

PSEG Nuclear LLC
P.O. Box 236, Hancocks Bridge, NJ 08038



SEND VIA EMAIL

March 3, 2020
LR-E20-0033

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
2019 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 2019 reporting year.

In accordance with T&C #9 of the ITS, Table 1 summarizes the sturgeon 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. There were no sea turtles collected at the intake structure during 2019. The two Atlantic sturgeon collected during impingement sampling of the traveling screen wash water are likely isolated incidents 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 2019 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 listed in Table 1 were 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.

PSEG confirms that we have renewed our arrangement with the Marine Mammal Stranding Center (MMSC) in Brigantine, New Jersey for 2020. PSEG will continue to rely upon the MMSC to provide any necessary assistance with the transport, evaluation, veterinary care, tagging and release of any 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,

A handwritten signature in black ink, appearing to read 'C. V. McFeaters', with a long horizontal flourish extending to the right.

Charles V. McFeaters
Vice President - Salem

**Table 1 Salem Generating Station
Summary of Sturgeon Collections During 2019 - Station and REMP**

Collection Date	Time	Species	Mortality	Condition	Pit Tag ¹	Unit/Bay	Disposition	Collection Location
1/1/2019	23:00	Atlantic	Deceased	Fresh Dead	N/A	Unit 1 - 11B	Frozen	Trash Bars
1/7/2019	9:05	Atlantic	Deceased	Fresh Dead	N/A	Unit 2 - 23A	Frozen	Trash Bars
1/18/2019	9:59	Atlantic	Deceased	Fresh Dead	N/A	Unit 1 - 12B	Frozen	Trash Bars
1/19/2019	10:35	Shortnose	Alive	Minor Injuries	#965000000360714	Unit 1 - 13A	Released	Trash Bars
2/7/2019	9:35	Atlantic	Deceased	Moderately Decomposed	N/A	Unit 1 - 13A	Frozen	Trash Bars
2/15/2019	12:00	Atlantic	Deceased	Dried carcass	N/A	Unit 1	Frozen	Trash Bars
2/19/2019	14:25	Atlantic	Deceased	Fresh Dead	N/A	Unit 2 - 22B	Frozen	Trash Bars
2/28/2019	9:25	Shortnose	Alive	Slightly Damaged	#933000220017821	Unit 1 - 11B	Released	Trash Bars
3/8/2019	9:30	Atlantic	Alive	Minor Injuries	#933000220017833	Unit 1 - 11B	Released	Trash Bars
3/8/2019	9:35	Atlantic	Alive	Minor Injuries	#933000220017816	Unit 1 - 12A	Released	Trash Bars
3/18/2019	9:05	Atlantic	Alive	Minor Injuries	#933000220017831	Unit 1 - 11B	Released	Trash Bars
4/1/2019	9:25	Atlantic	Alive	Severely Damaged	#933000220017822	Unit 1 - 12B	Released	Trash Bars
4/2/2019	8:35	Atlantic	Alive	Minor abrasions	#933000220017811	Unit 1 - 13A	Released	Trash Bars
4/15/2019	9:45	Atlantic	Deceased	Fresh Dead	N/A	Unit 2 - 21A	Frozen	Trash Bars
4/23/2019	12:20	Atlantic	Deceased	Fresh Dead	N/A	Unit 2 - 22A	Frozen	Trash Bars
4/24/2019	18:35	Atlantic	Alive	Healthy	#933000220017818	Unit 2	Released	Traveling Screens
11/30/2019	2:35	Atlantic	Deceased	Severely Decomposed	N/A	Unit 1 - 12B	Frozen	Traveling Screens
12/11/2019	9:15	Atlantic	Deceased	Moderately Decomposed	N/A	Unit 1	Disposed	Trash Bars
12/13/2019	10:00	Atlantic	Deceased	Moderately Decomposed	N/A	Unit 1 - 13A	Frozen	Trash Bars
12/13/2019	10:00	Atlantic	Deceased	Fresh Dead	N/A	Unit 1 - 13A	Frozen	Trash Bars
12/13/2019	13:06	Atlantic	Deceased	Fresh Dead	N/A	Unit 2 - 21A	Frozen	Trash Bars
12/13/2019	13:06	Atlantic	Deceased	Moderately Decomposed	N/A	Unit 2 - 21B	Frozen	Trash Bars
12/17/2019	13:21	Atlantic	Deceased	Fresh Dead	N/A	Unit 1 - 11B	Frozen	Trash Bars
12/27/2019	10:45	Atlantic	Alive	Healthy	#933000220017812	Unit 2 - 22A	Released	Trash Bars
12/27/2019	11:00	Atlantic	Deceased	Fresh Dead	N/A	Unit 2 - 22A	Frozen	Trash Bars
12/30/2019	10:18	Atlantic	Deceased	Fresh Dead	N/A	Unit 1 - 11B	Frozen	Trash Bars

¹ There were no recaptures of previously tagged fish during 2019

**Table 2 Salem Generating Station
Sturgeon Collections During 2019**

Shortnose Sturgeon Collection (Trash Bars)	
Category	2019
Unit 1 - Dead	0
Unit 1 -Dead (Due to Impingement)	0
Unit 1 (Live)	2
Unit 1 - Total	2
Unit 2 - Dead	0
Unit 2 -Dead (Due to Impingement)	0
Unit 2 (live)	0
Unit 2 - Total	0
Total Collection - Dead	0
Total Collection Dead Due to Impingement	0
Total Collection (Live)	2
Total Collection	2
Atlantic Sturgeon Collection (Trash Bars)	
Category	2019
Unit 1 - Dead	9
Unit 1 -Dead (Due to Impingement)	7
Unit 1 (Live)	5
Unit 1 - Total	14
Unit 2 - Dead	7
Unit 2 -Dead (Due to Impingement)	6
Unit 2 (Live)	1
Unit 2 - Total	8
Total Collection - Dead	16
Total Collection Dead Due to Impingement	13
Total Collection (Live)	6
Total Collection	22
Atlantic Sturgeon Collection (Traveling Screens)	
Category	2019
Unit 1 - Injury or Mortality	1
Unit 1 (Live)	0
Unit 1 - Total	1
Unit 2 - Injury or Mortality	0
Unit 2 - Live	1
Unit 2 - Total	1
Total -Injury or Mortality	1
Total Collection Live	1
Total Collection	2


**Table 3 Salem Generating Station
Sea Turtle Collections During 2019**

Loggerhead Sea Turtle Collection (Trash Bars)	
Category	2019
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	2019
Dead	0
Alive	0
Station Total	0
Kemp's Ridley Sea Turtle Collection (Trash Bars)	
Category	2019
Unit 1 Kemp's Ridley (Dead)	0
Unit 1 Kemp's Ridley (Live)	0
Unit 1 - Total	0
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 2019**

REMP Sampling Collection (non-lethal)	
Category	2019
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	
Inspection Station	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	12/24/2018 08:09:24 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/25/2018 11:03:18 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/25/2018 09:20:21 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/26/2018 11:20:29 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/26/2018 08:31:00 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/27/2018 10:46:09 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/27/2018 07:44:34 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/28/2018 07:48:41 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/28/2018 08:38:12 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/29/2018 08:43:26 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/29/2018 09:58:07 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/30/2018 07:01:08 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/30/2018 09:51:14 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/31/2018 10:19:34 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/01/2019 12:33:17 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/01/2019 11:00:46 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/01/2019 09:56:19 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/02/2019 10:46:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/02/2019 07:22:28 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/03/2019 10:27:15 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/03/2019 08:50:18 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/04/2019 08:12:58 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/04/2019 08:44:44 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/05/2019 09:19:25 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/05/2019 10:34:11 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/06/2019 08:14:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/06/2019 10:15:45 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/07/2019 09:29:31 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/07/2019 10:25:13 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/11/2019 09:16:23 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/11/2019 07:49:19 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/12/2019 10:03:01 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/12/2019 07:26:47 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/13/2019 07:29:00 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/13/2019 10:13:21 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/14/2019 10:00:10 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/14/2019 09:57:32 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/15/2019 10:03:27 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/15/2019 10:40:45 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/16/2019 11:50:39 AM

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

Inspection Station	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	01/16/2019 08:36:48 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/17/2019 10:06:52 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/17/2019 08:07:28 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/18/2019 10:46:30 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/18/2019 07:51:11 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/19/2019 08:25:27 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/31/2019 08:59:26 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	01/31/2019 11:49:50 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/01/2019 09:44:44 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/01/2019 10:33:31 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/02/2019 09:39:40 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/02/2019 08:13:10 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/03/2019 09:15:49 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/03/2019 08:17:28 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/04/2019 10:05:13 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/04/2019 07:27:24 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/05/2019 10:22:44 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/05/2019 08:50:15 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/06/2019 10:14:43 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/06/2019 09:32:41 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/07/2019 10:24:54 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/07/2019 09:09:42 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/08/2019 07:32:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/08/2019 09:02:05 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/09/2019 10:54:37 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/09/2019 09:24:51 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/10/2019 11:05:10 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/10/2019 10:04:46 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/11/2019 10:07:23 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/11/2019 08:42:26 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/12/2019 09:48:25 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/12/2019 07:13:57 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/13/2019 09:57:21 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/13/2019 09:05:19 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/14/2019 10:31:44 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/14/2019 08:50:44 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/15/2019 10:24:49 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/15/2019 09:26:28 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/16/2019 10:38:55 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/16/2019 09:38:47 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/17/2019 11:13:38 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/17/2019 09:37:59 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/18/2019 09:42:15 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/18/2019 08:42:00 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/19/2019 09:37:58 AM

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

Inspection Station	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	02/19/2019 11:00:30 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/20/2019 09:46:16 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/20/2019 09:30:32 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/21/2019 08:22:30 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/21/2019 09:06:21 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/22/2019 07:50:42 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/22/2019 09:00:29 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/23/2019 08:35:20 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/23/2019 08:02:32 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/24/2019 08:54:35 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/24/2019 11:17:42 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/25/2019 08:24:02 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/25/2019 08:01:00 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/26/2019 09:41:51 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/26/2019 07:01:17 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/27/2019 08:30:07 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/27/2019 09:53:34 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/28/2019 08:01:07 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	02/28/2019 07:36:35 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/01/2019 08:38:26 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/01/2019 09:17:36 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/02/2019 08:46:17 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/02/2019 08:55:56 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/03/2019 11:33:25 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/03/2019 08:47:00 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/04/2019 08:45:08 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/04/2019 09:07:35 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/05/2019 09:49:29 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/05/2019 09:02:45 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/06/2019 08:28:22 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/06/2019 08:37:10 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/07/2019 08:04:06 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/07/2019 10:04:48 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/08/2019 06:59:14 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/08/2019 11:32:52 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/09/2019 09:22:04 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/09/2019 08:46:11 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/10/2019 08:18:03 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/10/2019 09:17:25 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/11/2019 08:30:30 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/11/2019 08:51:56 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/12/2019 09:30:56 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/12/2019 08:10:59 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/13/2019 07:39:41 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/13/2019 09:22:31 PM

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

Inspection Station	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	03/14/2019 08:40:00 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/14/2019 08:58:37 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/15/2019 09:00:47 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/15/2019 08:41:57 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/16/2019 09:34:51 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/16/2019 08:38:59 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/17/2019 10:16:26 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/17/2019 08:42:26 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/18/2019 09:50:17 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/18/2019 09:33:41 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/19/2019 09:08:29 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/19/2019 10:26:20 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/20/2019 09:22:20 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/20/2019 08:37:50 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/21/2019 08:40:15 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/21/2019 08:53:13 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/22/2019 10:54:30 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/22/2019 06:13:17 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/23/2019 09:13:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/23/2019 08:24:59 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/24/2019 09:31:36 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/24/2019 10:58:35 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/25/2019 09:51:08 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/25/2019 10:24:39 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/26/2019 09:08:13 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/26/2019 07:55:53 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/27/2019 09:13:10 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/27/2019 08:40:56 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/28/2019 09:06:57 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/28/2019 09:16:25 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/29/2019 10:46:04 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/29/2019 09:17:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/30/2019 11:10:12 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/30/2019 09:07:42 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/31/2019 10:29:38 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	03/31/2019 08:49:29 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/01/2019 11:00:59 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/02/2019 01:25:41 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/02/2019 11:49:21 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/02/2019 09:43:09 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/03/2019 09:54:40 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/03/2019 08:21:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/04/2019 08:58:44 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/05/2019 08:09:56 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/05/2019 08:23:50 PM

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

Inspection Station	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	04/06/2019 07:52:39 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/06/2019 09:01:26 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/07/2019 08:24:42 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/07/2019 09:25:46 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/08/2019 09:00:41 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/08/2019 08:49:36 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/09/2019 08:51:34 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/09/2019 08:56:52 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/10/2019 08:50:09 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/10/2019 10:11:29 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/11/2019 08:41:35 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/11/2019 08:56:20 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/12/2019 08:58:12 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/12/2019 09:36:39 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/13/2019 06:36:48 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/13/2019 09:06:32 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/14/2019 08:33:26 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/14/2019 09:11:30 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/15/2019 06:33:13 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/15/2019 08:50:01 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/16/2019 08:25:35 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/16/2019 08:54:46 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/17/2019 06:50:04 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/17/2019 11:11:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/18/2019 08:24:16 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/18/2019 08:52:37 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/19/2019 07:49:31 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/19/2019 09:14:29 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/20/2019 07:19:05 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/20/2019 09:16:08 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/21/2019 09:01:49 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/21/2019 09:02:51 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/22/2019 08:29:14 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/22/2019 10:35:52 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/23/2019 08:25:53 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/23/2019 09:11:35 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	04/24/2019 08:04:14 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/22/2019 09:33:45 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/23/2019 07:59:59 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/23/2019 11:21:16 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/24/2019 07:36:08 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/24/2019 08:58:26 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/25/2019 09:31:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/25/2019 09:55:12 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/26/2019 07:42:51 AM

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

Inspection Station	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	11/26/2019 07:37:38 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/27/2019 08:24:10 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/27/2019 07:39:10 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/28/2019 08:03:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/28/2019 08:08:02 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/29/2019 11:09:42 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/29/2019 07:47:50 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	11/30/2019 11:01:47 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/04/2019 10:38:27 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/04/2019 09:33:01 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/05/2019 09:13:25 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/05/2019 09:10:04 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/06/2019 09:37:23 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/06/2019 06:46:22 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/07/2019 08:45:56 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/07/2019 09:07:38 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/08/2019 02:49:05 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/08/2019 09:03:18 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/09/2019 10:18:41 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/09/2019 09:19:01 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/10/2019 09:22:40 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/10/2019 09:18:50 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/11/2019 09:06:34 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/11/2019 08:11:35 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/12/2019 11:28:37 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/12/2019 08:13:52 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/13/2019 07:42:46 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/13/2019 09:21:44 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/14/2019 09:35:13 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/14/2019 09:01:41 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/15/2019 08:06:15 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/15/2019 09:29:48 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/16/2019 09:23:44 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/17/2019 01:09:11 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/17/2019 08:20:41 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/20/2019 09:10:11 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/20/2019 09:25:56 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/21/2019 09:58:32 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/21/2019 09:29:54 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/22/2019 09:04:51 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/22/2019 08:55:42 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/23/2019 11:36:07 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/23/2019 09:03:40 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/24/2019 07:59:56 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/24/2019 07:28:29 PM

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

Inspection Station	Time of Inspection
Trash Rack Inspection [TS-App. B] (sta # 225)	12/25/2019 08:45:42 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/25/2019 07:28:57 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/26/2019 08:34:36 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/26/2019 07:52:41 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/27/2019 07:06:45 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/27/2019 06:45:18 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/28/2019 07:49:12 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/28/2019 07:42:36 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/29/2019 10:46:08 AM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/29/2019 07:43:29 PM
Trash Rack Inspection [TS-App. B] (sta # 225)	12/30/2019 11:03:39 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

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

David Golden, Director
New Jersey Department of Environmental Protection
Department of Fish and Wildlife
501 East State Street
P.O. Box 400
Trenton, NJ 08625-0400

(Distribute via email)