

Table 3.2.14-1
OUIII BGRR
Strontium-90 Results from Geoprobe Samples

2019 BNL Groundwater Status Report

| Sample Interval (bls) | Geoprobe ID: | BGRR-GP-157 | BGRR-GP-158 | BGRR-GP-159 | BGRR-GP-160 |
|-----------------------|--------------|-------------|------------------|------------------|------------------|
| Analysis: | Sample Date: | 10/23/19 | 10/23-10/24/2019 | 10/22-10/23/2019 | 10/24-10/25/2019 |
| 36-40 | Strontium-90 | | | | |
| 40-44 | Strontium-90 | 278 | 44.8 | 29.1 | 56.2 |
| 44-48 | Strontium-90 | 16.4 | 32.1 | 22 | 87.7 |
| 48-52 | Strontium-90 | <MDA | <MDA | <MDA | 1.4 |
| 52-56 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |
| 56-60 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |
| 60-64 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |
| 64-68 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |
| 68-72 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |
| 72-76 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |
| 76-80 | Strontium-90 | <MDA | <MDA | <MDA | |
| 80-84 | Strontium-90 | | | | |
| 84-88 | Strontium-90 | | | | |
| 88-92 | Strontium-90 | | | | |
| 92-96 | Strontium-90 | | | | |
| 96-100 | Strontium-90 | | | | |
| 100-104 | Strontium-90 | | | | |
| 104-108 | Strontium-90 | | | | |
| 108-112 | Strontium-90 | | | | |
| 112-116 | Strontium-90 | | | | |
| 116-120 | Strontium-90 | | | | |
| 120-124 | Strontium-90 | | | | |
| 124-128 | Strontium-90 | | | | |
| 128-132 | Strontium-90 | | | | |

**Table 3.2.14-1
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Strontium-90 Results from Geoprobe Samples**

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| Geoprobe ID: | BGRR-GP-161 | BGRR-GP-162 | BGRR-GP-163 | BGRR-GP-164 | BGRR-GP-165 | BGRR-GP-166 | BGRR-GP-167 | BGRR-GP-168 | |
|-----------------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Sample Date: | 10/2-10/03/2019 | 9/30-10/01/2019 | 9/27-9/30/2019 | 9/25-9/26/2019 | 9/23-9/24/2019 | 9/19-9/20/2019 | 9/17-9/18/2019 | 9/12-9/16/2019 | |
| Sample Interval (bls) | Analysis: | | | | | | | | |
| 36-40 | Strontium-90 | | | | | | | | |
| 40-44 | Strontium-90 | | | | | | | | |
| 44-48 | Strontium-90 | | | | | | | | |
| 48-52 | Strontium-90 | | | | | | | | |
| 52-56 | Strontium-90 | | | | | | | | |
| 56-60 | Strontium-90 | | | | | | | | |
| 60-64 | Strontium-90 | | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 64-68 | Strontium-90 | 2.03 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 68-72 | Strontium-90 | 3.69 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 72-76 | Strontium-90 | 5.02 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 76-80 | Strontium-90 | 2.63 | 0.866 | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 80-84 | Strontium-90 | 0.761 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 84-88 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 88-92 | Strontium-90 | 1.24 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 92-96 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 96-100 | Strontium-90 | 2.22 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 100-104 | Strontium-90 | 1.25 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 104-108 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 108-112 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 112-116 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 116-120 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 120-124 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 124-128 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |
| 128-132 | Strontium-90 | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | <MDA | |

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Strontium-90 Results from Geoprobe Samples

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| | Geoprobe ID: | BGRR-GP-95 | BGRR-GP-96 | BGRR-GP-97 | BGRR-GP-132 |
|-----------------------|--------------|------------------|------------------|------------------|-----------------|
| | Sample Date: | 10/17-10/18/2019 | 10/09-10/11/2019 | 10/14-10/15/2019 | 10/7-10/08/2019 |
| Sample Interval (bls) | Analysis: | | | | |
| 36-40 | Strontium-90 | | | | |
| 40-44 | Strontium-90 | | | | |
| 44-48 | Strontium-90 | | | | |
| 48-52 | Strontium-90 | | | | |
| 52-56 | Strontium-90 | | | | |
| 56-60 | Strontium-90 | | | | |
| 60-64 | Strontium-90 | | | | |
| 64-68 | Strontium-90 | | | | |
| 68-72 | Strontium-90 | 1.06 | <MDA | <MDA | <MDA |
| 72-76 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |
| 76-80 | Strontium-90 | 4.12 | 2.73 | <MDA | <MDA |
| 80-84 | Strontium-90 | 25.9 | 9.85 | <MDA | 0.758 |
| 84-88 | Strontium-90 | 39.1 | 10.5 | 1.81 | <MDA |
| 88-92 | Strontium-90 | 46.1 | 20.9 | 8.72 | 2.85 |
| 92-96 | Strontium-90 | 20.5 | 32.2 | 4.03 | 13.7 |
| 96-100 | Strontium-90 | 3.72 | 39.7 | 7.2 | 14.2 |
| 100-104 | Strontium-90 | <MDA | 18.9 | 8.11 | 14.8 |
| 104-108 | Strontium-90 | <MDA | 4.58 | 7.58 | 32.1 |
| 108-112 | Strontium-90 | <MDA | <MDA | 6.57 | 15.6 |
| 112-116 | Strontium-90 | 0.59 | <MDA | 9.86 | 5.21 |
| 116-120 | Strontium-90 | <MDA | <MDA | 3.36 | 1.75 |
| 120-124 | Strontium-90 | <MDA | <MDA | 11 | <MDA |
| 124-128 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |
| 128-132 | Strontium-90 | <MDA | <MDA | <MDA | <MDA |