@noaa.gov; EndangeredSpecies Resource <EndangeredSpecies.Resource@nrc.gov>
Cc: jeanette.bowers@dep.nj.gov
Subject: [External_Sender] Salem Generating Station - Incidental Take of Atlantic Sturgeon 01/31/2020

Pursuant to Biological Opinion NER-2010-6581, PSEG respectfully provides this preliminary notification regarding the incidental take of a deceased Atlantic sturgeon recovered from the trash bars at the Salem Generating Station cooling water intake. The specimen has been retained and frozen for further study pending direction from NOAA/NMFS. PSEG will provide the detailed Incidental Take Report and Data Collection Form as soon as available. Preliminary information regarding the incidental take is as follows:

Species Identification:	Atlantic Sturgeon (<i>Acipenser oxyrinchus</i>)
Site of Collection:	Salem Generating Station cooling water intake trash bars
Date Collected:	01/31/2020
Time Collected:	1100
Condition:	Deceased
Length:	118.8 cm TL

Richard Cary
Environmental Compliance and Program Manager
PSEG Nuclear Environmental Affairs
856-339-1487

The information contained in this e-mail, including any attachment(s), is intended solely for use by the named addressee(s). If you are not the intended recipient, or a person designated as responsible for delivering such messages to the intended recipient, you are not authorized to disclose, copy, distribute or retain this message, in whole or in part, without written authorization from PSEG. This e-mail may contain proprietary, confidential or privileged information. If you have received this message in error, please notify the sender immediately. This notice is included in all e-mail messages leaving PSEG. Thank you for your cooperation.

The information contained in this e-mail, including any attachment(s), is intended solely for use by the named addressee(s). If you are not the intended recipient, or a person designated as responsible for delivering such messages to the intended recipient, you are not authorized to disclose, copy, distribute or retain this message, in whole or in part, without written authorization from PSEG. This e-mail may contain proprietary, confidential or privileged information. If you have received this message in error, please notify the sender immediately. This notice is included in all e-mail messages leaving PSEG. Thank you for your cooperation.

The information contained in this e-mail, including any attachment(s), is intended solely for use by the named addressee(s). If you are not the intended recipient, or a person designated as responsible for delivering such messages to the intended recipient, you are not authorized to disclose, copy, distribute or retain this message, in whole or in part, without written authorization from PSEG. This e-mail may contain proprietary, confidential or privileged information. If you have received this message in error, please notify the sender immediately. This notice is included in all e-mail messages leaving PSEG. Thank you for your cooperation.

Hearing Identifier: NRR_DRMA
Email Number: 428

Mail Envelope Properties (1f5a7b95c9c8417b8025df0e457ed46d)

Subject: [External_Sender] RE: RE: Salem Generating Station - Incidental Take of Atlantic
Sturgeon 01/31/2020
Sent Date: 2/3/2020 10:34:00 AM
Received Date: 2/3/2020 10:34:11 AM
From: Cary, Richard H.

Created By: Richard.Cary@pseg.com

Recipients:

"Strait, Kenneth A." <Kenneth.Strait@pseg.com>

Tracking Status: None

"EndangeredSpecies Resource" <EndangeredSpecies.Resource@nrc.gov>

Tracking Status: None

Post Office: pseg.com

Files	Size	Date & Time
MESSAGE	5885	2/3/2020 10:34:11 AM
LR-E19-0035 annual incidental take report station remp.pdf	648105	
LR-E19-0036 annual incidental take report river monitoring.pdf	124322	

Options

Priority: Normal
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:



SEND VIA EMAIL

March 15, 2019
LR-E19-0035

National Marine Fisheries Service
Greater Atlantic Regional Fisheries Office
ATTN: Section 7 Coordinator
55 Great Republic Drive
Gloucester, MA 01930
Incidental.Take@NOAA.gov

**SALEM AND HOPE CREEK GENERATING STATIONS
BIOLOGICAL OPINION NER-2010-6581
2018 ANNUAL INCIDENTAL TAKE REPORT-STATION & REMP**

The U.S. Nuclear Regulatory Commission (USNRC) and the National Marine Fisheries Service (NMFS) concluded formal consultation under Section 7 of the Endangered Species Act of 1973, as amended, (ESA) on July 17, 2014, with NMFS's issuance of a final biological opinion and incidental take statement (ITS) for Salem Nuclear Generating Station, Units 1 and 2 (Salem), and Hope Creek Generating Station, Unit 1 (Hope Creek). USNRC Amendment Nos. 308 and 290 to Renewed Facility Operating Licenses DPR-70 and DPR-75 for the Salem Nuclear Generating Station, Unit Nos. 1 and 2, and USNRC Amendment No. 198 to Renewed Facility Operating License NPF-57 for the Hope Creek Generating Station incorporating provisions of the incidental take statement became effective at the Salem and Hope Creek Generating Stations (Station) on the date of issuance, June 17, 2015. Pursuant to Terms and Conditions (T&C) Nos. 9 and 23 of the ITS, this report is being provided to detail interactions with Endangered Species Act (ESA) listed species at the Salem and Hope Creek Generating Stations for the 2018 reporting year.

In accordance with T&C #9 of the ITS, Table 1 summarizes the sturgeon and sea turtle interactions at the Station for the previous reporting year. Tables 2 and 3 provide information regarding the collection under each category specified in the ITS. The single collection of an Atlantic sturgeon during impingement sampling of the traveling screen wash water is likely an isolated incident and cannot be extrapolated to estimate a total annual take. There were no additional sightings of sturgeon or sea turtles in the vicinity of the Station that require reporting under the ITS.

During the 2018 reporting year, there were no interactions with a listed Endangered Species Act (ESA) species during Radiological Effluent Monitoring Program (REMP) sampling. Table 4 is submitted in satisfaction of T&C #23 of the ITS.

Table 5 of this report contains records of trash rack inspection dates and times for the seven days prior to each take listed in Table 1. As demonstrated by these records, PSEG routinely inspects the trash bars at least once per shift. No observations of threatened and endangered species were noted during these inspections. None of the sturgeon or sea turtles listed in Table 1 was recovered from the water surface where they would have been observed during routine inspections.

PSEG submitted incident reports and sturgeon data reporting forms for each collection as specified in the ITS. The previously submitted reports contain additional detail and photographs for all collected specimens. Due to the poor condition of the one recovered sea turtle, no necropsy was performed.

PSEG requests direction from the NMFS on disposition on the sturgeon fin clips that have been collected pursuant to the ITS T&C #7 and #28. NMFS directed shipment of fin clips to the U.S. Geological Survey Leetown Science Center in May 2018, but PSEG has not received any results from the genetic testing. PSEG can ship the additional 2018 fin clips to the USGS lab if so directed by NMFS. If no laboratory is available, please provide written confirmation regarding disposal of these stored samples.

PSEG confirms that we have renewed our arrangement with the Marine Mammal Stranding Center (MMSC) in Brigantine, New Jersey for 2019. PSEG will continue to rely upon the MMSC to provide any necessary assistance with the transport, evaluation, veterinary care, tagging and release of and future sea turtles recovered at the Station.

If you have any questions or require additional information, please do not hesitate to contact Ken Strait at (856) 339-3929.

Sincerely,



Charles V. McFeaters
Vice President - Salem

**Table 1 Salem Generating Station
Summary of Sturgeon & Sea Turtle Collections During 2018 - Station and REMP**

Collection Date	Collection Time	Species	Mortality	Condition	Pit Tag	Unit/Bay	Disposition	Collection Location
1/16/2018	10:10	Shortnose	Alive	Healthy	#965000000363619	Unit 1 - 13A	Released	Trash Bars
1/30/2018	10:30	Shortnose	Alive	Minor Injuries	#965000000384906	Unit 1 - 13A	Released	Trash Bars
2/6/2018	9:20	Shortnose	Deceased	Moderately Decomposed	N/A	Unit 2 - 22A	Frozen	Trash Bars
3/14/2018	9:35	Atlantic	Alive	Minor Injuries	#965000000360145	Unit 1 - 13A	Released	Trash Bars
3/28/2018	9:15	Atlantic	Deceased	Partial Carcass	N/A	Unit 1 - 12A	Frozen	Trash Bars
4/11/2018	9:08	Atlantic	Alive	Severely Injured	#965000000361039	Unit 2 - 21B	Released	Trash Bars
4/11/2018	9:47	Atlantic	Deceased	Severely Damaged	N/A	Unit 1 - 13A	Frozen	Trash Bars
5/21/2018	10:40	Atlantic	Alive	Healthy	#965000000360837	N/A ¹	Released	Traveling Screens
8/27/2018	8:20	Kemp's Ridley Sea Turtle	Deceased	Severely Decomposed	N/A	Unit 1 - 13B	Disposed	Trash Bars
11/4/2018	21:30	Atlantic	Deceased	Fresh Dead	N/A	Unit 1 - 12A	Frozen	Trash Bars
11/13/2018	10:00	Atlantic	Deceased	Slightly Decomposed	N/A	Unit 1 - 13B	Frozen	Trash Bars
11/20/2018	9:35	Atlantic	Deceased	Slightly Decomposed	N/A	Unit 1 - 12A	Frozen	Trash Bars
11/20/2018	10:50	Atlantic	Alive	Severely Damaged	#965000000360995	Unit 1 - 12B	Released	Trash Bars
11/29/2018	14:30	Atlantic	Deceased	Fresh Dead	N/A	Unit 1 - 12B	Frozen	Trash Bars
12/1/2018	10:00	Atlantic	Deceased	Moderately Decomposed	N/A	Unit 2 - 21A	Frozen	Trash Bars
12/24/2018	13:30	Atlantic	Deceased ²	Severely Decomposed	#965000000360995	Unit 1 - 11B	Frozen	Trash Bars

¹ Assigned to Unit 1 in Table 2, but not possible to determine from which Unit it was collected.² Damaged Atlantic sturgeon that was released on 11/20/2018

**Table 2 Salem Generating Station
Sturgeon Collections During 2018**

Shortnose Sturgeon Collection (Trash Bars)	
Category	2018
Unit 1 - Dead	0
Unit 1 -Dead (Due to Impingement)	0
Unit 1 (Live)	2
Unit 1 - Total	2
Unit 2 - Dead	1
Unit 2 -Dead (Due to Impingement)	0
Unit 2 (live)	0
Unit 2 - Total	1
Total Collection - Dead	1
Total Collection Dead Due to Impingement	0
Total Collection (Live)	2
Total Collection	3
Atlantic Sturgeon Collection (Trash Bars)	
Category	2018
Unit 1 - Dead	7
Unit 1 -Dead (Due to Impingement)	6
Unit 1 (Live)	2
Unit 1 - Total	9
Unit 2 - Dead	1
Unit 2 -Dead (Due to Impingement)	1
Unit 2 (Live)	1
Unit 2 - Total	2
Total Collection - Dead	8
Total Collection Dead Due to Impingement	7
Total Collection (Live)	3
Total Collection	11
Atlantic Sturgeon Collection (Traveling Screens)	
Category	2018
Unit 1 - Injury or Mortality	0
Unit 1 (Live)	1
Unit 1 - Total	1
Unit 2 - Injury or Mortality	0
Unit 2 - Live	0
Unit 2 - Total	0
Total -Injury or Mortality	0
Total Collection Live	1
Total Collection	1

**Table 3 Salem Generating Station
Sea Turtle Collections During 2018**

Loggerhead Sea Turtle Collection (Trash Bars)	
Category	2018
Unit 1 Loggerhead (Dead)	0
Unit 1 Loggerhead (Live)	0
Unit 1 - Total	0
Unit 2 Loggerhead (Dead)	0
Unit 2 Loggerhead (Live)	0
Unit 2 - Total	0
Green Sea Turtle Collection (Trash Bars)	
Category	2018
Dead	0
Alive	0
Station Total	0
Kemp's Ridley Sea Turtle Collection (Trash Bars)	
Category	2018
Unit 1 Kemp's Ridley (Dead)	1
Unit 1 Kemp's Ridley (Live)	0
Unit 1 - Total	1
Unit 2 Kemp's Ridley (Dead)	0
Unit 2 Kemp's Ridley (Live)	0
Unit 2 - Total	0

**Table 4 Salem & Hope Creek Generating Stations
Radiological Effluent Monitoring Program Collections During 2018**

REMP Sampling Collection (non-lethal)	
Category	2018
Shortnose Sturgeon	0
Atlantic Sturgeon	0

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records**

 Facility-Salem Tour: Circulating/Service Water Log Operator Log Readings From Seven Days Preceding Each Incidental Take	
Description	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	1/8/2018 9:29:55 PM
CW Trash Rack Inspection (sta # 67)	1/8/2018 9:29:57 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/9/2018 10:41:13 AM
CW Trash Rack Inspection (sta # 67)	1/9/2018 10:41:15 AM
CW Trash Rack Inspection (sta # 67)	1/9/2018 8:35:23 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/9/2018 9:42:41 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/10/2018 1:37:32 PM
CW Trash Rack Inspection (sta # 67)	1/10/2018 1:37:35 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/10/2018 9:10:09 PM
CW Trash Rack Inspection (sta # 67)	1/10/2018 9:10:11 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/11/2018 2:06:28 PM
CW Trash Rack Inspection (sta # 67)	1/11/2018 2:06:30 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/11/2018 8:58:57 PM
CW Trash Rack Inspection (sta # 67)	1/11/2018 8:59:00 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/12/2018 9:54:56 AM
CW Trash Rack Inspection (sta # 67)	1/12/2018 9:54:58 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/12/2018 8:14:04 PM
CW Trash Rack Inspection (sta # 67)	1/12/2018 8:14:08 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/13/2018 9:09:50 AM
CW Trash Rack Inspection (sta # 67)	1/13/2018 9:09:58 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/13/2018 10:15:22 PM
CW Trash Rack Inspection (sta # 67)	1/13/2018 10:15:24 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/14/2018 9:28:42 AM
CW Trash Rack Inspection (sta # 67)	1/14/2018 9:28:52 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/14/2018 9:17:38 PM
CW Trash Rack Inspection (sta # 67)	1/14/2018 9:17:39 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/15/2018 10:35:59 AM
CW Trash Rack Inspection (sta # 67)	1/15/2018 10:36:01 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/15/2018 9:04:02 PM
CW Trash Rack Inspection (sta # 67)	1/15/2018 9:04:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/16/2018 10:54:31 AM
CW Trash Rack Inspection (sta # 67)	1/16/2018 10:54:34 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/22/2018 9:50:04 PM
CW Trash Rack Inspection (sta # 67)	1/22/2018 9:50:07 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/23/2018 1:00:25 PM
CW Trash Rack Inspection (sta # 67)	1/23/2018 1:00:28 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/23/2018 10:54:02 PM
CW Trash Rack Inspection (sta # 67)	1/23/2018 10:54:06 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/24/2018 9:35:31 AM
CW Trash Rack Inspection (sta # 67)	1/24/2018 9:35:47 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/24/2018 7:58:22 PM
CW Trash Rack Inspection (sta # 67)	1/24/2018 7:58:34 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/25/2018 9:07:26 AM
CW Trash Rack Inspection (sta # 67)	1/25/2018 9:07:31 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/25/2018 9:19:39 PM
CW Trash Rack Inspection (sta # 67)	1/25/2018 9:19:45 PM
CW Trash Rack Inspection (sta # 67)	1/26/2018 3:54:21 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/26/2018 4:27:27 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/26/2018 8:41:53 PM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
CW Trash Rack Inspection (sta # 67)	1/26/2018 8:42:06 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/27/2018 2:15:48 PM
CW Trash Rack Inspection (sta # 67)	1/27/2018 2:15:51 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/27/2018 8:47:12 PM
CW Trash Rack Inspection (sta # 67)	1/27/2018 8:47:16 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/28/2018 3:02:00 PM
CW Trash Rack Inspection (sta # 67)	1/28/2018 3:02:02 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/28/2018 9:10:29 PM
CW Trash Rack Inspection (sta # 67)	1/28/2018 9:10:37 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/29/2018 9:21:40 AM
CW Trash Rack Inspection (sta # 67)	1/29/2018 9:21:43 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/29/2018 7:26:11 PM
CW Trash Rack Inspection (sta # 67)	1/29/2018 7:26:13 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/30/2018 11:07:56 AM
CW Trash Rack Inspection (sta # 67)	1/30/2018 11:08:02 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/30/2018 8:51:23 PM
CW Trash Rack Inspection (sta # 67)	1/30/2018 8:51:25 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/31/2018 9:15:16 AM
CW Trash Rack Inspection (sta # 67)	1/31/2018 9:15:18 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	1/31/2018 9:24:17 PM
CW Trash Rack Inspection (sta # 67)	1/31/2018 9:24:20 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/1/2018 2:27:44 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/1/2018 9:34:15 AM
CW Trash Rack Inspection (sta # 67)	2/1/2018 9:34:20 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/1/2018 3:44:36 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/1/2018 9:40:36 PM
CW Trash Rack Inspection (sta # 67)	2/1/2018 9:40:42 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/2/2018 2:35:42 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/2/2018 11:06:59 AM
CW Trash Rack Inspection (sta # 67)	2/2/2018 11:07:01 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/2/2018 3:29:06 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/2/2018 7:43:09 PM
CW Trash Rack Inspection (sta # 67)	2/2/2018 7:43:14 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/3/2018 1:20:33 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/3/2018 2:30:27 PM
CW Trash Rack Inspection (sta # 67)	2/3/2018 2:30:29 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/3/2018 2:37:55 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/3/2018 8:38:12 PM
CW Trash Rack Inspection (sta # 67)	2/3/2018 8:38:15 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/4/2018 1:55:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/4/2018 3:51:03 PM
CW Trash Rack Inspection (sta # 67)	2/4/2018 3:51:05 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/4/2018 3:59:41 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/4/2018 8:21:36 PM
CW Trash Rack Inspection (sta # 67)	2/4/2018 8:21:39 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/5/2018 3:29:58 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/5/2018 9:29:14 AM
CW Trash Rack Inspection (sta # 67)	2/5/2018 9:29:18 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/5/2018 1:50:08 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/5/2018 10:11:03 PM
CW Trash Rack Inspection (sta # 67)	2/5/2018 10:16:48 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	2/6/2018 3:07:27 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	2/6/2018 10:54:16 AM
CW Trash Rack Inspection (sta # 67)	2/6/2018 10:54:18 AM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
Trash Rack Inspection (2nd inspection) (sta # 244)	2/6/2018 2:11:18 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/6/2018 9:40:05 PM
CW Trash Rack Inspection (sta # 67)	3/6/2018 9:40:06 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/7/2018 1:33:15 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/7/2018 7:55:53 AM
CW Trash Rack Inspection (sta # 67)	3/7/2018 7:55:55 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/7/2018 12:36:40 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/7/2018 10:34:45 PM
CW Trash Rack Inspection (sta # 67)	3/7/2018 10:34:49 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/8/2018 1:32:33 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/8/2018 7:45:17 AM
CW Trash Rack Inspection (sta # 67)	3/8/2018 7:45:19 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/8/2018 12:45:19 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/8/2018 9:31:30 PM
CW Trash Rack Inspection (sta # 67)	3/8/2018 9:31:31 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/9/2018 4:12:14 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/9/2018 9:40:23 AM
CW Trash Rack Inspection (sta # 67)	3/9/2018 9:40:26 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/9/2018 2:30:50 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/9/2018 9:12:33 PM
CW Trash Rack Inspection (sta # 67)	3/9/2018 9:12:35 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/10/2018 4:14:35 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/10/2018 10:43:49 AM
CW Trash Rack Inspection (sta # 67)	3/10/2018 10:43:51 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/10/2018 2:57:17 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/10/2018 9:19:22 PM
CW Trash Rack Inspection (sta # 67)	3/10/2018 9:19:25 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/11/2018 12:38:45 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/11/2018 10:50:52 AM
CW Trash Rack Inspection (sta # 67)	3/11/2018 10:51:06 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/11/2018 2:43:52 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/11/2018 10:29:08 PM
CW Trash Rack Inspection (sta # 67)	3/11/2018 10:29:13 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/12/2018 3:33:12 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/12/2018 7:39:41 AM
CW Trash Rack Inspection (sta # 67)	3/12/2018 7:39:43 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/12/2018 1:12:15 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/12/2018 10:16:30 PM
CW Trash Rack Inspection (sta # 67)	3/12/2018 10:16:33 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/13/2018 3:55:22 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/13/2018 8:53:36 AM
CW Trash Rack Inspection (sta # 67)	3/13/2018 8:53:39 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/13/2018 12:59:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/13/2018 10:33:16 PM
CW Trash Rack Inspection (sta # 67)	3/13/2018 10:33:17 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/14/2018 4:14:10 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/14/2018 8:26:07 AM
CW Trash Rack Inspection (sta # 67)	3/14/2018 8:26:09 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/14/2018 1:08:32 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/20/2018 9:04:23 PM
CW Trash Rack Inspection (sta # 67)	3/20/2018 9:04:31 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/21/2018 1:46:06 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/21/2018 9:49:26 AM
CW Trash Rack Inspection (sta # 67)	3/21/2018 9:49:30 AM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
Trash Rack Inspection (2nd inspection) (sta # 244)	3/21/2018 1:59:24 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/21/2018 10:55:23 PM
CW Trash Rack Inspection (sta # 67)	3/21/2018 10:55:55 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/22/2018 3:24:48 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/22/2018 10:05:34 AM
CW Trash Rack Inspection (sta # 67)	3/22/2018 10:05:36 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/22/2018 2:02:55 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/22/2018 10:04:40 PM
CW Trash Rack Inspection (sta # 67)	3/22/2018 10:04:51 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/23/2018 2:57:47 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/23/2018 9:28:56 AM
CW Trash Rack Inspection (sta # 67)	3/23/2018 9:28:58 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/23/2018 1:54:27 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/23/2018 10:24:46 PM
CW Trash Rack Inspection (sta # 67)	3/23/2018 10:24:48 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/24/2018 2:20:51 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/24/2018 9:46:09 AM
CW Trash Rack Inspection (sta # 67)	3/24/2018 9:46:13 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/24/2018 1:37:49 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/24/2018 10:36:23 PM
CW Trash Rack Inspection (sta # 67)	3/24/2018 10:36:25 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/25/2018 2:32:56 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/25/2018 8:06:57 AM
CW Trash Rack Inspection (sta # 67)	3/25/2018 8:06:59 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/25/2018 2:01:05 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/25/2018 8:24:31 PM
CW Trash Rack Inspection (sta # 67)	3/25/2018 8:24:36 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/26/2018 1:36:01 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/26/2018 4:36:19 PM
CW Trash Rack Inspection (sta # 67)	3/26/2018 4:36:21 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/26/2018 4:40:42 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/26/2018 8:32:34 PM
CW Trash Rack Inspection (sta # 67)	3/26/2018 8:32:36 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/27/2018 2:12:35 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/27/2018 11:27:32 AM
CW Trash Rack Inspection (sta # 67)	3/27/2018 11:27:36 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/27/2018 5:00:02 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/27/2018 9:23:48 PM
CW Trash Rack Inspection (sta # 67)	3/27/2018 9:23:50 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/28/2018 1:57:49 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	3/28/2018 9:48:30 AM
CW Trash Rack Inspection (sta # 67)	3/28/2018 11:53:49 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	3/28/2018 3:18:09 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/3/2018 8:41:36 PM
CW Trash Rack Inspection (sta # 67)	4/3/2018 8:41:38 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/4/2018 3:07:55 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/4/2018 8:42:41 AM
CW Trash Rack Inspection (sta # 67)	4/4/2018 8:43:19 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/4/2018 1:13:16 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/4/2018 7:34:11 PM
CW Trash Rack Inspection (sta # 67)	4/4/2018 7:34:14 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/5/2018 1:13:41 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/5/2018 8:32:33 AM
CW Trash Rack Inspection (sta # 67)	4/5/2018 8:32:36 AM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
Trash Rack Inspection (2nd inspection) (sta # 244)	4/5/2018 1:57:31 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/5/2018 9:29:34 PM
CW Trash Rack Inspection (sta # 67)	4/5/2018 9:29:36 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/6/2018 1:46:56 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/6/2018 12:39:27 PM
CW Trash Rack Inspection (sta # 67)	4/6/2018 12:39:29 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/6/2018 3:27:02 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/6/2018 8:13:01 PM
CW Trash Rack Inspection (sta # 67)	4/6/2018 8:13:02 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/7/2018 1:21:46 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/7/2018 12:51:09 PM
CW Trash Rack Inspection (sta # 67)	4/7/2018 12:51:10 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/7/2018 2:12:03 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/7/2018 7:31:38 PM
CW Trash Rack Inspection (sta # 67)	4/7/2018 7:31:40 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/8/2018 1:02:18 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/8/2018 2:35:12 PM
CW Trash Rack Inspection (sta # 67)	4/8/2018 2:35:13 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/8/2018 2:42:26 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/8/2018 8:57:26 PM
CW Trash Rack Inspection (sta # 67)	4/8/2018 8:57:40 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/9/2018 1:16:23 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/9/2018 9:10:51 AM
CW Trash Rack Inspection (sta # 67)	4/9/2018 9:11:35 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/9/2018 2:11:29 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/9/2018 9:27:21 PM
CW Trash Rack Inspection (sta # 67)	4/9/2018 9:27:22 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/10/2018 2:15:17 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/10/2018 8:41:43 AM
CW Trash Rack Inspection (sta # 67)	4/10/2018 8:42:02 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/10/2018 1:29:21 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/10/2018 8:29:10 PM
CW Trash Rack Inspection (sta # 67)	4/10/2018 8:29:13 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/11/2018 2:42:39 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	4/11/2018 9:58:06 AM
CW Trash Rack Inspection (sta # 67)	4/11/2018 9:58:39 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	4/11/2018 1:52:31 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/13/2018 10:42:21 PM
CW Trash Rack Inspection (sta # 67)	5/13/2018 10:42:26 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/14/2018 3:32:01 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/14/2018 7:54:49 AM
CW Trash Rack Inspection (sta # 67)	5/14/2018 7:54:50 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/14/2018 10:43:13 PM
CW Trash Rack Inspection (sta # 67)	5/14/2018 10:43:15 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/15/2018 3:26:04 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/15/2018 9:33:40 AM
CW Trash Rack Inspection (sta # 67)	5/15/2018 9:33:42 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/15/2018 1:54:22 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/15/2018 8:12:13 PM
CW Trash Rack Inspection (sta # 67)	5/15/2018 8:12:15 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/16/2018 2:22:45 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/16/2018 10:13:23 AM
CW Trash Rack Inspection (sta # 67)	5/16/2018 10:13:25 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/16/2018 11:57:25 AM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	5/16/2018 10:18:29 PM
CW Trash Rack Inspection (sta # 67)	5/16/2018 10:18:31 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/17/2018 3:07:08 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/17/2018 7:39:47 AM
CW Trash Rack Inspection (sta # 67)	5/17/2018 7:39:49 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/17/2018 12:33:23 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/17/2018 9:19:24 PM
CW Trash Rack Inspection (sta # 67)	5/17/2018 9:19:36 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/18/2018 2:37:54 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/18/2018 10:53:51 AM
CW Trash Rack Inspection (sta # 67)	5/18/2018 10:53:54 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/18/2018 2:13:26 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/18/2018 9:37:41 PM
CW Trash Rack Inspection (sta # 67)	5/18/2018 9:38:03 PM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/19/2018 3:48:24 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/19/2018 9:57:43 AM
CW Trash Rack Inspection (sta # 67)	5/19/2018 9:57:46 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/19/2018 2:38:21 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/19/2018 10:58:54 PM
CW Trash Rack Inspection (sta # 67)	5/19/2018 10:58:56 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/20/2018 4:00:16 AM
CW Trash Rack Inspection (sta # 67)	5/20/2018 4:00:16 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/20/2018 4:00:50 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/20/2018 10:37:25 AM
CW Trash Rack Inspection (sta # 67)	5/20/2018 10:41:55 AM
Trash Rack Inspection (2nd inspection) (sta # 244)	5/20/2018 1:46:07 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/20/2018 10:32:57 PM
CW Trash Rack Inspection (sta # 67)	5/20/2018 10:34:01 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	5/21/2018 9:52:24 AM
CW Trash Rack Inspection (sta # 67)	5/21/2018 9:52:53 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/19/2018 8:41:49 PM
CW Trash Rack Inspection (sta # 67)	8/19/2018 8:42:08 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/20/2018 8:56:31 AM
CW Trash Rack Inspection (sta # 67)	8/20/2018 8:56:46 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/20/2018 10:00:34 PM
CW Trash Rack Inspection (sta # 67)	8/20/2018 10:00:36 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/21/2018 9:26:22 AM
CW Trash Rack Inspection (sta # 67)	8/21/2018 9:26:24 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/21/2018 10:10:35 PM
CW Trash Rack Inspection (sta # 67)	8/21/2018 10:10:40 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/22/2018 8:56:57 AM
CW Trash Rack Inspection (sta # 67)	8/22/2018 8:57:05 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/22/2018 7:55:12 PM
CW Trash Rack Inspection (sta # 67)	8/22/2018 7:55:13 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/23/2018 9:05:37 AM
CW Trash Rack Inspection (sta # 67)	8/23/2018 9:05:39 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/23/2018 8:01:02 PM
CW Trash Rack Inspection (sta # 67)	8/23/2018 8:01:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/24/2018 9:34:39 AM
CW Trash Rack Inspection (sta # 67)	8/24/2018 9:34:44 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/24/2018 8:15:12 PM
CW Trash Rack Inspection (sta # 67)	8/24/2018 8:15:16 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/25/2018 8:18:52 AM
CW Trash Rack Inspection (sta # 67)	8/25/2018 8:18:54 AM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	8/25/2018 7:50:28 PM
CW Trash Rack Inspection (sta # 67)	8/25/2018 7:50:30 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/26/2018 8:47:57 AM
CW Trash Rack Inspection (sta # 67)	8/26/2018 8:47:59 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/26/2018 9:53:42 PM
CW Trash Rack Inspection (sta # 67)	8/26/2018 9:53:44 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	8/27/2018 9:35:43 AM
CW Trash Rack Inspection (sta # 67)	8/27/2018 9:35:46 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/27/2018 9:09:13 PM
CW Trash Rack Inspection (sta # 67)	10/27/2018 9:09:40 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/28/2018 8:37:22 AM
CW Trash Rack Inspection (sta # 67)	10/28/2018 8:37:24 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/28/2018 8:20:50 PM
CW Trash Rack Inspection (sta # 67)	10/28/2018 8:20:52 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/29/2018 9:24:32 AM
CW Trash Rack Inspection (sta # 67)	10/29/2018 9:24:33 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/29/2018 8:29:33 PM
CW Trash Rack Inspection (sta # 67)	10/29/2018 8:29:35 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/30/2018 9:13:39 AM
CW Trash Rack Inspection (sta # 67)	10/30/2018 9:13:40 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/30/2018 8:54:09 PM
CW Trash Rack Inspection (sta # 67)	10/30/2018 8:54:29 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/31/2018 8:53:42 AM
CW Trash Rack Inspection (sta # 67)	10/31/2018 8:54:02 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	10/31/2018 8:52:25 PM
CW Trash Rack Inspection (sta # 67)	10/31/2018 8:52:27 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/1/2018 8:46:37 AM
CW Trash Rack Inspection (sta # 67)	11/1/2018 8:46:38 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/1/2018 9:52:57 PM
CW Trash Rack Inspection (sta # 67)	11/1/2018 9:53:00 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/2/2018 8:37:29 AM
CW Trash Rack Inspection (sta # 67)	11/2/2018 8:37:31 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/3/2018 2:09:41 AM
CW Trash Rack Inspection (sta # 67)	11/3/2018 2:09:43 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/3/2018 8:26:31 AM
CW Trash Rack Inspection (sta # 67)	11/3/2018 8:26:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/4/2018 1:37:55 AM
CW Trash Rack Inspection (sta # 67)	11/4/2018 1:37:59 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/4/2018 7:34:00 AM
CW Trash Rack Inspection (sta # 67)	11/4/2018 7:34:04 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/6/2018 2:00:12 AM
CW Trash Rack Inspection (sta # 67)	11/6/2018 2:00:13 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/6/2018 9:59:54 AM
CW Trash Rack Inspection (sta # 67)	11/6/2018 9:59:56 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/6/2018 9:20:25 PM
CW Trash Rack Inspection (sta # 67)	11/6/2018 9:20:27 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/7/2018 7:16:31 AM
CW Trash Rack Inspection (sta # 67)	11/7/2018 7:16:34 AM
CW Trash Rack Inspection (sta # 67)	11/7/2018 11:34:35 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/7/2018 11:35:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/8/2018 1:07:12 PM
CW Trash Rack Inspection (sta # 67)	11/8/2018 1:07:18 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/8/2018 9:11:55 PM
CW Trash Rack Inspection (sta # 67)	11/8/2018 9:11:57 PM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	11/9/2018 8:12:23 AM
CW Trash Rack Inspection (sta # 67)	11/9/2018 8:12:25 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/9/2018 11:40:31 PM
CW Trash Rack Inspection (sta # 67)	11/9/2018 11:40:33 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/10/2018 11:11:56 AM
CW Trash Rack Inspection (sta # 67)	11/10/2018 11:12:06 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/10/2018 10:13:43 PM
CW Trash Rack Inspection (sta # 67)	11/10/2018 10:13:45 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/11/2018 11:42:48 AM
CW Trash Rack Inspection (sta # 67)	11/11/2018 11:42:50 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/11/2018 10:01:22 PM
CW Trash Rack Inspection (sta # 67)	11/11/2018 10:01:24 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/12/2018 8:46:24 AM
CW Trash Rack Inspection (sta # 67)	11/12/2018 8:46:25 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/12/2018 9:30:56 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/12/2018 9:30:56 PM
CW Trash Rack Inspection (sta # 67)	11/12/2018 9:31:04 PM
CW Trash Rack Inspection (sta # 67)	11/12/2018 9:31:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/13/2018 1:58:54 PM
CW Trash Rack Inspection (sta # 67)	11/13/2018 1:59:02 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/13/2018 9:44:46 PM
CW Trash Rack Inspection (sta # 67)	11/13/2018 9:44:56 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/14/2018 8:33:48 AM
CW Trash Rack Inspection (sta # 67)	11/14/2018 8:33:51 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/14/2018 8:45:36 PM
CW Trash Rack Inspection (sta # 67)	11/14/2018 8:46:47 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/15/2018 9:14:48 AM
CW Trash Rack Inspection (sta # 67)	11/15/2018 9:14:49 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/15/2018 8:52:36 PM
CW Trash Rack Inspection (sta # 67)	11/15/2018 8:52:38 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/16/2018 12:06:36 PM
CW Trash Rack Inspection (sta # 67)	11/16/2018 12:06:55 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/16/2018 10:14:44 PM
CW Trash Rack Inspection (sta # 67)	11/16/2018 10:14:48 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/17/2018 10:37:57 AM
CW Trash Rack Inspection (sta # 67)	11/17/2018 10:38:12 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/17/2018 9:53:43 PM
CW Trash Rack Inspection (sta # 67)	11/17/2018 9:53:46 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/18/2018 11:46:05 AM
CW Trash Rack Inspection (sta # 67)	11/18/2018 11:47:13 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/18/2018 8:28:30 PM
CW Trash Rack Inspection (sta # 67)	11/18/2018 8:28:33 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/19/2018 9:22:55 AM
CW Trash Rack Inspection (sta # 67)	11/19/2018 9:23:01 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/19/2018 9:50:28 PM
CW Trash Rack Inspection (sta # 67)	11/19/2018 9:50:30 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/20/2018 8:23:53 AM
CW Trash Rack Inspection (sta # 67)	11/20/2018 8:23:55 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/21/2018 10:26:55 PM
CW Trash Rack Inspection (sta # 67)	11/21/2018 10:32:37 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/22/2018 9:11:00 AM
CW Trash Rack Inspection (sta # 67)	11/22/2018 9:11:01 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/22/2018 10:57:06 PM
CW Trash Rack Inspection (sta # 67)	11/22/2018 10:57:08 PM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	11/23/2018 10:13:49 AM
CW Trash Rack Inspection (sta # 67)	11/23/2018 10:13:53 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/23/2018 10:38:10 PM
CW Trash Rack Inspection (sta # 67)	11/23/2018 10:38:12 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/24/2018 9:58:05 AM
CW Trash Rack Inspection (sta # 67)	11/24/2018 9:58:07 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/24/2018 7:13:09 PM
CW Trash Rack Inspection (sta # 67)	11/24/2018 7:13:11 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/25/2018 12:50:15 PM
CW Trash Rack Inspection (sta # 67)	11/25/2018 12:50:17 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/25/2018 9:30:53 PM
CW Trash Rack Inspection (sta # 67)	11/25/2018 9:30:55 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/26/2018 9:14:15 AM
CW Trash Rack Inspection (sta # 67)	11/26/2018 9:14:19 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/26/2018 8:57:23 PM
CW Trash Rack Inspection (sta # 67)	11/26/2018 8:57:24 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/27/2018 10:27:27 AM
CW Trash Rack Inspection (sta # 67)	11/27/2018 10:27:30 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/27/2018 9:27:56 PM
CW Trash Rack Inspection (sta # 67)	11/27/2018 9:27:58 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/28/2018 7:57:19 AM
CW Trash Rack Inspection (sta # 67)	11/28/2018 7:57:21 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/29/2018 1:34:19 AM
CW Trash Rack Inspection (sta # 67)	11/29/2018 1:34:23 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/29/2018 7:13:00 AM
CW Trash Rack Inspection (sta # 67)	11/29/2018 7:13:02 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/29/2018 9:00:04 PM
CW Trash Rack Inspection (sta # 67)	11/29/2018 9:00:07 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/30/2018 9:09:19 AM
CW Trash Rack Inspection (sta # 67)	11/30/2018 9:09:23 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/30/2018 8:45:20 PM
CW Trash Rack Inspection (sta # 67)	11/30/2018 8:45:21 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/1/2018 8:23:44 AM
CW Trash Rack Inspection (sta # 67)	12/1/2018 8:23:46 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/16/2018 6:57:22 PM
CW Trash Rack Inspection (sta # 67)	12/16/2018 6:57:26 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/17/2018 9:05:01 AM
CW Trash Rack Inspection (sta # 67)	12/17/2018 9:05:06 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/17/2018 9:20:58 PM
CW Trash Rack Inspection (sta # 67)	12/17/2018 9:21:26 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/18/2018 9:22:11 AM
CW Trash Rack Inspection (sta # 67)	12/18/2018 9:22:18 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/18/2018 8:49:54 PM
CW Trash Rack Inspection (sta # 67)	12/18/2018 8:49:57 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/19/2018 8:09:07 AM
CW Trash Rack Inspection (sta # 67)	12/19/2018 8:09:09 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/19/2018 10:48:29 PM
CW Trash Rack Inspection (sta # 67)	12/19/2018 10:48:32 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/20/2018 9:59:16 AM
CW Trash Rack Inspection (sta # 67)	12/20/2018 9:59:19 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/20/2018 11:51:29 PM
CW Trash Rack Inspection (sta # 67)	12/20/2018 11:51:31 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/21/2018 8:45:37 AM
CW Trash Rack Inspection (sta # 67)	12/21/2018 8:45:39 AM

**Table 5 Salem Generating Station
Intake Trash Bar Inspection Records (continued)**

Description	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	12/21/2018 9:31:36 PM
CW Trash Rack Inspection (sta # 67)	12/21/2018 9:31:39 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/22/2018 9:41:55 AM
CW Trash Rack Inspection (sta # 67)	12/22/2018 9:41:57 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/22/2018 8:51:59 PM
CW Trash Rack Inspection (sta # 67)	12/22/2018 8:52:02 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/23/2018 3:19:21 PM
CW Trash Rack Inspection (sta # 67)	12/23/2018 3:19:25 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/23/2018 9:12:20 PM
CW Trash Rack Inspection (sta # 67)	12/23/2018 9:12:24 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/24/2018 11:12:57 AM
CW Trash Rack Inspection (sta # 67)	12/24/2018 11:12:59 AM

CC United States Nuclear Regulatory Commission
endangeredspecies@nrc.gov

Jeanette Bowers
New Jersey Department of Environmental Protection
Department of Fish and Wildlife
jeanette.bowers@dep.nj.gov

John Heilferty
New Jersey Department of Environmental Protection
Endangered and Nongame Species Program
john.heilferty@dep.nj.gov

Patrick Mulligan
New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
patrick.mulligan@dep.nj.gov

Susan Rosenwinkel, Section Chief
New Jersey Department of Environmental Protection
Bureau of Surface Water Permitting
susan.rosenwinkel@dep.nj.gov

(Distribute via email)



SEND VIA EMAIL

March 15, 2019
LR-E19-0036

National Marine Fisheries Service
Greater Atlantic Regional Fisheries Office
ATTN: Section 7 Coordinator
55 Great Republic Drive
Gloucester, MA 01930
Incidental.Take@NOAA.gov

**SALEM AND HOPE CREEK GENERATING STATIONS
BIOLOGICAL OPINION NER-2010-6581
2018 ANNUAL INCIDENTAL TAKE REPORT-RIVER MONITORING**

The U.S. Nuclear Regulatory Commission (USNRC) and the National Marine Fisheries Service (NMFS) concluded formal consultation under Section 7 of the Endangered Species Act of 1973, as amended, (ESA) on July 17, 2014, with NMFS's issuance of a final biological opinion and incidental take statement (ITS) for Salem Nuclear Generating Station, Units 1 and 2 (Salem), and Hope Creek Generating Station, Unit 1 (Hope Creek). USNRC Amendment Nos. 308 and 290 to Renewed Facility Operating Licenses DPR-70 and DPR-75 for the Salem Nuclear Generating Station, Unit Nos. 1 and 2, and USNRC Amendment No. 198 to Renewed Facility Operating License NPF-57 for the Hope Creek Generating Station incorporating provisions of the incidental take statement became effective at the Salem and Hope Creek Generating Stations (Station) on the date of issuance, June 17, 2015. Pursuant to Terms and Conditions (T&C) No. 34 of the ITS, this report is being provided to detail interactions with Endangered Species Act (ESA) listed species that occurred while performing routine bottom trawl and beach seine sampling in the Delaware River during 2018 in accordance with the Salem Generating Station New Jersey Pollutant Discharge Elimination System (NJPDES) Permit.

PSEG's biological monitoring contractor, Environmental Consulting Services, Inc., collected two (2) Atlantic sturgeon, and two (2) Shortnose sturgeon while performing routine bay wide bottom trawl sampling as required by Salem Station's NJPDES Permit (**Table 1**). All collected specimens were alive and quickly released back into the Delaware River. PSEG submitted incident reports and sturgeon data reporting forms for each collection as specified in the ITS. The previously submitted reports contain additional detail and photographs for all collected specimens.

03/15/2019

PSEG requests direction from the NMFS on disposition on the sturgeon fin clips that have been collected pursuant to the ITS T&C #7 and #28. NMFS directed shipment of fin clips to the U.S. Geological Survey Leetown Science Center in May 2018, but PSEG has not received any results from the genetic testing. PSEG can ship the additional 2018 fin clips to the USGS lab if so directed by NMFS. If no laboratory is available, please provide written confirmation regarding disposal of these stored samples.

If you have any questions or require additional information, please do not hesitate to contact Ken Strait at (856) 339-3929.

Sincerely,

A handwritten signature in black ink, appearing to read 'C.V. McFeaters', with a long horizontal line extending from the end of the signature.

Charles V. McFeaters
Vice President - Salem

**Table 1 Salem Generating Station
Summary of Sturgeon & Sea Turtle Collections During 2018
Bottom Trawl and Beach Seine Monitoring Programs**

Collection Date	Collection Time	Species	Condition	Pit Tag	Disposition	Trawl/Seine
4/21/2018	16:15	Shortnose sturgeon	Alive	#965000000360513	Released	Bottom Trawl
5/8/2018	11:53	Shortnose sturgeon	Alive	#965000000361148	Released	Bottom Trawl
6/12/2018	11:40	Atlantic sturgeon	Alive	#965000000360608	Released	Bottom Trawl
7/13/2018	12:40	Atlantic sturgeon	Alive	#965000000360460	Released	Bottom Trawl

CC Jeanette Bowers
New Jersey Department of Environmental Protection
Department of Fish and Wildlife
jeanette.bowers@dep.nj.gov

John Heilferty
New Jersey Department of Environmental Protection
Endangered and Nongame Species Program
john.heilferty@dep.nj.gov

Susan Rosenwinkel, Section Chief
New Jersey Department of Environmental Protection
Bureau of Surface Water Permitting
susan.rosenwinkel@dep.nj.gov



(Distribute via email)