New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

BNE Background Locations
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

BNE Office (COAI01)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.008
01/17/17	-	01/31/17	< 0.010
01/31/17	-	02/14/17	< 0.010
02/14/17	-	02/28/17	< 0.007
02/28/17	-	03/15/17	< 0.011
03/15/17	-	03/28/17	< 0.005
03/28/17	-	04/10/17	< 0.007
04/10/17	-	04/25/17	< 0.009
04/25/17	-	05/09/17	< 0.012
05/09/17	-	05/22/17	< 0.015
05/22/17	-	06/07/17	< 0.010
06/07/17	-	06/20/17	< 0.010
06/20/17	-	07/07/17	< 0.006
07/06/17	-	07/17/17	< 0.006
07/17/17	-	08/01/17	< 0.011
08/01/17	-	08/15/17	< 0.007
08/15/17	-	08/29/17	< 0.005
08/29/17	-	09/12/17	< 0.015
09/12/17	-	09/26/17	< 0.012
09/26/17	-	10/10/17	< 0.015
10/10/17	-	10/24/17	< 0.013
10/24/17	-	11/07/17	< 0.010
11/07/17	-	11/21/17	< 0.013
11/21/17	-	12/04/17	< 0.004
12/04/17	-	12/19/17	< 0.006
12/19/17	-	01/02/18	< 0.011

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

BNE Background Locations
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Brendan T. Byrne State Forest (COAI02)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.006
01/17/17	-	01/31/17	< 0.007
01/31/17	-	02/14/17	< 0.005
02/14/17	-	02/28/17	< 0.008
02/28/17	-	03/16/17	< 0.007
03/16/17	-	03/28/17	< 0.007
03/28/17	-	04/10/17	< 0.006
04/10/17	-	04/25/17	< 0.008
04/25/17	-	05/09/17	< 0.008
05/09/17	-	05/22/17	< 0.008
05/22/17	-	06/06/17	< 0.007
06/06/17	-	06/19/17	< 0.011
06/19/17	-	07/06/17	< 0.005
07/06/17	-	07/18/17	< 0.007
07/18/17	-	08/01/17	< 0.009
08/01/17	-	08/15/17	< 0.011
08/15/17	-	08/29/17	< 0.004
08/29/17	-	09/12/17	< 0.005
09/12/17	-	09/26/17	< 0.010
09/26/17	-	10/10/17	< 0.005
10/10/17	-	10/24/17	< 0.008
10/24/17	-	11/07/17	< 0.008
11/07/17	-	11/21/17	< 0.006
11/21/17	-	12/04/17	< 0.010
12/04/17	-	12/19/17	< 0.006
12/19/17	-	01/02/18	< 0.007

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Waretown Municipal Building (OCAI01)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.006
01/17/17	-	01/31/17	< 0.009
01/31/17	-	02/14/17	< 0.009
02/14/17	-	02/28/17	< 0.009
02/28/17	-	03/16/17	< 0.008
03/16/17	-	03/28/17	< 0.010
03/28/17	-	04/10/17	< 0.006
04/10/17	-	04/25/17	< 0.007
04/25/17	-	05/09/17	< 0.013
05/09/17	-	05/22/17	< 0.011
05/22/17	-	06/06/17	< 0.015
06/06/17	-	06/19/17	< 0.018
06/19/17	-	07/06/17	< 0.005
07/06/17	-	07/18/17	< 0.009
07/18/17	-	08/01/17	< 0.010
08/01/17	-	08/15/17	< 0.008
08/15/17	-	08/29/17	< 0.005
08/29/17	-	09/12/17	< 0.013
09/12/17	-	09/26/17	< 0.005
09/26/17	-	10/10/17	< 0.009
10/10/17	-	10/24/17	< 0.009
10/24/17	-	11/07/17	< 0.007
11/07/17	-	11/21/17	< 0.016
11/21/17	-	12/04/17	< 0.009
12/04/17	-	12/19/17	< 0.005
12/19/17	-	01/02/18	< 0.008

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Sands Point Harbor (OCAI02)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.014
01/17/17	-	01/31/17	< 0.010
01/31/17	-	02/14/17	< 0.003
02/14/17	-	02/28/17	< 0.008
02/28/17	-	03/16/17	< 0.009
03/16/17	-	03/28/17	< 0.004
03/28/17	-	04/10/17	< 0.008
04/10/17	-	04/25/17	< 0.013
04/25/17	-	05/09/17	< 0.013
05/09/17	-	05/22/17	< 0.016
05/22/17	-	06/06/17	< 0.011
06/06/17	-	06/19/17	< 0.012
06/19/17	-	07/06/17	< 0.005
07/06/17	-	07/18/17	< 0.008
07/18/17	-	08/01/17	< 0.007
08/01/17	-	08/15/17	< 0.015
08/15/17	-	08/29/17	< 0.006
08/29/17	-	09/12/17	< 0.009
09/12/17	-	09/26/17	< 0.012
09/26/17	-	10/10/17	< 0.012
10/10/17	-	10/24/17	< 0.018
10/24/17	-	11/07/17	< 0.008
11/07/17	-	11/21/17	< 0.013
11/21/17	-	12/04/17	< 0.006
12/04/17	-	12/19/17	< 0.005
12/19/17	-	01/02/18	< 0.008

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Forked River Marina (OCAI03)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.009
01/17/17	-	01/31/17	< 0.005
01/31/17	-	02/14/17	< 0.009
02/14/17	-	02/28/17	< 0.009
02/28/17	-	03/16/17	< 0.004
03/16/17	-	03/28/17	< 0.005
03/28/17	-	04/10/17	< 0.004
04/10/17	-	04/25/17	< 0.007
04/25/17	-	05/09/17	< 0.010
05/09/17	-	05/22/17	< 0.013
05/22/17	-	06/06/17	< 0.008
06/06/17	-	06/19/17	< 0.011
06/19/17	-	07/06/17	< 0.006
07/06/17	-	07/18/17	< 0.005
07/18/17	-	08/01/17	< 0.004
08/01/17	-	08/15/17	< 0.009
08/15/17	-	08/29/17	< 0.005
08/29/17	-	09/12/17	< 0.011
09/12/17	-	09/26/17	< 0.006
09/26/17	-	10/10/17	< 0.009
10/10/17	-	10/24/17	< 0.010
10/24/17	-	11/07/17	< 0.014
11/07/17	-	11/21/17	< 0.004
11/21/17	-	12/04/17	< 0.004
12/04/17	-	12/19/17	< 0.005
12/19/17	-	01/02/18	< 0.005

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
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Oyster Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Lacey Township Recreation Building (OCAI04)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.011
01/17/17	-	01/31/17	< 0.005
01/31/17	-	02/14/17	< 0.004
02/14/17	-	02/28/17	< 0.008
02/28/17	-	03/16/17	< 0.010
03/16/17	-	03/28/17	< 0.005
03/28/17	-	04/10/17	< 0.007
04/10/17	-	04/25/17	< 0.012
04/25/17	-	05/09/17	< 0.010
05/09/17	-	05/22/17	< 0.013
05/22/17	-	06/06/17	< 0.011
06/06/17	-	06/19/17	< 0.013
06/19/17	-	07/06/17	< 0.005
07/06/17	-	07/18/17	< 0.009
07/18/17	-	08/01/17	< 0.010
08/01/17	-	08/15/17	< 0.012
08/15/17	-	08/29/17	< 0.006
08/29/17	-	09/12/17	< 0.011
09/12/17	-	09/26/17	< 0.010
09/26/17	-	10/10/17	< 0.012
10/10/17	-	10/24/17	< 0.007
10/24/17	-	11/07/17	< 0.010
11/07/17	-	11/21/17	< 0.010
11/21/17	-	12/04/17	< 0.007
12/04/17	-	12/19/17	< 0.007
12/19/17	-	01/02/18	< 0.009

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

JCP&L Substation (OCAI05)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.008
01/17/17	-	01/31/17	< 0.010
01/31/17	-	02/14/17	< 0.005
02/14/17	-	02/28/17	< 0.012
02/28/17	-	03/16/17	< 0.011
03/16/17	-	03/28/17	< 0.008
03/28/17	-	04/10/17	< 0.004
04/10/17	-	04/25/17	< 0.016
04/25/17	-	05/09/17	< 0.012
05/09/17	-	05/22/17	< 0.009
05/22/17	-	06/06/17	< 0.011
06/06/17	-	06/19/17	< 0.009
06/19/17	-	07/06/17	< 0.007
07/06/17	-	07/18/17	< 0.008
07/18/17	-	08/01/17	< 0.007
08/01/17	-	08/15/17	< 0.006
08/15/17	-	08/29/17	< 0.006
08/29/17	-	09/12/17	< 0.004
09/12/17	-	09/26/17	< 0.008
09/26/17	-	10/10/17	< 0.011
10/10/17	-	10/24/17	< 0.007
10/24/17	-	11/07/17	< 0.013
11/07/17	-	11/21/17	< 0.008
11/21/17	-	12/04/17	< 0.011
12/04/17	-	12/19/17	< 0.005
12/19/17	-	01/02/18	< 0.012

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
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Oyster Creek
Results of Analyses for Iodine-131 in Weekly* Air Samples

Finninger Farm, OC Dredge Site (OCAI06)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/12/17	< 0.041
01/12/17	-	01/18/17	< 0.036
01/18/17	-	01/26/17	< 0.025
01/26/17	-	02/01/17	< 0.030
02/01/17	-	02/08/17	< 0.027
02/08/17	-	02/15/17	< 0.028
02/15/17	-	02/22/17	< 0.040
02/22/17	-	03/02/17	< 0.013
03/02/17	-	03/08/17	< 0.040
03/08/17	-	03/16/17	< 0.033
03/16/17	-	03/22/17	< 0.034
03/22/17	-	03/29/17	< 0.019
03/29/17	-	04/05/17	< 0.029
04/05/17	-	04/12/17	< 0.018
04/12/17	-	04/19/17	< 0.027
04/19/17	-	04/27/17	< 0.012
04/27/17	-	05/03/17	< 0.022
05/03/17	-	05/10/17	< 0.032
05/10/17	-	05/17/17	< 0.032
05/17/17	-	05/24/17	< 0.018
05/24/17	-	06/01/17	< 0.025
06/01/17	-	06/07/17	< 0.045
06/07/17	-	06/15/17	< 0.029
06/15/17	-	06/21/17	< 0.025
06/21/17	-	06/28/17	< 0.052

Results in picoCuries per cubic meter (pCi/m^3)

* Air Iodine samples are collected by the licensee on a weekly basis

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses for Iodine-131 in Weekly* Air Samples

Finninger Farm, OC Dredge Site (OCAI06) - *continued*

Collection Period			I-131 (pCi/m^3)
06/28/17	-	07/06/17	< 0.043
07/06/17	-	07/12/17	< 0.024
07/12/17	-	07/20/17	< 0.038
07/20/17	-	07/26/17	< 0.020
07/26/17	-	08/02/17	< 0.007
08/02/17	-	08/09/17	< 0.023
08/09/17	-	08/16/17	< 0.030
08/16/17	-	08/24/17	< 0.036
08/24/17	-	08/30/17	< 0.023
08/30/17	-	09/07/17	< 0.039
09/07/17	-	09/13/17	< 0.064
09/13/17	-	09/21/17	< 0.039
09/21/17	-	09/27/17	< 0.034
09/27/17	-	10/04/17	< 0.029
10/04/17	-	10/12/17	No Data
10/12/17	-	10/19/17	< 0.015
10/19/17	-	10/25/17	< 0.048
10/25/17	-	11/01/17	< 0.028
11/01/17	-	11/08/17	< 0.034
11/08/17	-	11/15/17	< 0.044
11/15/17	-	11/21/17	< 0.049
11/21/17	-	11/29/17	< 0.023
11/29/17	-	12/06/17	< 0.028
12/06/17	-	12/13/17	< 0.017
12/13/17	-	12/20/17	< 0.027
12/20/17	-	12/27/17	< 0.039
12/27/17	-	01/03/18	< 0.038

Results in picoCuries per cubic meter (pCi/m^3)

* Air Iodine samples are collected by the licensee on a weekly basis

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Access Road to Finninger Farm Property (ENE Sector) (OCAI07)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.007
01/17/17	-	01/31/17	< 0.012
01/31/17	-	02/14/17	< 0.010
02/14/17	-	02/28/17	< 0.010
02/28/17	-	03/16/17	< 0.011
03/16/17	-	03/28/17	< 0.013
03/28/17	-	04/10/17	< 0.008
04/10/17	-	04/25/17	< 0.011
04/25/17	-	05/09/17	< 0.009
05/09/17	-	05/22/17	< 0.018
05/22/17	-	06/06/17	< 0.011
06/06/17	-	06/19/17	< 0.010
06/19/17	-	07/06/17	< 0.006
07/06/17	-	07/18/17	< 0.010
07/18/17	-	08/01/17	< 0.008
08/01/17	-	08/15/17	< 0.010
08/15/17	-	08/29/17	< 0.005
08/29/17	-	09/12/17	< 0.016
09/12/17	-	09/26/17	< 0.012
09/26/17	-	10/10/17	< 0.006
10/10/17	-	10/24/17	< 0.008
10/24/17	-	11/07/17	< 0.010
11/07/17	-	11/21/17	< 0.010
11/21/17	-	12/04/17	< 0.009
12/04/17	-	12/19/17	< 0.005
12/19/17	-	01/02/18	< 0.011

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
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Oyster Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

East of US Route 9 and South of Discharge Canal Inside Fence (SE Sector) (OCAI08)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.018
01/17/17	-	01/31/17	< 0.005
01/31/17	-	02/14/17	< 0.007
02/14/17	-	02/28/17	< 0.007
02/28/17	-	03/16/17	< 0.010
03/16/17	-	03/28/17	< 0.013
03/28/17	-	04/10/17	< 0.005
04/10/17	-	04/25/17	< 0.013
04/25/17	-	05/09/17	< 0.010
05/09/17	-	05/22/17	< 0.016
05/22/17	-	06/06/17	< 0.009
06/06/17	-	06/19/17	< 0.011
06/19/17	-	07/06/17	< 0.006
07/06/17	-	07/18/17	< 0.013
07/18/17	-	08/01/17	< 0.010
08/01/17	-	08/15/17	< 0.008
08/15/17	-	08/29/17	< 0.007
08/29/17	-	09/12/17	< 0.011
09/12/17	-	09/26/17	< 0.022
09/26/17	-	10/10/17	< 0.012
10/10/17	-	10/24/17	< 0.011
10/24/17	-	11/07/17	< 0.010
11/07/17	-	11/21/17	< 0.008
11/21/17	-	12/04/17	< 0.008
12/04/17	-	12/19/17	< 0.005
12/19/17	-	01/02/18	< 0.008

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Fort Elfsborg Road (AIAI01)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.017
01/17/17	-	01/31/17	< 0.006
01/31/17	-	02/14/17	< 0.007
02/14/17	-	02/28/17	< 0.009
02/28/17	-	03/16/17	< 0.008
03/16/17	-	03/28/17	< 0.010
03/28/17	-	04/10/17	< 0.007
04/10/17	-	04/25/17	< 0.012
04/25/17	-	05/09/17	< 0.010
05/09/17	-	05/22/17	< 0.015
05/22/17	-	06/07/17	< 0.007
06/07/17	-	06/20/17	< 0.013
06/20/17	-	07/06/17	< 0.004
07/06/17	-	07/18/17	< 0.007
07/18/17	-	08/01/17	< 0.008
08/01/17	-	08/15/17	< 0.008
08/15/17	-	08/29/17	< 0.006
08/29/17	-	09/12/17	< 0.011
09/12/17	-	09/26/17	< 0.005
09/26/17	-	10/10/17	< 0.011
10/10/17	-	10/24/17	< 0.006
10/24/17	-	11/07/17	< 0.009
11/07/17	-	11/21/17	< 0.008
11/21/17	-	12/04/17	< 0.011
12/04/17	-	12/19/17	< 0.007
12/19/17	-	01/02/18	< 0.008

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
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Salem/Hope Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Plant Access Road (AIAI02)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.010
01/17/17	-	01/31/17	< 0.011
01/31/17	-	02/14/17	< 0.009
02/14/17	-	02/28/17	< 0.005
02/28/17	-	03/16/17	< 0.007
03/16/17	-	03/28/17	< 0.007
03/28/17	-	04/10/17	< 0.006
04/10/17	-	04/25/17	< 0.011
04/25/17	-	05/09/17	< 0.008
05/09/17	-	05/22/17	< 0.012
05/22/17	-	06/07/17	< 0.011
06/07/17	-	06/20/17	< 0.011
06/20/17	-	07/06/17	< 0.005
07/06/17	-	07/18/17	< 0.008
07/18/17	-	08/01/17	< 0.008
08/01/17	-	08/15/17	< 0.015
08/15/17	-	08/29/17	< 0.007
08/29/17	-	09/12/17	< 0.010
09/12/17	-	09/26/17	< 0.008
09/26/17	-	10/10/17	< 0.013
10/10/17	-	10/24/17	< 0.007
10/24/17	-	11/07/17	< 0.011
11/07/17	-	11/21/17	< 0.011
11/21/17	-	12/04/17	< 0.010
12/04/17	-	12/19/17	< 0.007
12/19/17	-	01/02/18	< 0.015

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
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Salem/Hope Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

Lower Alloways Creek School (AIAI03)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.010
01/17/17	-	01/31/17	< 0.008
01/31/17	-	02/14/17	< 0.012
02/14/17	-	02/28/17	< 0.006
02/28/17	-	03/16/17	< 0.002
03/16/17	-	03/28/17	< 0.005
03/28/17	-	04/10/17	< 0.005
04/10/17	-	04/25/17	< 0.008
04/25/17	-	05/09/17	< 0.011
05/09/17	-	05/22/17	< 0.016
05/22/17	-	06/07/17	< 0.009
06/07/17	-	06/20/17	< 0.017
06/20/17	-	07/06/17	< 0.007
07/06/17	-	07/18/17	< 0.009
07/18/17	-	08/01/17	< 0.009
08/01/17	-	08/15/17	< 0.008
08/15/17	-	08/29/17	< 0.004
08/29/17	-	09/12/17	< 0.008
09/12/17	-	09/26/17	< 0.011
09/26/17	-	10/10/17	< 0.007
10/10/17	-	10/24/17	< 0.004
10/24/17	-	11/07/17	< 0.007
11/07/17	-	11/21/17	< 0.008
11/21/17	-	12/04/17	< 0.008
12/04/17	-	12/19/17	< 0.004
12/19/17	-	01/02/18	< 0.009

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Results of Analyses for Iodine-131 in Bi-Weekly Air Samples

SE Sector, PSE&G Owner Controlled Area (AIAI04)

Collection Period			I-131 (pCi/m^3)
01/04/17	-	01/17/17	< 0.007
01/17/17	-	01/31/17	< 0.002
01/31/17	-	02/14/17	< 0.004
02/14/17	-	02/28/17	< 0.009
02/28/17	-	03/16/17	< 0.006
03/16/17	-	03/28/17	< 0.013
03/28/17	-	04/10/17	< 0.007
04/10/17	-	04/25/17	< 0.003
04/25/17	-	05/09/17	< 0.011
05/09/17	-	05/22/17	< 0.006
05/22/17	-	06/07/17	< 0.007
06/07/17	-	06/20/17	< 0.006
06/20/17	-	07/06/17	< 0.007
07/06/17	-	07/18/17	< 0.005
07/18/17	-	08/01/17	< 0.008
08/01/17	-	08/15/17	< 0.011
08/15/17	-	08/29/17	< 0.005
08/29/17	-	09/12/17	< 0.008
09/12/17	-	09/26/17	< 0.012
09/26/17	-	10/10/17	< 0.009
10/10/17	-	10/24/17	< 0.010
10/24/17	-	11/07/17	< 0.013
11/07/17	-	11/21/17	< 0.012
11/21/17	-	12/04/17	< 0.002
12/04/17	-	12/19/17	< 0.006
12/19/17	-	01/02/18	< 0.007

Results in picoCuries per cubic meter (pCi/m^3)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

BNE Background Locations
Gross Beta Activity in Bi-Weekly Air Particulate Samples

BNE Office (COAP01)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.025 ± 0.002
01/17/17	-	01/31/17	0.016 ± 0.002
01/31/17	-	02/14/17	0.024 ± 0.002
02/14/17	-	02/28/17	0.023 ± 0.002
02/28/17	-	03/15/17	0.022 ± 0.002
03/15/17	-	03/28/17	0.025 ± 0.002
03/28/17	-	04/10/17	0.013 ± 0.002
04/10/17	-	04/25/17	0.016 ± 0.002
04/25/17	-	05/09/17	0.013 ± 0.001
05/09/17	-	05/22/17	0.014 ± 0.002
05/22/17	-	06/07/17	0.013 ± 0.001
06/07/17	-	06/20/17	0.021 ± 0.002
06/20/17	-	07/06/17	0.024 ± 0.002
07/06/17	-	07/17/17	0.023 ± 0.002
07/17/17	-	08/01/17	0.021 ± 0.002
08/01/17	-	08/15/17	0.023 ± 0.002
08/15/17	-	08/29/17	0.025 ± 0.002
08/29/17	-	09/12/17	0.020 ± 0.002
09/12/17	-	09/26/17	0.028 ± 0.002
09/26/17	-	10/10/17	0.019 ± 0.002
10/10/17	-	10/24/17	0.028 ± 0.002
10/24/17	-	11/07/17	0.019 ± 0.002
11/07/17	-	11/21/17	0.026 ± 0.002
11/21/17	-	12/04/17	0.031 ± 0.002
12/04/17	-	12/19/17	0.027 ± 0.002
12/19/17	-	01/02/18	0.021 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

BNE Background Locations
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Brendan T. Byrne State Forest (COAP02)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.020 ± 0.002
01/17/17	-	01/31/17	0.015 ± 0.002
01/31/17	-	02/14/17	0.023 ± 0.002
02/14/17	-	02/28/17	0.021 ± 0.002
02/28/17	-	03/16/17	0.018 ± 0.002
03/16/17	-	03/28/17	0.024 ± 0.002
03/28/17	-	04/10/17	0.013 ± 0.001
04/10/17	-	04/25/17	0.016 ± 0.002
04/25/17	-	05/09/17	0.012 ± 0.001
05/09/17	-	05/22/17	0.016 ± 0.002
05/22/17	-	06/06/17	0.014 ± 0.001
06/06/17	-	06/19/17	0.019 ± 0.002
06/19/17	-	07/06/17	0.022 ± 0.002
07/06/17	-	07/18/17	0.026 ± 0.002
07/18/17	-	08/01/17	0.020 ± 0.002
08/01/17	-	08/15/17	0.021 ± 0.002
08/15/17	-	08/29/17	0.024 ± 0.002
08/29/17	-	09/12/17	0.019 ± 0.002
09/12/17	-	09/26/17	0.025 ± 0.002
09/26/17	-	10/10/17	0.020 ± 0.002
10/10/17	-	10/24/17	0.021 ± 0.002
10/24/17	-	11/07/17	0.020 ± 0.002
11/07/17	-	11/21/17	0.021 ± 0.002
11/21/17	-	12/04/17	0.026 ± 0.002
12/04/17	-	12/19/17	0.021 ± 0.002
12/19/17	-	01/02/18	0.027 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Waretown Municipal Building (OCAP01)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.024 ± 0.002
01/17/17	-	01/31/17	0.014 ± 0.002
01/31/17	-	02/14/17	0.026 ± 0.002
02/14/17	-	02/28/17	0.021 ± 0.002
02/28/17	-	03/16/17	0.017 ± 0.002
03/16/17	-	03/28/17	0.027 ± 0.002
03/28/17	-	04/10/17	0.013 ± 0.002
04/10/17	-	04/25/17	0.016 ± 0.002
04/25/17	-	05/09/17	0.015 ± 0.002
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/06/17	0.012 ± 0.001
06/06/17	-	06/19/17	0.020 ± 0.002
06/19/17	-	07/06/17	0.022 ± 0.002
07/06/17	-	07/18/17	0.026 ± 0.002
07/18/17	-	08/01/17	0.020 ± 0.002
08/01/17	-	08/15/17	0.022 ± 0.002
08/15/17	-	08/29/17	0.023 ± 0.002
08/29/17	-	09/12/17	0.021 ± 0.002
09/12/17	-	09/26/17	0.021 ± 0.002
09/26/17	-	10/10/17	0.017 ± 0.002
10/10/17	-	10/24/17	0.014 ± 0.001
10/24/17	-	11/07/17	0.021 ± 0.002
11/07/17	-	11/21/17	0.023 ± 0.002
11/21/17	-	12/04/17	0.029 ± 0.002
12/04/17	-	12/19/17	0.023 ± 0.002
12/19/17	-	01/02/18	0.027 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Sands Point Harbor (OCAP02)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.028 ± 0.002
01/17/17	-	01/31/17	0.013 ± 0.002
01/31/17	-	02/14/17	0.027 ± 0.002
02/14/17	-	02/28/17	0.023 ± 0.002
02/28/17	-	03/16/17	0.016 ± 0.002
03/16/17	-	03/28/17	0.025 ± 0.002
03/28/17	-	04/10/17	0.009 ± 0.001
04/10/17	-	04/25/17	0.017 ± 0.002
04/25/17	-	05/09/17	0.015 ± 0.002
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/06/17	0.015 ± 0.002
06/06/17	-	06/19/17	0.021 ± 0.002
06/19/17	-	07/06/17	0.022 ± 0.002
07/06/17	-	07/18/17	0.024 ± 0.002
07/18/17	-	08/01/17	0.021 ± 0.002
08/01/17	-	08/15/17	0.020 ± 0.002
08/15/17	-	08/29/17	0.026 ± 0.002
08/29/17	-	09/12/17	0.020 ± 0.002
09/12/17	-	09/26/17	0.023 ± 0.002
09/26/17	-	10/10/17	0.022 ± 0.002
10/10/17	-	10/24/17	0.034 ± 0.003
10/24/17	-	11/07/17	0.019 ± 0.002
11/07/17	-	11/21/17	0.023 ± 0.002
11/21/17	-	12/04/17	0.030 ± 0.002
12/04/17	-	12/19/17	0.023 ± 0.002
12/19/17	-	01/02/18	0.026 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Forked River Marina (OCAP03)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.020 ± 0.002
01/17/17	-	01/31/17	0.014 ± 0.001
01/31/17	-	02/14/17	0.023 ± 0.002
02/14/17	-	02/28/17	0.021 ± 0.002
02/28/17	-	03/16/17	0.018 ± 0.002
03/16/17	-	03/28/17	0.027 ± 0.002
03/28/17	-	04/10/17	0.012 ± 0.001
04/10/17	-	04/25/17	0.015 ± 0.001
04/25/17	-	05/09/17	0.013 ± 0.001
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/06/17	0.016 ± 0.002
06/06/17	-	06/19/17	0.020 ± 0.002
06/19/17	-	07/06/17	0.021 ± 0.002
07/06/17	-	07/18/17	0.026 ± 0.002
07/18/17	-	08/01/17	0.017 ± 0.002
08/01/17	-	08/15/17	0.019 ± 0.002
08/15/17	-	08/29/17	0.021 ± 0.002
08/29/17	-	09/12/17	0.020 ± 0.002
09/12/17	-	09/26/17	0.023 ± 0.002
09/26/17	-	10/10/17	0.017 ± 0.002
10/10/17	-	10/24/17	0.021 ± 0.002
10/24/17	-	11/07/17	0.021 ± 0.002
11/07/17	-	11/21/17	0.021 ± 0.002
11/21/17	-	12/04/17	0.029 ± 0.002
12/04/17	-	12/19/17	0.022 ± 0.002
12/19/17	-	01/02/18	0.025 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Lacey Twp. Recreation Building (OCAP04)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.022 ± 0.002
01/17/17	-	01/31/17	0.015 ± 0.002
01/31/17	-	02/14/17	0.026 ± 0.002
02/14/17	-	02/28/17	0.022 ± 0.002
02/28/17	-	03/16/17	0.019 ± 0.002
03/16/17	-	03/28/17	0.025 ± 0.002
03/28/17	-	04/10/17	0.012 ± 0.001
04/10/17	-	04/25/17	0.014 ± 0.001
04/25/17	-	05/09/17	0.012 ± 0.001
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/06/17	0.016 ± 0.002
06/06/17	-	06/19/17	0.020 ± 0.002
06/19/17	-	07/06/17	0.021 ± 0.002
07/06/17	-	07/18/17	0.023 ± 0.002
07/18/17	-	08/01/17	0.021 ± 0.002
08/01/17	-	08/15/17	0.022 ± 0.002
08/15/17	-	08/29/17	0.024 ± 0.002
08/29/17	-	09/12/17	0.023 ± 0.002
09/12/17	-	09/26/17	0.025 ± 0.002
09/26/17	-	10/10/17	0.019 ± 0.002
10/10/17	-	10/24/17	0.019 ± 0.002
10/24/17	-	11/07/17	0.020 ± 0.002
11/07/17	-	11/21/17	0.022 ± 0.002
11/21/17	-	12/04/17	0.027 ± 0.002
12/04/17	-	12/19/17	0.022 ± 0.002
12/19/17	-	01/02/18	0.027 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

JCP&L Substation (OCAP05)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.023 ± 0.002
01/17/17	-	01/31/17	0.014 ± 0.002
01/31/17	-	02/14/17	0.025 ± 0.002
02/14/17	-	02/28/17	0.024 ± 0.002
02/28/17	-	03/16/17	0.019 ± 0.002
03/16/17	-	03/28/17	0.025 ± 0.002
03/28/17	-	04/10/17	0.012 ± 0.001
04/10/17	-	04/25/17	0.015 ± 0.002
04/25/17	-	05/09/17	0.012 ± 0.001
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/06/17	0.015 ± 0.002
06/06/17	-	06/19/17	0.019 ± 0.002
06/19/17	-	07/06/17	0.021 ± 0.002
07/06/17	-	07/18/17	0.024 ± 0.002
07/18/17	-	08/01/17	0.020 ± 0.002
08/01/17	-	08/15/17	0.021 ± 0.002
08/15/17	-	08/29/17	0.023 ± 0.002
08/29/17	-	09/12/17	0.021 ± 0.002
09/12/17	-	09/26/17	0.025 ± 0.002
09/26/17	-	10/10/17	0.019 ± 0.002
10/10/17	-	10/24/17	0.023 ± 0.002
10/24/17	-	11/07/17	0.019 ± 0.002
11/07/17	-	11/21/17	0.022 ± 0.002
11/21/17	-	12/04/17	0.026 ± 0.002
12/04/17	-	12/19/17	0.022 ± 0.002
12/19/17	-	01/02/18	0.025 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Weekly* Air Particulate Samples

Finninger Farm, OC Dredge Site (OCAP06)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/12/17	0.021 ± 0.004
01/12/17	-	01/18/17	0.034 ± 0.006
01/18/17	-	01/26/17	0.012 ± 0.003
01/26/17	-	02/01/17	0.029 ± 0.005
02/01/17	-	02/08/17	0.032 ± 0.005
02/08/17	-	02/15/17	0.025 ± 0.005
02/15/17	-	02/22/17	0.030 ± 0.005
02/22/17	-	03/02/17	0.017 ± 0.003
03/02/17	-	03/08/17	0.033 ± 0.006
03/08/17	-	03/16/17	0.019 ± 0.004
03/16/17	-	03/22/17	0.030 ± 0.005
03/22/17	-	03/29/17	0.021 ± 0.004
03/29/17	-	04/05/17	0.013 ± 0.003
04/05/17	-	04/12/17	0.016 ± 0.004
04/12/17	-	04/19/17	0.023 ± 0.004
04/19/17	-	04/27/17	0.008 ± 0.003
04/27/17	-	05/03/17	0.023 ± 0.005
05/03/17	-	05/10/17	0.013 ± 0.003
05/10/17	-	05/17/17	0.012 ± 0.003
05/17/17	-	05/24/17	0.023 ± 0.004
05/24/17	-	06/01/17	0.015 ± 0.003
06/01/17	-	06/07/17	0.024 ± 0.005
06/07/17	-	06/15/17	0.029 ± 0.004
06/15/17	-	06/21/17	0.019 ± 0.004
06/21/17	-	06/28/17	0.028 ± 0.005

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

* Air Particulate samples are collected by the licensee on a weekly basis

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Weekly* Air Particulate Samples

Finninger Farm, OC Dredge Site (OCAP06) - *continued*

Collection Period			Particulate Gross Beta (pCi/m^3)
06/28/17	-	07/06/17	0.022 ± 0.004
07/06/17	-	07/12/17	0.027 ± 0.005
07/12/17	-	07/20/17	0.029 ± 0.004
07/20/17	-	07/26/17	0.031 ± 0.005
07/26/17	-	08/02/17	0.023 ± 0.004
08/02/17	-	08/09/17	0.025 ± 0.004
09/09/17	-	08/16/17	0.025 ± 0.004
08/16/17	-	08/24/17	0.034 ± 0.005
08/24/17	-	08/30/17	0.021 ± 0.004
08/30/17	-	09/07/17	0.027 ± 0.004
09/07/17	-	09/13/17	0.020 ± 0.004
09/13/17	-	09/21/17	0.026 ± 0.004
09/21/17	-	09/27/17	0.026 ± 0.005
09/27/17	-	10/04/17	0.020 ± 0.004
10/04/17	-	10/12/17	0.020 ± 0.004
10/12/17	-	10/19/17	0.021 ± 0.004
10/19/17	-	10/25/17	0.026 ± 0.005
10/25/17	-	11/01/17	0.022 ± 0.004
11/01/17	-	11/08/17	0.022 ± 0.004
11/08/17	-	11/15/17	0.021 ± 0.004
11/15/17	-	11/21/17	0.019 ± 0.004
11/21/17	-	11/29/17	0.029 ± 0.004
11/29/17	-	12/06/17	0.033 ± 0.005
12/06/17	-	12/13/17	0.028 ± 0.005
12/13/17	-	12/20/17	0.038 ± 0.005
12/20/17	-	12/27/17	0.032 ± 0.004
12/27/17	-	01/03/18	0.024 ± 0.004

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

* Air Particulate samples are collected by the licensee on a weekly basis

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Access Road to Finninger Farm Property (ENE Sector) (OCAP07)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.022 ± 0.002
01/17/17	-	01/31/17	0.014 ± 0.002
01/31/17	-	02/14/17	0.025 ± 0.002
02/14/17	-	02/28/17	0.022 ± 0.002
02/28/17	-	03/16/17	0.020 ± 0.002
03/16/17	-	03/28/17	0.027 ± 0.002
03/28/17	-	04/10/17	0.014 ± 0.002
04/10/17	-	04/25/17	0.016 ± 0.002
04/25/17	-	05/09/17	0.014 ± 0.002
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/06/17	0.015 ± 0.002
06/06/17	-	06/19/17	0.018 ± 0.002
06/19/17	-	07/06/17	0.022 ± 0.002
07/06/17	-	07/18/17	0.023 ± 0.002
07/18/17	-	08/01/17	0.022 ± 0.002
08/01/17	-	08/15/17	0.021 ± 0.002
08/15/17	-	08/29/17	0.023 ± 0.002
08/29/17	-	09/12/17	0.019 ± 0.002
09/12/17	-	09/26/17	0.023 ± 0.002
09/26/17	-	10/10/17	0.016 ± 0.002
10/10/17	-	10/24/17	0.020 ± 0.002
10/24/17	-	11/07/17	0.022 ± 0.002
11/07/17	-	11/21/17	0.020 ± 0.002
11/21/17	-	12/04/17	0.026 ± 0.002
12/04/17	-	12/19/17	0.021 ± 0.002
12/19/17	-	01/02/18	0.025 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

East of US Route 9 and South of Discharge Canal Inside Fence (SE Sector) (OCAP08)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.021 ± 0.002
01/17/17	-	01/31/17	0.013 ± 0.001
01/31/17	-	02/14/17	0.026 ± 0.002
02/14/17	-	02/28/17	0.022 ± 0.002
02/28/17	-	03/16/17	0.020 ± 0.002
03/16/17	-	03/28/17	0.024 ± 0.002
03/28/17	-	04/10/17	0.012 ± 0.001
04/10/17	-	04/25/17	0.017 ± 0.002
04/25/17	-	05/09/17	0.014 ± 0.001
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/06/17	0.014 ± 0.002
06/06/17	-	06/19/17	0.019 ± 0.002
06/19/17	-	07/06/17	0.021 ± 0.002
07/06/17	-	07/18/17	0.027 ± 0.002
07/18/17	-	08/01/17	0.021 ± 0.002
08/01/17	-	08/15/17	0.020 ± 0.002
08/15/17	-	08/29/17	0.023 ± 0.002
08/29/17	-	09/12/17	0.020 ± 0.002
09/12/17	-	09/26/17	0.024 ± 0.002
09/26/17	-	10/10/17	0.017 ± 0.002
10/10/17	-	10/24/17	0.021 ± 0.002
10/24/17	-	11/07/17	0.020 ± 0.002
11/07/17	-	11/21/17	0.021 ± 0.002
11/21/17	-	12/04/17	0.027 ± 0.002
12/04/17	-	12/19/17	0.020 ± 0.002
12/19/17	-	01/02/18	0.023 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Fort Elfsborg Road (AIAP01)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.027 ± 0.002
01/17/17	-	01/31/17	0.015 ± 0.002
01/31/17	-	02/14/17	0.029 ± 0.002
02/14/17	-	02/28/17	0.022 ± 0.002
02/28/17	-	03/16/17	0.021 ± 0.002
03/16/17	-	03/28/17	0.026 ± 0.002
03/28/17	-	04/10/17	0.014 ± 0.002
04/10/17	-	04/25/17	0.017 ± 0.002
04/25/17	-	05/09/17	0.014 ± 0.002
05/09/17	-	05/22/17	0.017 ± 0.002
05/22/17	-	06/07/17	0.015 ± 0.002
06/07/17	-	06/20/17	0.023 ± 0.002
06/20/17	-	07/06/17	0.027 ± 0.002
07/06/17	-	07/18/17	0.026 ± 0.002
07/18/17	-	08/01/17	0.024 ± 0.002
08/01/17	-	08/15/17	0.024 ± 0.002
08/15/17	-	08/29/17	0.027 ± 0.002
08/29/17	-	09/12/17	0.020 ± 0.002
09/12/17	-	09/26/17	0.025 ± 0.002
09/26/17	-	10/10/17	0.018 ± 0.002
10/10/17	-	10/24/17	0.024 ± 0.002
10/24/17	-	11/07/17	0.021 ± 0.002
11/07/17	-	11/21/17	0.027 ± 0.002
11/21/17	-	12/04/17	0.024 ± 0.002
12/04/17	-	12/19/17	0.022 ± 0.002
12/19/17	-	01/02/18	0.026 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Plant Access Road (AIAP02)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.022 ± 0.002
01/17/17	-	01/31/17	0.015 ± 0.002
01/31/17	-	02/14/17	0.027 ± 0.002
02/14/17	-	02/28/17	0.022 ± 0.002
02/28/17	-	03/16/17	0.022 ± 0.002
03/16/17	-	03/28/17	0.027 ± 0.002
03/28/17	-	04/10/17	0.011 ± 0.001
04/10/17	-	04/25/17	0.017 ± 0.002
04/25/17	-	05/09/17	0.014 ± 0.002
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/07/17	0.017 ± 0.002
06/07/17	-	06/20/17	0.024 ± 0.002
06/20/17	-	07/06/17	0.024 ± 0.002
07/06/17	-	07/18/17	0.023 ± 0.002
07/18/17	-	08/01/17	0.023 ± 0.002
08/01/17	-	08/15/17	0.023 ± 0.002
08/15/17	-	08/29/17	0.027 ± 0.002
08/29/17	-	09/12/17	0.020 ± 0.002
09/12/17	-	09/26/17	0.027 ± 0.002
09/26/17	-	10/10/17	0.018 ± 0.002
10/10/17	-	10/24/17	0.022 ± 0.002
10/24/17	-	11/07/17	0.022 ± 0.002
11/07/17	-	11/21/17	0.025 ± 0.002
11/21/17	-	12/04/17	0.027 ± 0.003
12/04/17	-	12/19/17	0.026 ± 0.002
12/19/17	-	01/02/18	0.028 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

Lower Alloways Creek School (AIAP03)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.025 ± 0.002
01/17/17	-	01/31/17	0.016 ± 0.002
01/31/17	-	02/14/17	0.025 ± 0.002
02/14/17	-	02/28/17	0.021 ± 0.002
02/28/17	-	03/16/17	0.022 ± 0.002
03/16/17	-	03/28/17	0.029 ± 0.002
03/28/17	-	04/10/17	0.015 ± 0.002
04/10/17	-	04/25/17	0.016 ± 0.002
04/25/17	-	05/09/17	0.014 ± 0.002
05/09/17	-	05/22/17	0.016 ± 0.002
05/22/17	-	06/07/17	0.015 ± 0.002
06/07/17	-	06/20/17	0.021 ± 0.002
06/20/17	-	07/06/17	0.027 ± 0.002
07/06/17	-	07/18/17	0.024 ± 0.002
07/18/17	-	08/01/17	0.022 ± 0.002
08/01/17	-	08/15/17	0.024 ± 0.002
08/15/17	-	08/29/17	0.025 ± 0.002
08/29/17	-	09/12/17	0.020 ± 0.002
09/12/17	-	09/26/17	0.026 ± 0.002
09/26/17	-	10/10/17	0.020 ± 0.002
10/10/17	-	10/24/17	0.023 ± 0.002
10/24/17	-	11/07/17	0.020 ± 0.002
11/07/17	-	11/21/17	0.024 ± 0.002
11/21/17	-	12/04/17	0.028 ± 0.002
12/04/17	-	12/19/17	0.022 ± 0.002
12/19/17	-	01/02/18	0.026 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Gross Beta Activity in Bi-Weekly Air Particulate Samples

SE Sector, PSE&G Owner Controlled Area (AIAP04)

Collection Period			Particulate Gross Beta (pCi/m^3)
01/04/17	-	01/17/17	0.025 ± 0.002
01/17/17	-	01/31/17	0.016 ± 0.002
01/31/17	-	02/14/17	0.026 ± 0.002
02/14/17	-	02/28/17	0.021 ± 0.002
02/28/17	-	03/16/17	0.021 ± 0.002
03/16/17	-	03/28/17	0.029 ± 0.002
03/28/17	-	04/10/17	0.013 ± 0.002
04/10/17	-	04/25/17	0.016 ± 0.002
04/25/17	-	05/09/17	0.017 ± 0.002
05/09/17	-	05/22/17	0.015 ± 0.002
05/22/17	-	06/07/17	0.015 ± 0.002
06/07/17	-	06/20/17	0.024 ± 0.002
06/20/17	-	07/06/17	0.025 ± 0.002
07/06/17	-	07/18/17	0.026 ± 0.002
07/18/17	-	08/01/17	0.022 ± 0.002
08/01/17	-	08/15/17	0.024 ± 0.002
08/15/17	-	08/29/17	0.027 ± 0.002
08/29/17	-	09/12/17	0.020 ± 0.002
09/12/17	-	09/26/17	0.026 ± 0.002
09/26/17	-	10/10/17	0.018 ± 0.002
10/10/17	-	10/24/17	0.021 ± 0.002
10/24/17	-	11/07/17	0.022 ± 0.002
11/07/17	-	11/21/17	0.026 ± 0.002
11/21/17	-	12/04/17	0.027 ± 0.002
12/04/17	-	12/19/17	0.026 ± 0.002
12/19/17	-	01/02/18	0.027 ± 0.002

Results in picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

BNE Background Location
Results of Analyses of Gamma Emitters and Strontium in
Quarterly Composite Air Samples

BNE Office (COAP01)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.3	< 0.3	< 0.3	129 ± 17	< 42.2	< 18.1
03/28/17	-	06/20/17	< 0.6	< 0.4	< 0.4	124 ± 21	< 57.8	< 13.7
06/20/17	-	09/26/17	< 0.3	< 0.3	< 0.3	132 ± 17	< 31.3	< 11.3
09/26/17	-	01/02/18	< 0.3	< 0.3	< 0.2	109 ± 13	< 21.9	< 7.4

Brendan T. Byrne State Forest (COAP02)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.4	< 0.3	< 0.2	139 ± 19	< 18.7	< 13.4
03/28/17	-	06/19/17	< 0.6	< 0.6	< 0.6	123 ± 25	< 39.1	< 17.6
06/19/17	-	09/26/17	< 0.5	< 0.6	< 0.5	120 ± 24	< 17.4	< 8.6
09/26/17	-	01/02/18	< 0.4	< 0.2	< 0.2	110 ± 14	< 33.7	< 11.1

Results in 10^{-3} picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

Beryllium-7 (Be-7) is a naturally occurring radionuclide found in the environment.

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses of Gamma Emitters and Strontium in
Quarterly Composite Air Samples

Waretown Municipal Building (OCAP01)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.5	< 0.5	< 0.2	121 ± 15	< 25.0	< 10.9
03/28/17	-	06/19/17	< 0.5	< 0.6	< 0.5	106 ± 22	< 42.0	< 16.8
06/19/17	-	09/26/17	< 0.2	< 0.4	< 0.3	117 ± 18	< 18.2	< 6.3
09/26/17	-	01/02/18	< 0.2	< 0.2	< 0.3	101 ± 13	< 38.8	< 6.4

Sands Point Harbor (OCAP02)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.4	< 0.4	< 0.3	138 ± 16	< 30.6	< 15.5
03/28/17	-	06/19/17	< 0.3	< 0.5	< 0.4	109 ± 23	< 48.3	< 18.1
06/19/17	-	09/26/17	< 0.0	< 0.3	< 0.4	111 ± 23	< 24.1	< 8.5
09/26/17	-	01/02/18	< 0.4	< 0.3	< 0.2	121 ± 15	< 34.2	< 9.6

Forked River Marina (OCAP03)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.2	< 0.4	< 0.2	140 ± 18	< 27.1	< 7.8
03/28/17	-	06/19/17	< 0.2	< 0.4	< 0.3	122 ± 19	< 49.1	< 31.4
06/19/17	-	09/26/17	< 0.3	< 0.3	< 0.2	112 ± 17	< 24.6	< 7.9
09/26/17	-	01/02/18	< 0.2	< 0.2	< 0.2	115 ± 14	< 24.7	< 9.2

Lacey Township Recreation Building (OCAP04)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.4	< 0.3	< 0.3	116 ± 15	< 38.3	< 15.6
03/28/17	-	06/19/17	< 0.3	< 0.4	< 0.4	118 ± 19	< 47.9	< 23.2
06/19/17	-	09/26/17	< 0.4	< 0.3	< 0.3	120 ± 18	< 25.8	< 8.5
09/26/17	-	01/02/18	< 0.3	< 0.2	< 0.3	113 ± 15	< 19.2	< 7.4

Results in 10^{-3} picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

Beryllium-7 (Be-7) is a naturally occurring radionuclide found in the environment.

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses of Gamma Emitters and Strontium in
Quarterly Composite Air Samples

Jersey Central Power and Light Substation (OCAP05)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.4	< 0.4	< 0.2	133 ± 18	< 18.4	< 10.0
03/28/17	-	06/19/17	< 0.8	< 1.0	< 0.5	104 ± 25	< 48.5	< 19.1
06/19/17	-	09/26/17	< 0.1	< 0.2	< 0.3	110 ± 18	< 25.3	< 8.3
09/26/17	-	01/02/18	< 0.2	< 0.2	< 0.2	106 ± 13	< 23.7	< 5.6

Finninger Farm, OC Dredge Site (OCAP06)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/28/16	-	03/29/17	< 0.7	< 0.8	< 0.6	138 ± 20	< 52.7	< 50.3
03/29/17	-	06/28/17	< 0.9	< 0.9	< 0.6	105 ± 25	< 87.6	< 29.9
06/28/17	-	09/27/17	< 0.7	< 0.6	< 0.6	103 ± 21	< 57.8	< 17.1
09/27/17	-	12/27/17	< 0.9	< 0.6	< 0.7	124 ± 25	< 21.5	< 20.9

Access Road, Finninger Farm Property (ENE Sector) (OCAP07)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.3	< 0.3	< 0.3	126 ± 18	< 27.2	< 10.9
03/28/17	-	06/19/17	< 0.5	< 0.5	< 0.5	115 ± 26	< 70.3	< 33.1
06/19/17	-	09/26/17	< 0.4	< 0.3	< 0.3	110 ± 18	< 17.8	< 5.6
09/26/17	-	01/02/18	< 0.2	< 0.3	< 0.3	115 ± 15	< 23.7	< 11.9

East of US Route 9 & South of the Discharge Canal Inside Fence (SE Sector) (OCAP08)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.5	< 0.4	< 0.4	125 ± 19	< 30.1	< 13.2
03/28/17	-	06/19/17	< 0.5	< 0.3	< 0.3	111 ± 17	< 55.0	< 21.4
06/19/17	-	09/26/17	< 0.3	< 0.3	< 0.2	120 ± 19	< 27.5	< 9.4
09/26/17	-	01/02/18	< 0.3	< 0.2	< 0.2	114 ± 14	< 20.7	< 7.1

Results in 10^{-3} picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

Beryllium-7 (Be-7) is a naturally occurring radionuclide found in the environment.

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem / Hope Creek
Results of Analyses of Gamma Emitters and Strontium in
Quarterly Composite Air Samples

Fort Elfsborg Road (AIAP01)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/21/16	-	03/28/17	< 0.5	< 0.3	< 0.3	140 ± 17	< 34.6	< 10.5
03/28/17	-	06/20/17	< 0.2	< 0.4	< 0.3	123 ± 18	< 44.0	< 21.1
06/20/17	-	09/26/17	< 0.5	< 0.2	< 0.2	127 ± 19	< 16.8	< 9.8
09/26/17	-	01/02/18	< 0.3	< 0.2	< 0.2	107 ± 14	< 18.6	< 9.3

Plant Access Road (AIAP02)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.4	< 0.4	< 0.4	141 ± 17	< 22.1	< 14.6
03/28/17	-	06/20/17	< 0.7	< 0.5	< 0.4	125 ± 22	< 41.5	< 14.5
06/20/17	-	09/26/17	< 0.3	< 0.4	< 0.4	135 ± 21	< 25.5	< 6.9
09/26/17	-	01/02/18	< 0.3	< 0.3	< 0.3	111 ± 14	< 19.7	< 6.1

Lower Alloways Creek School (AIAP03)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.3	< 0.3	< 0.3	143 ± 19	< 29.0	< 11.3
03/28/17	-	06/20/17	< 0.4	< 0.4	< 0.4	108 ± 20	< 46.4	< 18.5
06/20/17	-	09/26/17	< 0.3	< 0.4	< 0.3	125 ± 20	< 17.8	< 6.4
09/26/17	-	01/02/18	< 0.2	< 0.3	< 0.2	115 ± 14	< 22.9	< 9.5

SE Sector, PSE&G Owner Controlled Area (AIAP04)

Collection Period			Co-60	Cs-134	Cs-137	Be-7	Sr-89	Sr-90
12/20/16	-	03/28/17	< 0.4	< 0.4	< 0.2	140 ± 18	< 27.7	< 9.8
03/28/17	-	06/20/17	< 0.4	< 0.5	< 0.3	127 ± 21	< 60.5	< 19.3
06/20/17	-	09/26/17	< 0.4	< 0.4	< 0.2	143 ± 21	< 22.0	< 11.1
09/26/17	-	01/02/18	< 0.2	< 0.2	< 0.2	102 ± 13	< 22.8	< 6.1

Results in 10^{-3} picoCuries per cubic meter (pCi/m^3) +/- 2 Standard Deviations total measurement uncertainty

Beryllium-7 (Be-7) is a naturally occurring radionuclide found in the environment.

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses of Gamma Emitters and Strontium in Fish/Shellfish Samples

Stouts Creek (OCFS01)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
05/16/17 - Clams	< 5	< 8	< 6	< 5	1,720 ± 177	< 91	< 199
10/16/17 - Clams	< 7	< 8	< 7	< 7	1,440 ± 251	< 147	< 129

East of Site – Barnegat Bay (OCFS02)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
05/11/17 - Bluefish	< 5	< 7	< 6	< 5	3,790 ± 290	< 134	< 333
05/15/17 - Clams	< 6	< 6	< 7	< 6	1,560 ± 168	< 93	< 217
10/16/17 – Clams	< 7	< 5	< 8	< 8	1,290 ± 246	< 140	< 128
10/18/17 - Bluefish	< 9	< 11	< 10	< 9	3,850 ± 521	< 221	< 171

Great Bay / Little Egg Harbor (OCFS03)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
05/16/17 - Clams	< 5	< 7	< 6	< 5	1,900 ± 273	< 115	< 327
05/16/17 - Bluefish	< 6	< 6	< 8	< 7	3,660 ± 290	< 290	< 329
10/18/17 – Clams	< 6	< 9	< 6	< 6	1,140 ± 203	< 108	< 157

OCNGS Discharge Canal between Pump Discharges and US Route 9 (OCFS04)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
05/17/17 - Bluefish	< 5	< 8	< 6	< 7	3,970 ± 294	< 255	< 417
10/16/17 – Blue Crab	< 15	< 18	< 19	< 15	2,350 ± 433	< 248	< 210
10/17/17 – Bluefish	< 7	< 7	< 7	< 7	3,720 ± 440	< 243	< 170
10/17/17 – Red Drum	< 11	< 14	< 11	< 10	3,820 ± 514	< 226	< 184

Results in picoCuries per kilogram – WET (pCi/kg) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Results of Analyses of Gamma Emitters and Strontium in Fish/Shellfish Samples

Delaware River – Near Plant Discharge Outfall Area – Salem NGS (AIFS01)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
05/09/17 – Catfish	< 14	< 16	< 13	< 14	3,180 ± 481	< 193	< 307
06/30/17 – Crab	< 6	< 5	< 7	< 6	3,110 ± 258	< 306	< 256
07/31/17 – Crab	< 12	< 10	< 9	< 10	3,250 ± 422	< 213	< 231

Delaware River – West Bank Upstream (AIFS02)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
05/10/17 – Catfish	< 15	< 18	< 17	< 19	3,130 ± 511	< 94	< 360
06/30/17 - Crab	< 6	< 6	< 7	< 6	2,820 ± 261	< 218	< 202
07/31/17 - Crab	< 6	< 7	< 7	< 6	2,430 ± 304	< 186	< 175
11/13/17 - Catfish	< 11	< 14	< 12	< 11	2,620 ± 365	< 198	< 199

Delaware River – One Mile West of Mad Horse Creek (AIFS03)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
11/15/17 - Catfish	< 11	< 13	< 12	< 15	3,110 ± 413	< 183	< 266

Delaware River – 2.1 Miles SE (AIFS05)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
07/17/17 – Oysters	< 8	< 5	< 6	< 7	2,050 ± 283	< 273	< 247
10/18/17 – Oysters	< 3	< 3	< 3	< 3	1,450 ± 176	< 140	< 198

Delaware River (Near Benny Sands and Nantuxent Cove) – 19.1 Miles SE (AIFS06)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40	Sr-89	Sr-90
07/17/17 – Oysters	< 7	< 7	< 8	< 6	1,270 ± 198	< 155	< 239
10/18/17 – Oysters	< 4	< 3	< 3	< 3	2,020 ± 197	< 152	< 230

Results in picocuries per kilogram – WET (pCi/kg) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment.

New Jersey Department of Environmental Protection
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Oyster Creek
Results of Analyses of Gamma Emitters in Aquatic Sediment Samples

Barnegat Bay (OCAQ01)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
05/16/17	< 123	< 15	< 16	< 22	< 16	< 14	16,400 ± 1,750
10/16/17	159 ± 137	< 17	< 16	< 28	< 20	< 18	11,700 ± 1,320

Oyster Creek Discharge Canal (OCAQ02)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
05/15/17	414 ± 100	< 9	< 10	< 13	32 ± 12	< 8	9,450 ± 995
10/16/17	209 ± 97	< 9	< 10	< 16	< 11	< 12	4,550 ± 512

Great Bay / Little Egg Harbor (OCAQ03)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
05/16/17	900 ± 231	< 19	< 19	< 26	39 ± 24	< 19	17,100 ± 1,670
10/18/17	< 197	< 25	< 23	< 36	< 25	< 29	15,600 ± 1,680

Stouts Creek (OCAQ04)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
05/16/17	220 ± 77	< 7	< 8	< 13	13 ± 10	< 8	6,840 ± 661
10/16/17	168 ± 119	< 12	< 12	< 17	< 14	< 12	5,370 ± 599

Results in picoCuries per kilogram – DRY (pCi/kg) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) and Beryllium-7 (Be-7) are naturally occurring radionuclides found in the environment.

New Jersey Department of Environmental Protection
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Salem/Hope Creek
Results of Analyses of Gamma Emitters in Aquatic Sediment Samples

Delaware River Near Site Helipad (AIAQ01)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
06/05/17	250 ± 87	< 7	< 9	< 13	< 9	< 9	3,950 ± 315
12/04/17	< 61	< 7	< 7	< 9	< 7	< 7	3,750 ± 435

Delaware River Near Plant Discharge Outfall Area – Salem Station NGS (AIAQ02)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
06/01/17	< 86	< 9	< 9	< 14	< 10	< 10	4,430 ± 484
11/30/17	< 104	< 11	< 12	< 17	< 11	< 11	3,800 ± 472

Delaware River - Near Hope Creek NGS Cooling Tower Blow Down Discharge Line Outfall (AIAQ03)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
06/01/17	130 ± 81	< 8	< 10	< 14	< 9	< 10	3,360 ± 412
11/30/17	< 103	< 11	< 10	< 16	< 12	< 10	6,690 ± 793

Delaware River Near South Storm Drain Discharge Line (AIAQ04)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
06/01/17	< 105	< 11	< 13	< 19	< 14	< 12	8,160 ± 881
11/30/17	< 113	< 12	< 14	< 19	< 12	< 11	6,670 ± 741

West Bank of Delaware River – Upstream (AIAQ05)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
06/01/17	< 166	< 19	< 18	< 25	< 19	< 19	12,000 ± 1,340
11/30/17	< 202	< 22	< 24	< 33	< 23	< 24	9,540 ± 1,070

Delaware Riverbank – 1.0 Miles W of Mad Horse Creek (AIAQ06)

Collection Date	Be-7	Co-58	Co-60	Cs-134	Cs-137	Mn-54	K-40
06/01/17	< 138	< 15	< 15	< 23	< 17	< 16	13,500 ± 1,520
11/30/17	< 107	< 12	< 12	< 19	< 13	< 13	9,480 ± 1,090

Results in picoCuries per kilogram – DRY (pCi/kg) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) and Beryllium-7 (Be-7) are naturally occurring radionuclides found in the environment.

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Oyster Creek
Results of Analyses of Gamma Emitters in Vegetable Samples

Oyster Creek Onsite Garden - ESE (OCVE01)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Cabbage	07/26/17	< 14	< 22	< 19	< 19	1,450 ± 337
Collards	07/26/17	< 23	< 19	< 26	< 20	3,000 ± 559
Kale	07/26/17	< 22	< 26	< 30	< 25	3,440 ± 587
Cabbage	08/30/17	< 16	< 20	< 23	< 27	1,610 ± 466
Collards	08/30/17	< 16	< 18	< 16	< 20	1,560 ± 344
Kale	08/30/17	< 16	< 26	< 25	< 24	1,200 ± 372
Cabbage	09/20/17	< 26	< 28	< 27	< 30	1,100 ± 409
Collards	09/20/17	< 14	< 15	< 16	< 16	2,440 ± 457
Kale	09/20/17	< 15	< 24	< 23	< 20	3,020 ± 572
Cabbage	10/25/17	< 17	< 28	< 22	< 22	1,400 ± 508
Collards	10/25/17	< 22	< 22	< 32	< 29	1,440 ± 499
Kale	10/25/17	< 34	< 30	< 45	< 49	2,850 ± 823

Private Farm – NW (OCVE02)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Cabbage	07/26/17	< 16	< 20	< 21	< 22	1,920 ± 465
Collards	07/26/17	< 16	< 18	< 18	< 17	3,750 ± 462
Kale	07/26/17	< 16	< 21	< 25	< 22	4,180 ± 704
Cabbage	08/30/17	< 15	< 17	< 21	< 18	2,710 ± 490
Collards	08/30/17	< 16	< 23	< 19	< 15	4,740 ± 717
Kale	08/30/17	< 13	< 17	< 19	< 16	5,320 ± 735
Cabbage	09/20/17	< 24	< 14	< 24	< 22	2,130 ± 474
Collards	09/20/17	< 20	< 14	< 17	< 19	4,080 ± 660
Kale	09/20/17	< 24	< 24	< 21	< 25	5,250 ± 783
Cabbage	10/25/17	< 16	< 21	< 12	< 12	1,920 ± 396
Collards	10/25/17	< 26	< 26	< 36	< 29	3,670 ± 799
Kale	10/25/17	< 32	< 35	< 25	< 32	4,560 ± 828

Results in picoCuries per kilogram – WET (pCi/kg) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment.

New Jersey Department of Environmental Protection
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Oyster Creek
Results of Analyses of Gamma Emitters in Vegetable Samples

Oyster Creek Onsite Garden - SE (OCVE03)[1]

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Cabbage	08/30/17	< 17	< 9	< 18	< 24	3,030 ± 622
Collards	08/30/17	< 16	< 19	< 25	< 22	2,790 ± 551
Kale	08/30/17	< 11	< 16	< 9	< 6	< 126
Collards	09/20/17	< 13	< 16	< 22	< 20	2,470 ± 471

Oyster Creek Onsite Garden - E (OCVE07)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Cabbage	07/26/17	< 21	< 15	< 21	< 19	1,420 ± 488
Collards	07/26/17	< 13	< 21	< 24	56 ± 27	2,930 ± 578
Cabbage	08/30/17	< 20	< 22	< 18	< 30	632 ± 306
Collards	08/30/17	< 14	< 20	< 24	< 26	1,970 ± 394
Kale	08/30/17	< 10	< 14	< 11	19 ± 16	2,540 ± 402
Cabbage	09/20/17	< 14	< 14	< 14	32 ± 14	1,570 ± 318
Collards	09/20/17	< 16	< 20	< 20	< 17	2,540 ± 471
Kale	09/20/17	< 15	< 21	< 17	29 ± 19	2,150 ± 397
Collards	10/25/17	< 23	< 37	< 34	< 44	3,340 ± 723
Kale	10/25/17	< 20	< 18	< 29	44 ± 26	3,140 ± 690

Results in picoCuries per kilogram – WET (pCi/kg) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment.

[1] Only four (4) samples from OCVE03 were available during the growing season because crops were too small or destroyed. There was insufficient medium available for a split sample with the licensee.

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Salem/Hope Creek
Results of Analyses of Gamma Emitters in Vegetable Samples

Local Farm - NNE (AIVE04)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Peppers	07/11/17	< 12	< 13	< 12	< 13	1,950 ± 339
Corn	07/11/17	< 15	< 14	< 16	< 15	2,260 ± 452
Corn	07/11/17	< 8	< 12	< 16	< 15	2,330 ± 349

Local Farm - NNE (AIVE05)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Tomato	07/06/17	< 8	< 10	< 9	< 11	2,220 ± 309
Corn	07/06/17	< 18	< 24	< 29	< 24	1,730 ± 556

Farm Market – NE (AIVE11)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Tomato	07/11/17	< 13	< 14	< 20	< 15	1,570 ± 358
Corn	07/11/17	< 14	< 16	< 14	< 15	2,160 ± 405
Cabbage	07/11/17	< 22	< 18	< 22	< 26	2,540 ± 454

Onsite – N (AIVE12)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Collards	08/29/17	< 23	< 20	< 24	< 23	5,660 ± 830
Collards	10/03/17	< 27	< 27	< 24	< 24	3,650 ± 725
Collards	11/27/17	< 13	< 17	< 17	< 13	4,130 ± 573

Onsite - NNW (AIVE14)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Collards	07/26/17	< 13	< 13	< 15	< 12	4,780 ± 449

Private Farm – SSW (AIVE15)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Collards	07/31/17	< 10	< 24	< 16	< 20	4,400 ± 670
Collards	10/02/17	< 18	< 21	< 20	< 23	4,820 ± 767

Results in picoCuries per kilogram – WET (pCi/kg) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment

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Salem/Hope Creek
Results of Analyses of Gamma Emitters in Vegetable Samples

Private Farm – NNE (AIVE18)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Tomato	07/09/17	< 8	< 8	< 10	< 9	2,060 ± 299
Pepper	07/09/17	< 13	< 13	< 17	< 13	1,850 ± 357

Private Farm – NW (AIVE22)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Corn	07/18/17	< 7	< 10	< 17	< 15	2,430 ± 427
Tomato	07/18/17	< 11	< 16	< 17	< 14	1,250 ± 313

Onsite - SE (AIVE25)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Collards	07/26/17	< 18	< 18	< 16	< 18	5,670 ± 788
Collards	08/29/17	< 22	< 25	< 21	< 21	5,560 ± 721
Collards	10/02/17	< 18	< 18	< 21	< 18	6,710 ± 882
Kale	11/27/17	< 20	< 27	< 22	< 19	6,580 ± 940
Collards	11/27/17	< 20	< 27	< 28	< 21	5,430 ± 811

Onsite - NW (AIVE26)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Collards	07/26/17	< 12	< 18	< 16	< 13	5,980 ± 758
Kale	08/29/17	< 30	< 15	< 31	< 29	6,970 ± 973
Collards	10/03/17	< 17	< 20	< 16	< 17	4,150 ± 613
Kale	11/27/17	< 17	< 19	< 19	< 16	4,060 ± 634
Collards	11/27/17	< 15	< 13	< 21	< 22	4,370 ± 731

Private Farm - NE (AIVE27)

Sample	Collection Date	Co-58	Co-60	Cs-134	Cs-137	K-40
Peaches	07/01/17	< 8	< 6	< 10	< 8	2,000 ± 297

Results in picoCuries per kilogram – WET (pCi/kg) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment.

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
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BNE Background Location
Results of Analyses of Gamma Emitters and Strontium in Milk Samples

State of New Jersey Dairy Farm (COMI01)

Collection Date	Cs-137	I-131	K-40	Sr-89	Sr-90
02/27/17	< 1.86	< 0.46	1,150 ± 91	< 0.73	< 0.95
06/05/17	< 2.25	< 0.37	1,360 ± 99	< 0.96	< 0.96
10/10/17	< 1.86	< 0.77	1,220 ± 123	< 0.90	< 0.49
12/05/17	< 1.49	< 0.46	964 ± 104	< 0.79	< 0.85

Results in picoCuries per Liter (pCi/L) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment.

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Salem/Hope Creek
Results of Analyses of Gamma Emitters and Strontium in Milk Samples

Private Farm – NNE (AIMI01)

Collection Date	Cs-137	I-131	K-40	Sr-89	Sr-90
01/02/17	< 2.08	< 0.52	1,520 ± 103	< 0.29	< 0.85
02/05/17	< 1.76	< 0.67	1,300 ± 89	< 0.85	< 0.93
03/06/17	< 2.02	< 0.45	1,280 ± 89	< 0.58	< 0.87
04/02/17	< 1.60	< 0.35	1,340 ± 88	< 0.83	< 0.91
05/08/17	< 1.76	< 0.45	1,380 ± 90	< 0.81	< 0.79
06/05/17	< 1.80	< 0.53	1,460 ± 172	< 0.95	< 0.94
07/03/17	< 1.63	< 0.57	1,410 ± 165	< 0.68	< 0.71
08/07/17	< 2.19	< 0.58	1,290 ± 134	< 0.88	< 0.76
09/05/17	< 2.05	< 0.83	1,400 ± 136	< 0.92	< 0.88
10/02/17	< 2.02	< 0.60	1,440 ± 140	< 0.91	< 0.93
11/13/17	< 1.97	< 0.63	2,030 ± 190	< 0.75	< 0.78
12/04/17	< 1.58	< 0.64	1,340 ± 146	< 0.84	< 0.85

Private Farm – NE (AIMI02)

Collection Date	Cs-137	I-131	K-40	Sr-89	Sr-90
01/02/17	< 1.60	< 0.75	1,290 ± 84	< 0.69	< 0.82
02/05/17	< 2.08	< 0.63	1,230 ± 91	< 0.87	< 0.87
03/06/17	< 1.74	< 0.50	1,260 ± 85	< 0.49	< 0.87
04/02/17	< 1.64	< 0.38	1,560 ± 99	< 0.80	< 0.89
05/08/17	< 1.71	< 0.49	1,410 ± 92	< 0.81	< 0.62
06/05/17	< 2.01	< 0.54	1,430 ± 98	< 0.94	< 0.96
07/03/17	< 1.92	< 0.57	1,350 ± 91	< 0.89	< 0.84
08/07/17	< 2.00	< 0.98	1,360 ± 145	< 0.64	< 0.77
09/05/17	< 2.15	< 0.83	1,390 ± 149	< 0.65	< 0.61
10/02/17	< 1.61	< 0.49	1,390 ± 90	< 0.92	< 0.97
11/13/17	< 2.74	< 0.57	1,860 ± 176	< 0.73	< 0.74
12/04/17	< 1.62	< 0.49	1,200 ± 117	< 0.86	< 0.87

Results in picoCuries per Liter (pCi/L) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment

New Jersey Department of Environmental Protection
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Salem/Hope Creek
Results of Analyses of Gamma Emitters and Strontium in Milk Samples

Private Farm – WNW (AIMI03)

Collection Date	Cs-137	I-131	K-40	Sr-89	Sr-90
01/02/17	< 1.55	< 0.43	1,430 ± 135	< 0.67	< 0.87
02/05/17	< 1.97	< 0.61	1,340 ± 91	< 0.91	< 0.92
03/06/17	< 2.19	< 0.51	1,270 ± 132	< 0.66	< 0.85
04/02/17	< 1.51	< 0.36	1,900 ± 177	< 0.39	< 0.85
05/08/17	< 2.85	< 0.86	1,430 ± 105	< 0.66	< 0.76
06/05/17	< 2.08	< 0.49	1,430 ± 143	< 0.89	< 0.91
07/03/17	< 1.32	< 0.54	1,260 ± 121	< 0.89	< 0.91
08/07/17	< 1.98	< 0.99	1,360 ± 92	< 0.82	< 0.51
09/05/17	< 2.70	< 0.90	1,530 ± 110	< 0.70	< 0.54
10/02/17	< 1.62	< 0.53	1,350 ± 134	< 0.92	< 0.96
11/13/17	< 1.96	< 0.81	1,370 ± 160	< 0.82	< 0.79
12/04/17	< 1.55	< 0.57	1,550 ± 157	< 0.82	< 0.87

Results in picoCuries per Liter (pCi/L) +/- 2 Standard Deviations total measurement uncertainty

Potassium-40 (K-40) is a naturally occurring radionuclide found in the environment

New Jersey Department of Environmental Protection
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Oyster Creek
Results of Analyses of Gamma Emitters and Tritium (H-3) in Surface Water

Barnegat Bay (OCSW01)

Collection Date*	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
05/16/17	< 1.51	< 2.01	< 1.68	< 1.72	< 178	< 0.74
10/17/17	< 1.56	< 1.42	< 1.71	< 1.42	< 212	< 0.69

Great Bay / Little Egg Harbor (OCSW02)

Collection Date**	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
01/04/17 – 01/26/17	< 1.52	< 1.48	< 1.52	< 1.40	< 233	< 0.94
01/31/17 – 03/02/17	< 1.57	< 1.33	< 1.50	< 1.53	< 247	< 0.88
03/09/17 – 03/29/17	< 1.63	< 1.68	< 1.95	< 1.62	< 252	< 2.01
04/07/17 – 04/27/17	< 1.52	< 1.45	< 1.53	< 1.49	< 289	< 0.87
05/05/17 – 06/01/17	< 1.51	< 1.46	< 1.63	< 2.14	< 205	< 1.20[3]
06/08/17 – 06/28/17	< 1.66	< 1.44	< 1.72	< 1.73	< 214	< 0.84
07/06/17 – 07/25/17	< 1.57	< 1.61	< 1.50	< 1.45	< 234	< 0.34
08/03/17 – 08/30/17	< 1.15	< 1.11	< 1.21	< 1.10	< 218	< 0.91
09/07/17 – 09/28/17	< 1.84	< 1.62	< 1.70	< 1.66	< 204	< 0.91
10/04/17 – 10/26/17	< 1.40	< 1.56	< 1.52	< 1.55	< 225	< 0.87
11/03/17 – 11/29/17	< 1.56	< 1.51	< 1.50	< 1.48	< 229	< 0.90
12/08/17 – 12/27/17	< 1.72	< 1.68	< 1.70	< 1.50	< 245	< 0.85

Results in picoCuries per Liter (pCi/L)

* Samples are collected as a semi-annual grab sample

** Samples are collected as a weekly grab and composited for a monthly sample

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses of Gamma Emitters and Tritium (H-3) in Surface Water

Stouts Creek (OCSW03)

Collection Date*	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
05/16/17	< 1.75	< 1.85	< 1.87	< 1.68	< 178	< 0.52
10/16/17	< 1.39	< 1.75	< 1.69	< 1.62	< 213	< 0.70

Oyster Creek Discharge Canal (OCSW04)

Collection Date**	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
01/04/17 – 01/25/17	< 1.68	< 1.46	< 1.73	< 1.64	< 238	< 0.96
01/31/17 – 03/02/17	< 1.70	< 1.72	< 1.73	< 1.57	< 248	< 0.84
03/09/17 – 03/29/17	< 1.53	< 1.60	< 1.59	< 1.53	< 251	< 1.81
04/07/17 – 04/27/17	< 1.68	< 1.61	< 1.47	< 1.44	< 279	< 0.90
05/05/17 – 06/01/17	< 1.37	< 1.58	< 1.49	< 1.40	< 208	< 0.78
06/08/17 – 06/28/17	< 1.57	< 1.53	< 1.63	< 1.57	< 215	< 0.90
07/06/17 – 07/26/17	< 1.42	< 1.47	< 1.52	< 1.51	< 234	< 0.39
08/02/17 – 08/30/17	< 1.21	< 1.25	< 1.26	< 1.28	< 216	< 0.84
09/07/17 – 09/28/17	< 1.47	< 1.36	< 1.44	< 1.25	< 212	< 0.98
10/04/17 – 10/25/17	< 1.61	< 1.66	< 1.63	< 1.59	< 228	< 0.87
11/01/17 – 11/29/17	< 1.69	< 1.66	< 1.67	< 1.59	< 228	< 0.92
12/06/17 – 12/27/17	< 1.70	< 1.46	< 1.62	< 1.76	< 243	< 1.50

Results in picoCuries per Liter (pCi/L)

* Samples are collected as a semi-annual grab sample

** Samples are collected as a weekly grab and composited for a monthly sample

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Salem/Hope Creek
Results of Analyses of Gamma Emitters and Tritium (H-3) in Surface Water

Delaware River – Near Plant Discharge Outfall Area – Salem NGS (AISW01)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
01/03/17	< 1.18	< 1.37	< 1.59	< 1.46	< 205	< 0.83
01/17/17	< 1.62	< 1.49	< 1.67	< 1.44	< 212	< 0.64
02/06/17	< 1.32	< 1.61	< 1.62	< 1.53	< 208	< 0.85
02/21/17	< 1.39	< 1.53	< 1.55	< 1.51	< 180	< 0.79
03/06/17	< 1.68	< 2.13	< 2.00	< 1.80	< 245	< 0.82
03/21/17	< 1.44	< 1.83	< 1.75	< 1.57	< 221	< 0.85
04/05/17	< 1.48	< 1.61	< 1.67	< 1.54	< 198	< 0.84
04/18/17	< 1.84	< 1.80	< 1.87	< 2.04	< 226	< 0.81
05/04/17	< 1.57	< 1.70	< 1.88	< 1.66	< 222	< 0.86
05/17/17	< 1.56	< 1.49	< 1.71	< 1.53	< 225	< 0.60
06/06/17	< 1.38	< 1.39	< 1.52	< 1.48	< 204	< 0.82
06/21/17	< 1.26	< 1.09	< 1.49	< 1.23	< 215	< 0.69
07/06/17	< 1.38	< 1.62	< 1.35	< 1.31	< 245	< 0.85
07/20/17	< 1.47	< 1.36	< 1.42	< 1.52	294 ± 161[2]	< 0.90
08/08/17	< 1.45	< 1.36	< 1.44	< 1.39	< 222	< 0.91
08/24/17	< 1.63	< 1.52	< 1.86	< 1.58	< 206	< 0.85
09/05/17	< 1.34	< 1.59	< 1.37	< 1.25	< 239	< 0.82
09/18/17	< 1.43	< 1.53	< 1.56	< 1.66	< 252	< 0.50
10/02/17	< 1.71	< 1.72	< 1.82	< 1.71	< 204	< 0.85
10/18/17	< 1.13	< 1.11	< 1.16	< 1.05	< 230	< 0.62
11/06/17	< 1.68	< 1.51	< 1.50	< 1.68	< 230	< 0.76
11/20/17	< 1.11	< 1.19	< 1.23	< 1.06	< 210	< 0.73
12/04/17	< 1.86	< 1.64	< 1.99	< 1.83	< 210	< 0.76
12/19/17	< 1.37	< 1.77	< 1.98	< 1.74	< 231	< 0.89

Results in picoCuries per Liter (pCi/L) +/- 2 Standard Deviations total measurement uncertainty

[2] The Plant Discharge Outfall Area (AISW01) is in the vicinity of where liquid radioactive effluents from the Salem Station are discharged into the Delaware River. The Salem station releases liquid effluent on a routine basis below limits set forth in Federal Guidance 10CFR20, Appendix B. The New Jersey Surface Water Quality Standard for tritium is 20,000 pCi/L. The reading of 294 pCi/L is 1.5 percent of the applicable limit.

New Jersey Department of Environmental Protection
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Salem/Hope Creek
Results of Analyses of Gamma Emitters and Tritium (H-3) in Surface Water

West Bank – Delaware River (AISW02)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
01/03/17	< 1.36	< 1.41	< 1.60	< 1.45	< 216	< 0.85
01/17/17	< 1.30	< 1.23	< 1.39	< 1.45	< 214	< 0.62
02/06/17	< 1.39	< 1.56	< 1.70	< 1.54	< 207	< 0.80
02/21/17	< 1.51	< 1.43	< 1.55	< 2.02	< 182	< 0.85
03/06/17	< 1.51	< 1.72	< 1.62	< 1.67	< 255	< 0.82
03/21/17	< 1.45	< 1.39	< 1.64	< 1.63	< 222	< 0.78
04/05/17	< 1.64	< 1.72	< 2.04	< 1.71	< 199	< 0.84
04/18/17	< 1.48	< 1.11	< 1.66	< 1.44	< 225	< 0.82
05/04/17	< 1.47	< 1.53	< 1.54	< 2.12	< 225	< 0.51
05/17/17	< 1.49	< 1.70	< 1.56	< 1.49	< 225	< 0.41
06/06/17	< 1.51	< 1.64	< 1.53	< 1.44	< 201	< 0.86
06/21/17	< 1.65	< 1.83	< 1.82	< 1.70	< 203	< 0.58
07/06/17	< 1.50	< 1.63	< 1.72	< 1.54	< 242	< 0.61
07/20/17	< 1.33	< 1.32	< 1.30	< 1.38	< 205	< 0.89
08/08/17	< 1.97	< 1.63	< 2.07	< 2.05	< 231	< 0.86
08/24/17	< 1.94	< 1.73	< 1.92	< 1.87	< 200	< 0.85
09/05/17	< 1.19	< 1.31	< 1.43	< 1.28	< 238	< 0.92
09/18/17	< 2.22	< 2.41	< 2.65	< 2.40	< 257	< 0.60
10/02/17	< 1.71	< 1.76	< 1.88	< 1.77	< 205	< 0.80
10/18/17	< 1.24	< 1.13	< 1.34	< 1.33	< 228	< 0.65
11/06/17	< 1.34	< 1.55	< 1.56	< 1.34	< 227	< 0.72
11/20/17	< 1.12	< 1.22	< 1.31	< 1.10	< 216	< 0.59
12/04/17	< 1.54	< 1.85	< 1.95	< 1.85	< 212	< 0.80
12/19/17	< 2.06	< 1.82	< 1.84	< 1.81	< 228	< 0.88

Results in picoCuries per Liter (pCi/L

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Results of Analyses of Gamma Emitters and Tritium (H-3) in Surface Water

Delaware River - One Mile West of Mad Horse Creek (AISW03)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
01/03/17	< 1.28	< 1.45	< 1.42	< 1.98	< 203	< 0.86
01/17/17	< 1.78	< 1.97	< 1.94	< 1.88	< 209	< 0.58
02/06/17	< 1.31	< 1.47	< 1.54	< 1.46	< 203	< 0.83
02/21/17	< 1.46	< 1.53	< 1.71	< 1.64	< 181	< 0.44
03/06/17	< 1.46	< 1.57	< 1.56	< 1.51	< 247	< 0.83
03/21/17	< 1.61	< 1.62	< 1.87	< 1.66	< 216	< 0.79
04/05/17	< 1.78	< 1.96	< 2.26	< 1.96	< 196	< 0.85
04/18/17	< 1.55	< 1.55	< 1.73	< 1.71	< 228	< 0.82
05/04/17	< 1.72	< 1.91	< 1.99	< 1.93	< 224	< 0.64
05/17/17	< 1.67	< 1.83	< 1.71	< 1.85	< 233	< 0.55
06/06/17	< 1.29	< 1.49	< 1.35	< 1.47	< 205	< 0.85
06/21/17	< 1.36	< 1.47	< 1.54	< 1.36	< 216	< 0.58
07/06/17	< 1.41	< 1.53	< 1.52	< 1.59	< 240	< 0.86
07/20/17	< 1.67	< 1.61	< 1.84	< 1.70	< 207	< 0.93
08/08/17	< 1.34	< 1.44	< 1.61	< 1.58	< 234	< 0.79
08/24/17	< 1.54	< 2.01	< 1.77	< 1.84	< 207	< 0.82
09/05/17	< 1.38	< 1.60	< 1.42	< 1.32	< 233	< 0.85
09/18/17	< 1.83	< 1.73	< 1.94	< 1.80	< 245	< 0.78
10/02/17	< 1.96	< 1.87	< 2.05	< 1.93	< 206	< 0.82
10/18/17	< 1.28	< 1.25	< 1.25	< 1.13	< 222	< 0.57
11/06/17	< 1.76	< 1.66	< 1.58	< 1.59	< 233	< 0.80
11/20/17	< 1.16	< 1.40	< 1.37	< 1.25	< 223	< 0.63
12/04/17	< 1.66	< 1.82	< 1.87	< 1.78	< 211	< 0.84
12/19/17	< 1.48	< 1.89	< 2.00	< 1.84	< 233	< 0.89

Results in picoCuries per Liter (pCi/L)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Results of Analyses of Gamma Emitters and Tritium (H-3) in Well Water

Oyster Creek Administration Building Onsite (OCWW01)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.36	< 1.43	< 1.42	< 1.40	< 212	< 0.89
04/25/17	< 1.70	< 1.86	< 2.04	< 1.87	< 222	< 0.89
07/24/17	< 1.35	< 1.51	< 1.40	< 1.44	< 213	< 0.57
10/31/17	< 1.49	< 1.54	< 1.71	< 1.51	< 233	< 0.67

Forked River Marina (OCWW02)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.39	< 1.37	< 1.61	< 1.54	< 219	< 0.86
04/25/17	< 1.67	< 1.67	< 2.03	< 2.06	< 211	< 0.84
07/25/17	< 1.74	< 1.83	< 1.87	< 1.85	< 211	< 0.86
10/31/17	< 1.23	< 1.52	< 1.35	< 1.44	< 230	< 0.77

Lacey MUA Pumping Station (OCWW03)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.40	< 1.38	< 1.63	< 1.49	< 221	< 0.88
04/25/17	< 1.44	< 1.74	< 1.62	< 1.60	< 244	< 0.89
07/25/17	< 1.55	< 1.49	< 1.51	< 1.44	< 205	< 0.47
10/31/17	< 1.42	< 1.48	< 1.51	< 1.43	< 226	< 0.82

Ocean Township MUA Pumping Station (OCWW04)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.52	< 1.89	< 1.67	< 1.61	< 222	< 0.80
04/25/17	< 1.53	< 1.54	< 1.49	< 1.87	< 219	< 0.92
07/25/17	< 1.75	< 1.75	< 1.90	< 1.68	< 205	< 0.77
10/31/17	< 1.21	< 1.28	< 1.34	< 1.31	< 222	< 0.87

Results in picoCuries per Liter (pCi/L)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Results of Analyses of Gamma Emitters and Tritium (H-3) in Well Water

Elsinboro School (AIWW01)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.66	< 1.33	< 1.94	< 1.75	< 215	< 0.89
04/25/17	< 1.76	< 1.63	< 2.02	< 1.75	< 192	< 0.88
07/26/17	< 1.80	< 1.86	< 2.13	< 1.83	< 230	< 0.89
10/31/17	< 1.09	< 1.37	< 1.51	< 1.28	< 229	< 0.68

Lower Alloways Creek Police Station (AIWW02)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.69	< 2.10	< 1.97	< 1.93	< 222	< 0.82
04/25/17	< 1.43	< 1.39	< 1.63	< 2.10	< 254	< 0.86
07/26/17	< 1.58	< 1.92	< 1.88	< 1.72	< 231	< 0.88
10/31/17	< 1.23	< 1.52	< 1.44	< 1.36	< 226	< 0.81

Salem Processing Center (AIWW03)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.82	< 1.81	< 2.18	< 1.91	< 216	< 0.91
04/25/17	< 1.58	< 1.68	< 1.84	< 1.72	< 235	< 0.84
07/26/17	< 1.45	< 1.55	< 1.65	< 1.54	< 228	< 0.86
10/31/17	< 1.77	< 1.93	< 2.04	< 2.15	< 230	< 0.73

Lower Alloways Creek School (AIWW04)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.45	< 1.69	< 1.72	< 1.69	< 223	< 0.83
04/25/17	< 1.39	< 1.44	< 1.68	< 1.49	< 224	< 0.89
07/26/17	< 1.69	< 1.89	< 1.88	< 1.83	< 230	< 0.90
10/31/17	< 1.21	< 1.37	< 1.36	< 1.32	< 228	< 0.96

City of Salem Water & Sewage Department (AIWW05)

Collection Date	Co-58	Co-60	Cs-134	Cs-137	H-3	I-131
02/02/17	< 1.44	< 1.61	< 1.62	< 1.58	< 222	< 0.94
04/25/17	< 1.54	< 1.48	< 1.65	< 1.59	< 236	< 0.83
07/26/17	< 1.49	< 1.38	< 1.55	< 1.45	< 234	< 0.90
10/31/17	< 1.09	< 1.35	< 1.30	< 1.27	< 251	< 0.75

Results in picoCuries per Liter (pCi/L)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

BNE Background Location
Thermoluminescent Dosimetry Data
Quarterly Results

		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
CO01	BNE Office, Arctic Parkway, Ewing, NJ	16.8	2.6	14.4	1.2	*	*	13.0	1.8
CO02	Brendan T. Byrne State Forest, New Lisbon, NJ	12.3	4.4	13.2	4.2	10.4	3.4	10.4	2.0

Results are reported in units of milliroentgens (mR)

CV is the coefficient of variation; the ratio of the standard deviation to the mean and is normally reported as a percentage.

All exposures were normalized to 90 days (a standard quarter)

* Data results not available

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Thermoluminescent Dosimetry Data
Quarterly Results

		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
1	Ocean County Vocational School	11.5	5.4	12.3	2.6	10.0	2.4	9.0	1.9
2	Ocean Twp. Municipal Building	12.6	3.7	13.1	1.4	10.1	2.7	10.3	2.3
3	Sewage Pumping Station, Forked River	13.2	3.2	12.6	7.4	11.6	2.5	11.0	1.4
4	Twin River Station, Forked River	11.7	2.7	11.5	4.0	10.2	3.4	9.3	5.4
5	Sewage Pumping Station, Ocean Twp.	12.2	2.8	12.8	6.9	11.1	4.0	10.5	2.4
6	Oyster Creek, Gate #2, Forked River	13.6	3.6	13.8	4.6	11.2	2.1	10.7	1.7
7	Finninger Farm, Forked River	11.6	4.8	11.5	3.9	9.4	4.7	9.2	2.4
8	Ocean Co. Memorial Cemetery, Waretown	11.3	1.6	11.1	2.8	10.1	2.8	9.9	5.1
9	Oyster Creek Building 17, Forked River	13.4	0.8	20.4	10.8	11.9	5.4	10.8	3.2
10	Sheffield & Derby Rd, Forked River	12.0	5.6	9.5	*	10.5	4.3	9.8	2.2
11	Lakeside Drive, Forked River	13.5	3.3	13.0	3.3	10.3	1.2	9.9	1.6
12	Forked River Game Farm, Forked River	12.5	2.3	13.3	7.0	10.7	0.3	10.1	1.6

Results are reported in units of milliroentgens (mR)

CV is the coefficient of variation; the ratio of the standard deviation to the mean and is normally reported as a percentage.

All exposures were normalized to 90 days (a standard quarter)

* CV cannot be determined from one dosimeter (1) element

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek
Thermoluminescent Dosimetry Data
Quarterly Results

		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
13	Restrooms, Lakeside Dr., Forked River	13.0	3.2	12.8	4.5	10.4	2.8	9.3	2.1
14	Sands Pt. Park, Dock Ave., Waretown	14.1	4.3	13.5	3.0	10.9	2.3	10.6	3.4
15	Recreation Center, Waretown	12.5	1.8	12.5	5.3	10.9	11.8	9.4	2.3
16	North Access Rd., Forked River	14.4	2.2	13.1	5.2	12.7	2.7	12.3	1.7
20	Third Avenue, Barnegat Light	11.0	2.3	11.7	5.6	9.3	1.0	8.6	1.2
21	Rose Hill Road & Barnegat Blvd	13.1	5.0	13.5	2.3	10.8	2.2	9.7	4.6
22	Bay Way & Clairmore Avenue	13.8	8.9	12.3	1.6	10.8	4.4	10.4	4.0
23	Island Beach State Park, Parking Lot A5	12.1	2.9	12.6	2.8	9.7	3.7	9.6	4.0
24	Forked River Site Access Rd. (N)	15.7	3.6	16.5	5.4	13.3	1.8	12.7	6.1
25	Forked River Site Access Rd. NNW)	19.2	1.3	19.8	3.4	16.4	4.8	15.3	1.5
26	Forked River Site Access Rd. (NW)	16.7	2.2	16.9	2.3	15.6	4.0	13.2	6.9
27	Southern Area Stores Fence, FR Site	22.3	2.1	23.3	1.7	20.4	2.3	19.6	4.2

Results are reported in units of milliroentgens (mR).

CV is the coefficient of variation; the ratio of the standard deviation to the mean and is normally reported as a percentage.

All exposures were normalized to 90 days (a standard quarter).

New Jersey Department of Environmental Protection
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2017 Radiological Environmental Monitoring Program

Oyster Creek
Thermoluminescent Dosimetry Data
Quarterly Results

		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
28	Southern Area Stores, FR Site (WSW)	20.6	4.5	15.9	0.5	19.0	1.8	18.4	2.4
29	Southern Area Stores Access Rd (SSW)	16.7	3.7	17.0	2.0	15.3	3.4	15.3	5.5
30	Southern Area Stores Access Road (S)	16.4	5.4	18.0	1.2	15.8	1.7	14.9	1.9
31	Southern Area Stores Access Road (SSE)	15.5	3.9	15.1	3.8	13.9	1.9	13.5	0.5
32	U.S. Route 9 (ESE) Forked River., NJ	12.6	3.8	12.7	4.1	10.8	3.1	10.0	3.9
33	U.S. Route 9 (NE) Forked River, NJ	13.1	4.6	11.9	*	10.8	3.7	10.0	1.2
34	Garden St Pkwy Svc. Forked River, NJ	13.7	3.1	14.2	3.8	11.6	3.2	10.6	8.8
35	U.S. Route 9 & Harbor Inn Rd, Bayville, NJ	13.1	1.7	13.9	5.1	11.1	1.3	9.8	3.0
36	Orlando Dr. & Penguin Ct., Forked River, NJ	12.4	1.7	13.9	3.1	10.6	1.0	9.5	1.8
37	Bay Pkwy, Sands Point, Waretown, NJ	12.0	3.7	12.7	3.0	10.2	2.7	9.4	5.2
38	Hightide & Bonita Dr., Waretown, NJ	14.4	3.6	12.2	2.6	11.8	2.6	10.8	2.8
39	Brook & School St. Barnegat, NJ	13.0	4.5	10.2	*	11.2	2.2	10.1	2.5

Results are reported in units of milliroentgens (mR).

CV is the coefficient of variation; the ratio of the standard deviation to the mean and is normally reported as a percentage.

All exposures were normalized to 90 days (a standard quarter).

* CV cannot be determined from one (1) dosimeter element

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
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Oyster Creek
Thermoluminescent Dosimetry Data
Quarterly Results

		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
40	County Rt. 554, Barnegat, NJ	13.8	3.6	13.4	1.7	11.4	2.3	10.5	3.3
41	County Rt. 532, Waretown, NJ	12.4	1.9	12.2	1.6	10.0	3.7	9.0	0.7
42	Lacey Rd. WEST, Forked River, NJ	15.2	2.6	15.0	1.5	12.9	1.2	12.2	7.4
43	U.S. Route 9 (E) Forked River, NJ	14.2	2.5	13.7	4.1	12.2	2.5	10.2	2.2

Results are reported in units of milliroentgens (mR).

CV is the coefficient of variation; the ratio of the standard deviation to the mean and is normally reported as a percentage.

All exposures were normalized to 90 days (a standard quarter)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Thermoluminescent Dosimetry Data
Quarterly Results

		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
1	Access Road – Security Checkpoint	13.7	1.8	10.2	15.5	11.3	2.7	11.6	2.4
2	Poplar Road, Lower Alloways	14.5	4.8	11.2	18.3	12.1	1.9	11.8	3.3
3	Money and Eagle Island Road	16.4	2.3	11.5	15.6	13.0	2.1	12.9	6.8
4	Ft. Elfsborg / Hancocks – East	16.7	7.4	7.0	12.1	13.6	1.6	13.7	1.5
5	Ft. Elfsborg / Hancocks – West	21.4	2.6	8.8	24.2	17.3	2.3	16.6	2.8
6	Stathems Neck Road	15.1	4.1	7.1	26.3	12.4	1.9	11.8	7.4
7	Stow Neck Road Lower Alloways	12.8	2.6	5.3	33.0	10.5	3.1	10.2	3.8
8	Alloways Creek Neck Road - Middle	12.8	5.3	9.3	22.9	10.1	1.5	9.7	0.9
9	Alloways Creek Neck Road - North	16.9	6.1	13.6	13.7	13.3	4.8	13.1	2.0
10	Abbotts Farm Road	13.1	3.6	10.4	11.8	10.8	2.1	10.1	2.5

Results are reported in units of milliroentgens (mR)

CV is the coefficient of variation; the ratio of the standard deviation to the mean and is normally reported as a percentage.

All exposures were normalized to 90 days (a standard quarter).

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek
Thermoluminescent Dosimetry Data
Quarterly Results

		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
11	PSEG Education Center/EOF	15.8	5.8	10.1	1.2	12.8	4.2	12.3	3.5
12	Onsite Access Rd N Sector	17.4	4.7	9.9	5.4	14.4	2.1	13.9	3.1
13	Onsite Laydown Area - NNE Sector	16.1	1.9	9.0	6.6	13.2	4.3	13.0	3.0
14	Onsite Utility Pole NE Sector	14.5	0.2	5.0	14.0	11.6	2.8	11.9	2.9
15	Onsite Hope Creek Road – ENE Sector	14.9	2.2	5.5	36.5	12.2	1.5	11.9	0.7
16	Onsite Parking Lot ESE Sector	18.5	3.4	11.7	5.0	14.6	1.2	14.4	3.6
17	Onsite Salem NGS SE Sector*	17.4	2.0	11.4	17.2	13.8	4.7	14.0	1.7
18	Bayside Road Bayside, NJ	15.3	4.2	12.1	4.7	12.1	0.5	11.9	1.1

Results are reported in units of milliroentgens (mR)

CV is the coefficient of variation; the ratio of the standard deviation to the mean and is normally reported as a percentage.

All exposures were normalized to 90 days (a standard quarter)

* TLD Station 17 was added to the ESMP during 2017. Initial deployment was during the first quarter of 2017

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Comparison of NJDEP and Mirion Technologies Thermoluminescent Dosimetry Data for Oyster Creek

Quarterly Results for Co-located Dosimeters

		1st Quarter				2nd Quarter				3rd Quarter				4th Quarter			
		NJDEP		Mirion		NJDEP		Mirion		NJDEP		Mirion		NJDEP		Mirion	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
5	Sewage Pump. Station, Ocean Township	12.2	2.8	10.1	3.2	12.8	6.9	10.1	5.7	11.1	4.0	10.4	2.9	10.5	2.4	10.7	4.0
7	Finninger Farm,OCNGS Forked River	11.6	4.8	8.9	4.4	11.5	3.9	8.4	4.6	9.4	4.7	9.1	3.2	9.2	2.4	8.7	6.4
13	Restrooms, Lakeside Dr. Forked River	13.0	3.2	9.7	6.7	12.8	4.5	10.0	6.9	10.4	2.8	10.2	0.0	9.3	2.1	10.1	3.4
21	Rose Hill and Barnegat Rd Barnegat Twp.	13.1	5.0	9.7	4.4	13.5	2.3	10.3	3.9	10.8	2.2	10.0	6.1	9.7	4.6	9.6	2.8

Results are reported in units of milliroentgens (mR)

CV is the coefficient of variation; the ratio of the standard deviation to the mean, and is normally reported as a percentage

All exposures were normalized to 90 days (a standard quarter)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Comparison of NJDEP and Mirion Technologies Thermoluminescent Dosimetry Data for Salem/Hope Creek

Quarterly Results for Co-located Dosimeters

		1st Quarter				2nd Quarter				3rd Quarter				4th Quarter			
		NJDEP		Mirion		NJDEP		Mirion		NJDEP		Mirion		NJDEP		Mirion	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
1	Access Road – Security Checkpoint	13.7	1.8	11.1	3.0	10.2	15.5	11.3	3.8	11.3	2.7	11.2	0.0	11.6	2.4	11.9	2.4
2	Poplar Road, Lower Alloways	14.5	4.8	11.3	0.0	11.2	18.3	11.8	0.0	12.1	1.9	11.9	3.3	11.8	3.3	11.5	4.5
3	Money and Eagle Island Roads	16.4	2.3	11.9	3.5	11.5	15.6	13.3	3.1	13.0	2.1	12.5	3.2	12.9	6.8	13.2	4.5
5	Ft. Elfsborg/ Hancocks - West	21.4	2.6	15.5	2.3	8.8	24.2	17.1	3.6	17.3	2.3	16.8	5.9	16.6	2.8	16.8	3.4

Results are reported in units of milliroentgens (mR)

CV is the coefficient of variation; the ratio of the standard deviation to the mean, and is normally reported as a percentage

All exposures were normalized to 90 days (a standard quarter)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Comparison of NJDEP and Mirion Technologies Thermoluminescent Dosimetry for Salem/Hope Creek

Quarterly Results for Co-located Dosimeters

		1st Quarter				2nd Quarter				3rd Quarter				4th Quarter			
		NJDEP		Mirion		NJDEP		Mirion		NJDEP		Mirion		NJDEP		Mirion	
Station	**Location**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**	**Result**	**%CV**
7	Stow Neck Road-Lower Alloways	12.8	2.6	10.1	3.2	5.3	33.0	10.4	4.1	10.5	3.1	10.4	2.9	10.2	3.8	9.9	5.5
9	Alloways Creek Neck Road - North	16.9	6.1	12.4	2.7	13.6	13.7	12.9	5.2	13.3	4.8	13.0	4.5	13.1	2.0	12.9	4.1
11	PSEG Ed. Center/EOF Salem City	15.8	5.8	11.8	3.8	10.1	1.2	12.6	4.8	12.8	4.2	11.5	5.3	12.3	3.5	12.7	3.5

Results are reported in units of milliroentgens (mR)

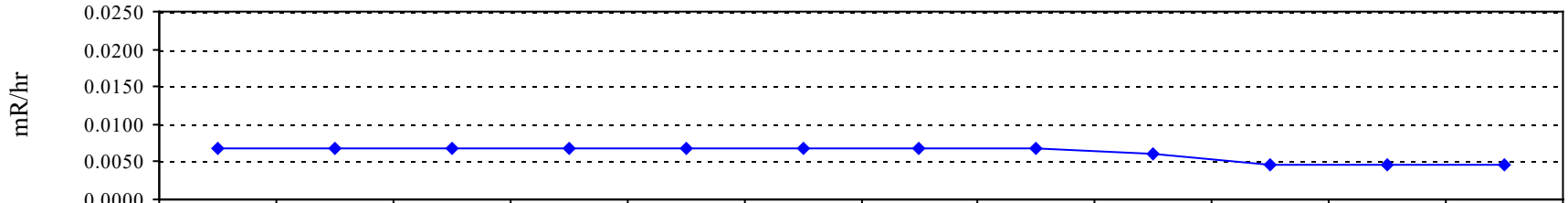
CV is the coefficient of variation; the ratio of the standard deviation to the mean, and is normally reported as a percentage

All exposures were normalized to 90 days (a standard quarter)

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

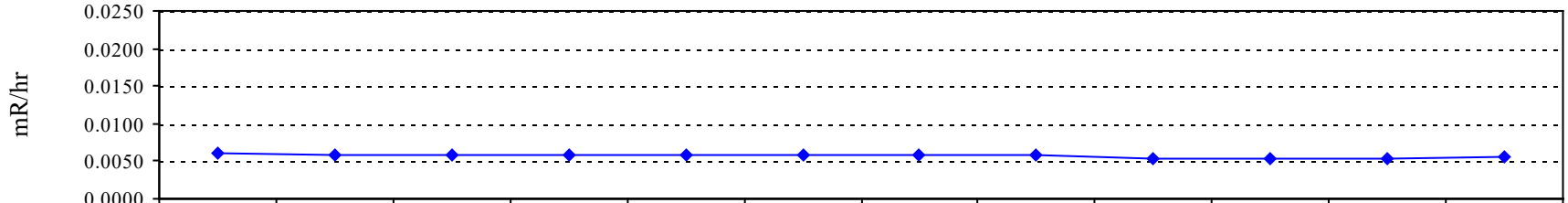
OC 1
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-1	0.0069	0.0068	0.0068	0.0067	0.0068	0.0068	0.0068	0.0068	0.0061	0.0046	0.0046	0.0046

Month

OC 2
2017 Ambient Radiation Levels



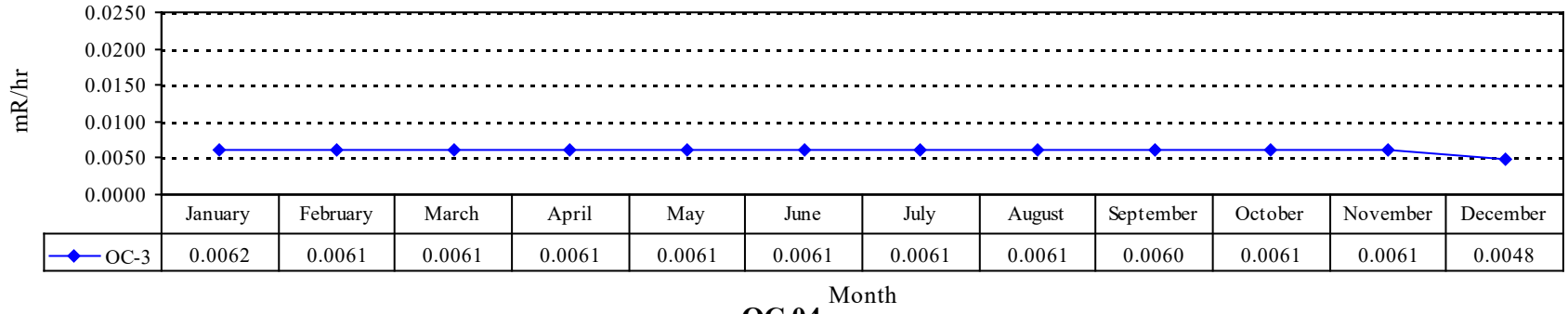
	January	February	March	April	May	June	July	August	September	October	November	December
OC-2	0.0060	0.0059	0.0059	0.0059	0.0059	0.0058	0.0058	0.0058	0.0054	0.0054	0.0054	0.0055

Month

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

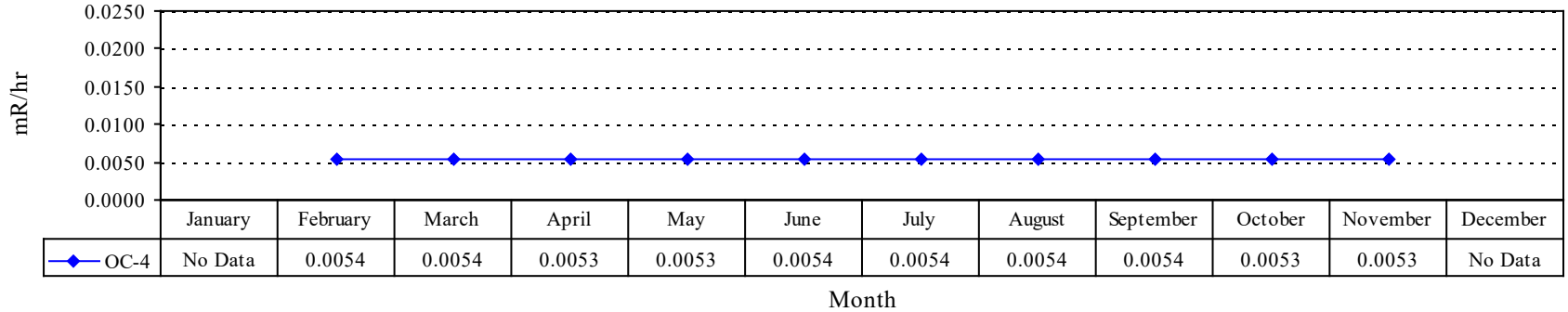
Oyster Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

OC 3
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-3	0.0062	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0060	0.0061	0.0061	0.0048

OC 04
2017 Ambient Radiation Levels



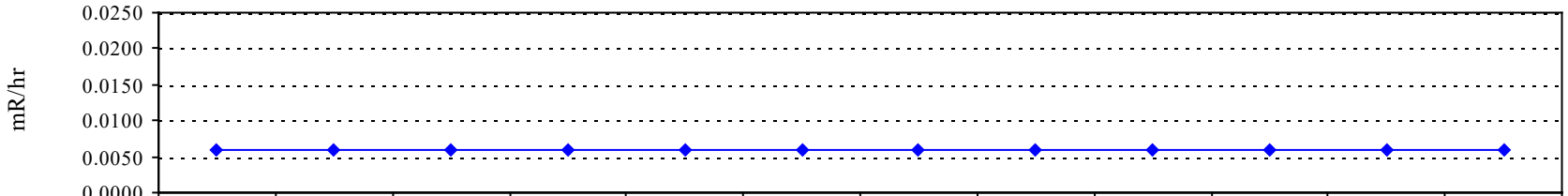
	January	February	March	April	May	June	July	August	September	October	November	December
OC-4	No Data	0.0054	0.0054	0.0053	0.0053	0.0054	0.0054	0.0054	0.0054	0.0053	0.0053	No Data

Blank months indicate "No Data Available"

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Oyster Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

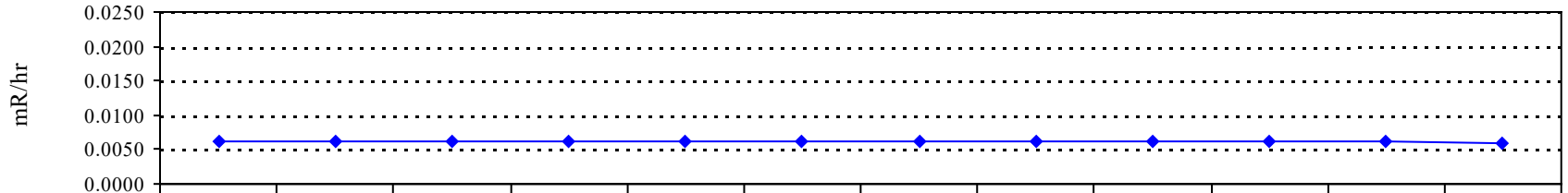
OC 5
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-5	0.0060	0.0060	0.0060	0.0059	0.0059	0.0059	0.0060	0.0059	0.0059	0.0059	0.0060	0.0060

Month

OC 6
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-6	0.0061	0.0062	0.0062	0.0061	0.0061	0.0061	0.0062	0.0061	0.0061	0.0061	0.0062	0.0059

Month

New Jersey Department of Environmental Protection
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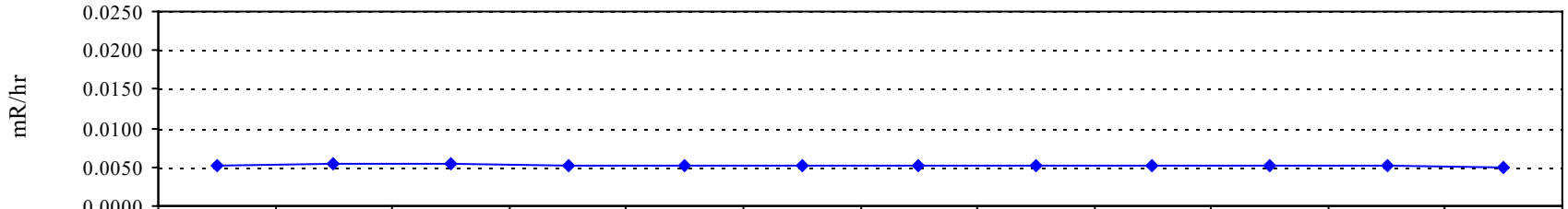
Oyster Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

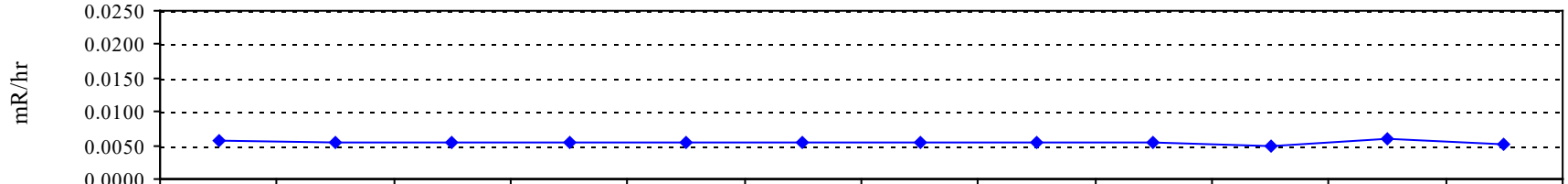
OC 7
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-7	0.0051	0.0054	0.0054	0.0053	0.0053	0.0052	0.0051	0.0051	0.0052	0.0053	0.0053	0.0050

Month

OC 8
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-8	0.0056	0.0055	0.0055	0.0054	0.0055	0.0055	0.0055	0.0055	0.0053	0.0050	0.0059	0.0051

Month

New Jersey Department of Environmental Protection
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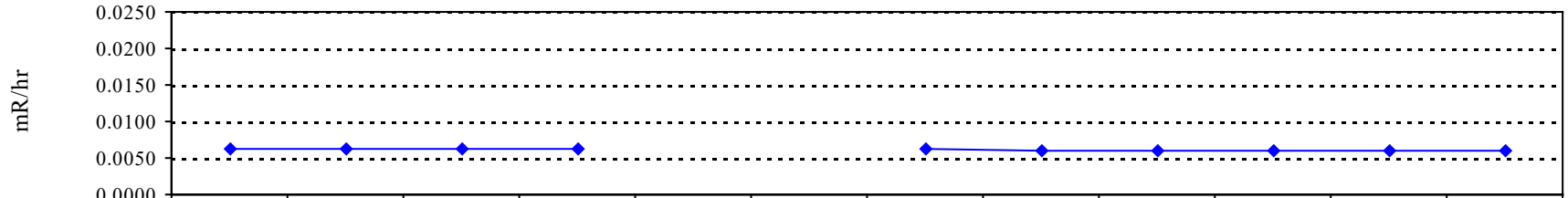
Oyster Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

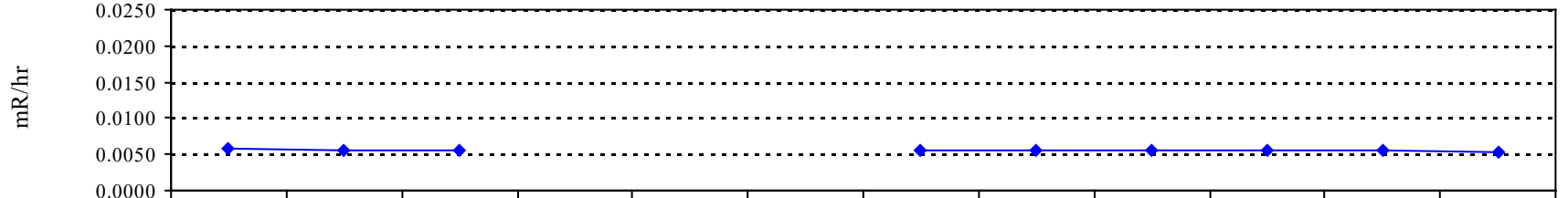
OC 9
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-09	0.0062	0.0062	0.0062	0.0062	No Data	No Data	0.0062	0.0061	0.0061	0.0061	0.0061	0.0061

Month

OC 10
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-10	0.0057	0.0056	0.0056	No Data	No Data	No Data	0.0056	0.0056	0.0055	0.0056	0.0056	0.0054

Month

Blank months indicate "No Data

New Jersey Department of Environmental Protection
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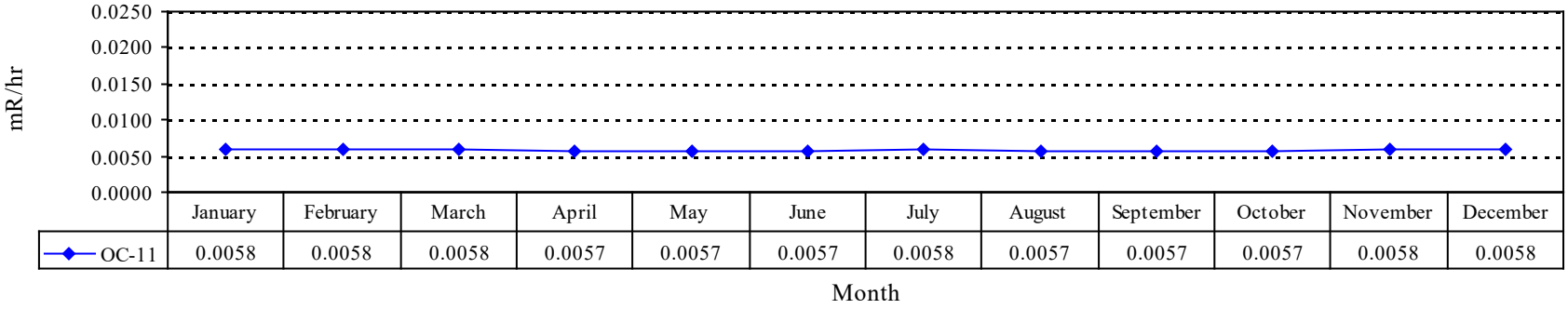
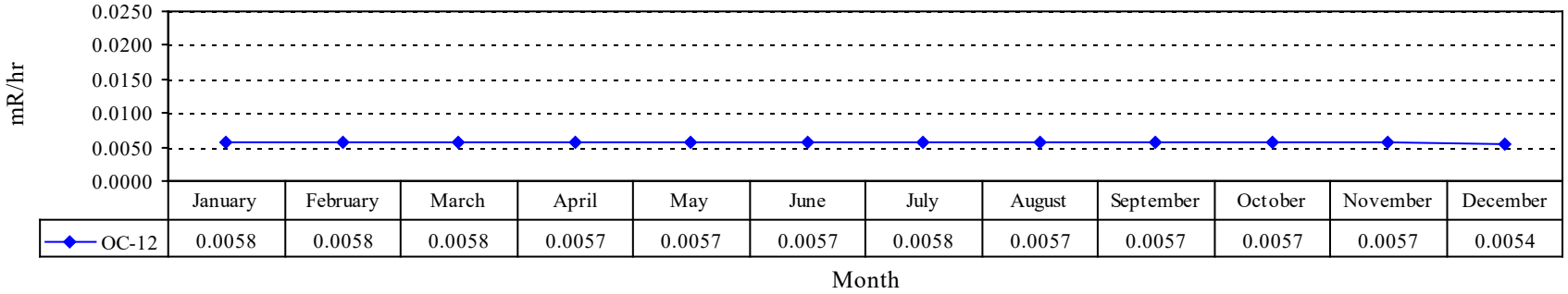
Oyster Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

OC 11
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-11	0.0058	0.0058	0.0058	0.0057	0.0057	0.0057	0.0058	0.0057	0.0057	0.0057	0.0058	0.0058

OC 12
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-12	0.0058	0.0058	0.0058	0.0057	0.0057	0.0057	0.0058	0.0057	0.0057	0.0057	0.0057	0.0054

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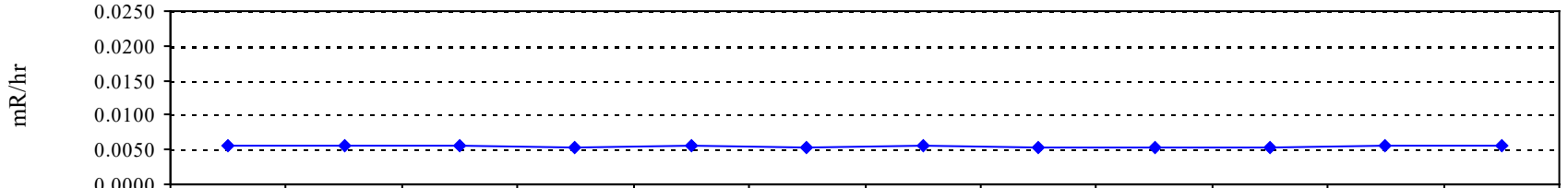
Oyster Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

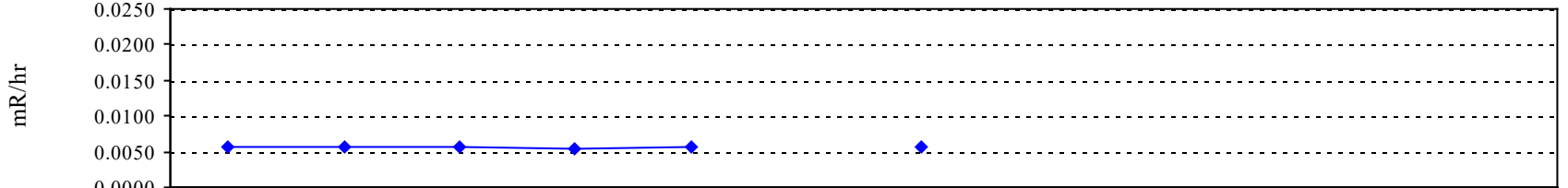
OC 13
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-13	0.0056	0.0055	0.0055	0.0054	0.0055	0.0054	0.0055	0.0054	0.0054	0.0054	0.0055	0.0055

Month

OC 14
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-14	0.0056	0.0056	0.0056	0.0055	0.0056	No Data	0.0057	No Data	No Data	No Data	No Data	No Data

Month

Blank months indicate "No Data

New Jersey Department of Environmental Protection
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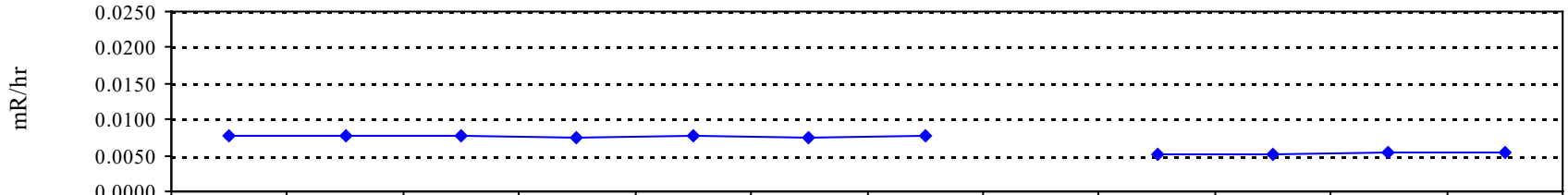
Oyster Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

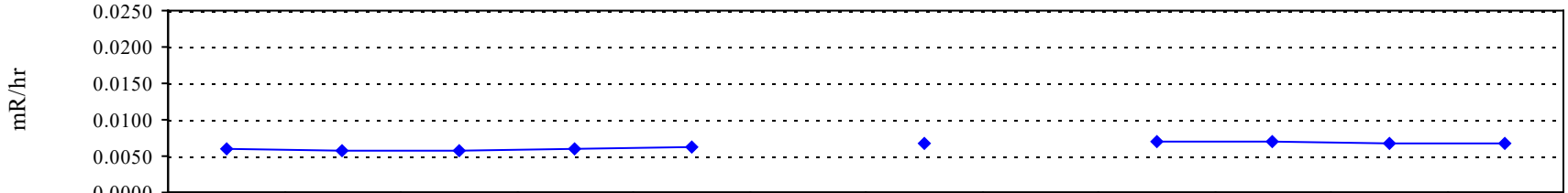
OC 15
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-15	0.0078	0.0077	0.0077	0.0076	0.0077	0.0076	0.0077	No Data	0.0052	0.0052	0.0053	0.0054

Month

OC 16
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
OC-16	0.0059	0.0058	0.0058	0.0061	0.0062	No Data	0.0068	No Data	0.0070	0.0069	0.0067	0.0068

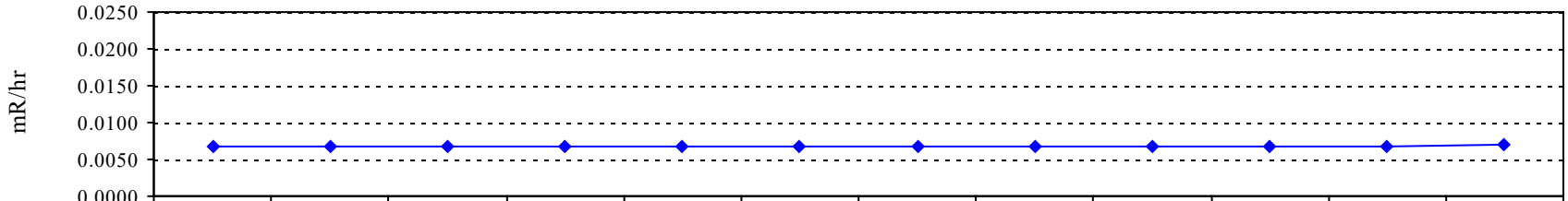
Month

Blank months indicate "No Data Available"

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

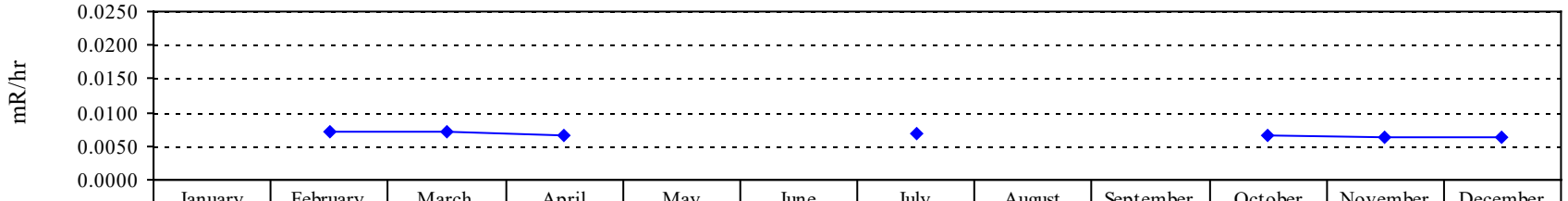
AI 1
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-1	0.0068	0.0068	0.0068	0.0067	0.0067	0.0067	0.0068	0.0068	0.0068	0.0068	0.0068	0.0069

Month

AI 2
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-2	No Data	0.0071	0.0071	0.0067	No Data	No Data	0.0069	No Data	No Data	0.0065	0.0064	0.0064

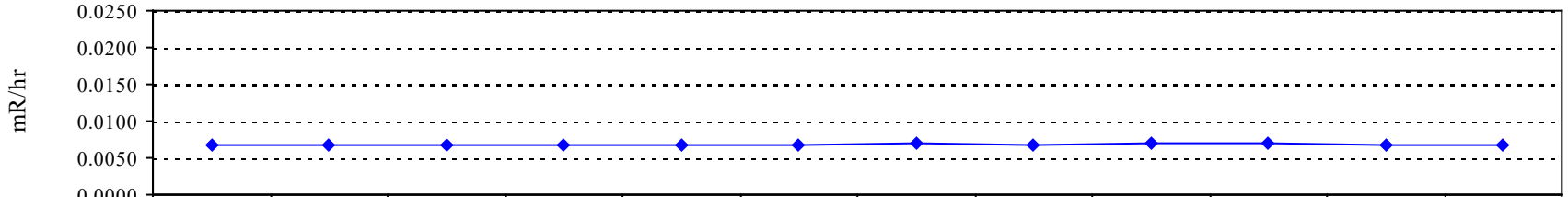
Month

Blank months indicate 'No Data Available'

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

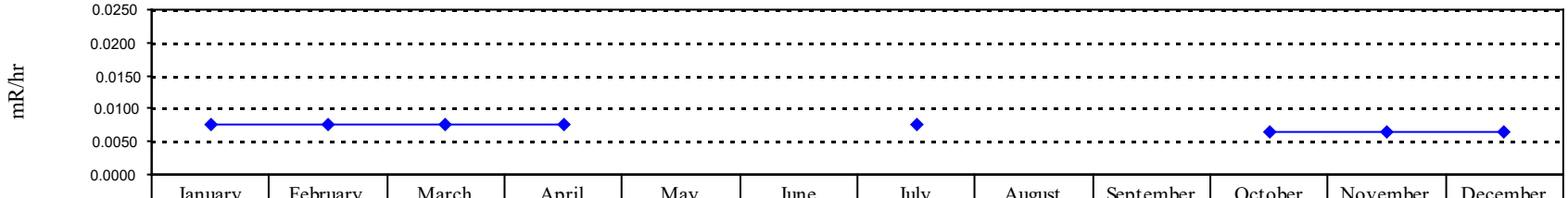
AI 3
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-3	0.0068	0.0068	0.0068	0.0067	0.0068	0.0068	0.0069	0.0068	0.0069	0.0069	0.0068	0.0068

Month

AI 4
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-4	0.0076	0.0076	0.0076	0.0075	No Data	No Data	0.0077	No Data	No Data	0.0065	0.0064	0.0064

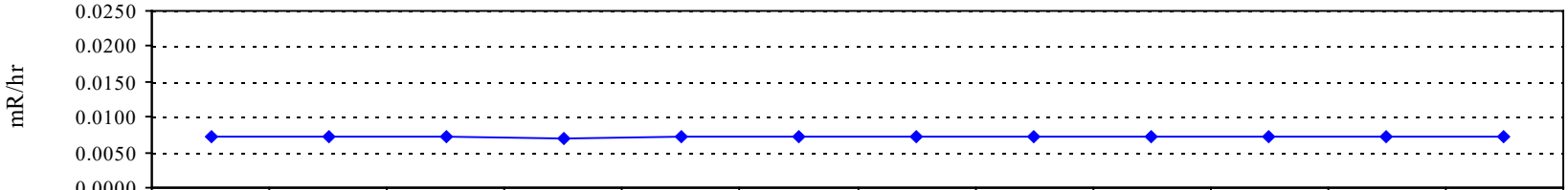
Month

Blank months indicate 'No Data Available'

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

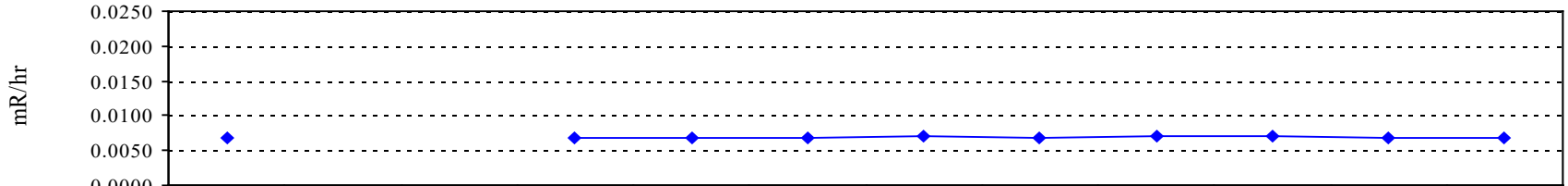
AI 5
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-5	0.0071	0.0072	0.0072	0.0070	0.0071	0.0071	0.0072	0.0071	0.0071	0.0072	0.0071	0.0072

Month

AI 6
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-06	0.0067	No Data	No Data	0.0068	0.0069	0.0069	0.0071	0.0069	0.0070	0.0070	0.0069	0.0069

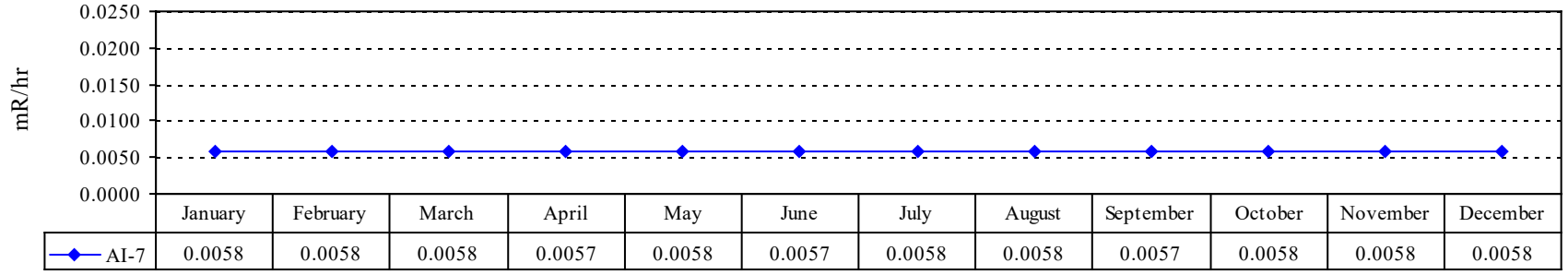
Month

Blank months indicate 'No Data Available'

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

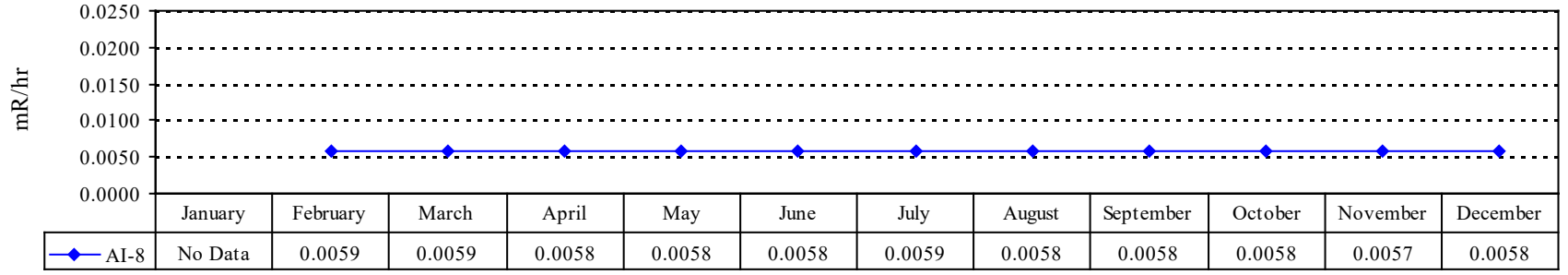
AI 7
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-7	0.0058	0.0058	0.0058	0.0057	0.0058	0.0057	0.0058	0.0058	0.0057	0.0058	0.0058	0.0058

Month

AI 8
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-8	No Data	0.0059	0.0059	0.0058	0.0058	0.0058	0.0059	0.0058	0.0058	0.0058	0.0057	0.0058

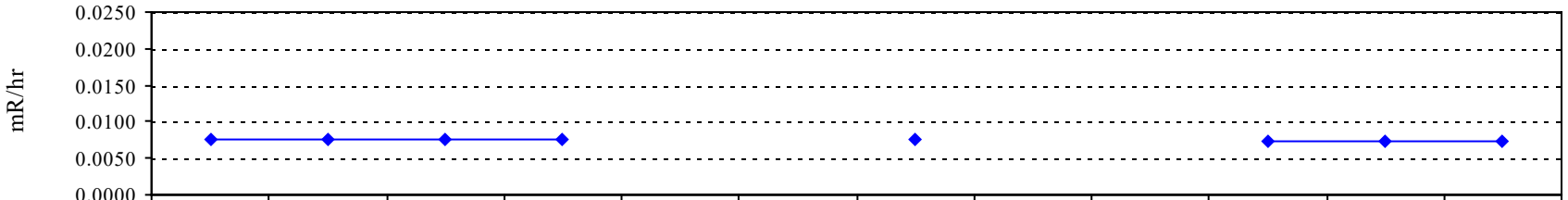
Month

Blank months indicate 'No Data Available'

New Jersey Department of Environmental Protection
Bureau of Nuclear Engineering
2017 Radiological Environmental Monitoring Program

Salem/Hope Creek – Continuous Radiological Environmental Surveillance Telemetry (CREST) Data

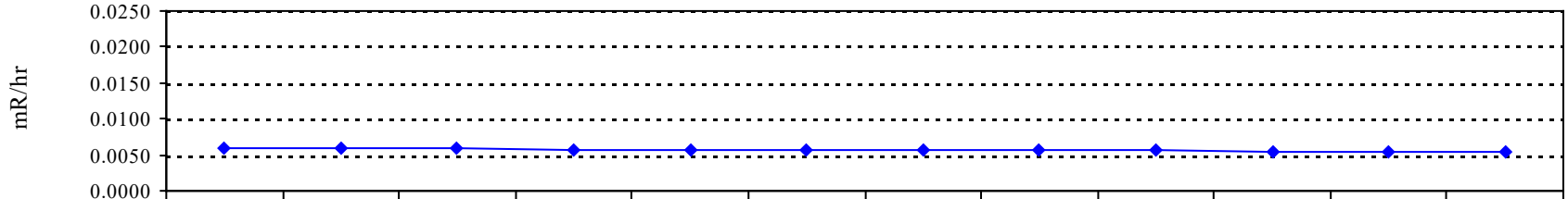
AI 9
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-9	0.0075	0.0075	0.0075	0.0075	No Data	No Data	0.0077	No Data	No Data	0.0074	0.0073	0.0073

Month

AI 10
2017 Ambient Radiation Levels



	January	February	March	April	May	June	July	August	September	October	November	December
AI-10	0.0058	0.0058	0.0058	0.0057	0.0056	0.0056	0.0057	0.0056	0.0056	0.0054	0.0053	0.0053

Month

Blank months indicate 'No Data Available'