

# ENVIRONMENTAL MONITORING PLAN MATRIX FOR CALENDAR YEAR 2024

| Sampling Location  | Reporting to Regulators | Reporting to Departments | Lead Organization | Sample Type        | Analysis/Frequency   |
|--|-------------------------|--------------------------|-------------------|--------------------|--|
| <b><i>Air Monitoring: Surveillance - Radiological, Particulate Filter (See Chapters 5 and 6)</i></b> |                         |                          |                   |                    |  |
| P2, P4, P7, P9, NYSDOH   | SER                     | SER                      | EPD               | Weekly Composite   | Gross alpha/beta - sampled and analyzed weekly   |
| BLIP and Bldg. 801   | SER                     | SER                      | EPD               | Weekly Composite   | Gross alpha/beta - sampled and analyzed weekly<br>Bldg. 801 - Alpha and Gamma spectroscopy, sampled and analyzed monthly                       |
| HWM 865 – FLT-101, -102, -107, -108  | SER                     | SER                      | EPD               | On Request         | Gross alpha/beta, gamma – Only on request by Waste Management  |
| <b><i>Air Monitoring: Surveillance - Radiological, Gamma Monitor (See Chapter 6)</i></b>             |                         |                          |                   |                    |  |
| P2, P4, P7, P9, BLIP, Bldg. 801  | SER                     | SER                      | EPD               | Continuous         | Real-time gamma monitoring using detector and electronics<br>BLIP, Bldg. 801 - effluent monitored actively, real time for gamma-emitting gases |
| <b><i>Air Emissions: Compliance, Non-Radiological (See Chapter 5)</i></b>                            |                         |                          |                   |                    |  |
| CSF – Boiler #6 Stack  | SER/QES                 | Yes                      | EU                | Continuous         | Opacity - continuous emissions monitoring  |
| CSF – Boiler #6 Stack  | SER/QES                 | Yes                      | EU                | Continuous         | NO <sub>x</sub> , CO <sub>2</sub> , CO - continuous emissions monitoring   |
| CSF – Boiler #7 Stack  | SER/QES                 | Yes                      | EU                | Continuous         | NO <sub>x</sub> , CO <sub>2</sub> , CO - continuous emissions monitoring   |
| CSF – Boiler #7 Stack  | SER/QES                 | Yes                      | EU                | Continuous         | Opacity - continuous emissions monitoring  |
| CSF – Tank Nos. 4, 9, and 10   | SER/QES                 | Yes                      | EU                | Quarterly          | Sulfur and nitrogen fuel content - quarterly analysis if fuel is delivered   |
| Satellite Boiler Fuel Storage Tanks  | SER/QES                 | Yes                      | EU                | Quarterly          | Sulfur content – quarterly analysis if fuel is delivered   |
| CSF - Boiler #1A Stack   | SER/STR                 | Yes                      | EU                | Performance Test   | NO <sub>x</sub> TSP - every five years   |
| CSF- Boiler #5 Stack   | SER/STR                 | Yes                      | EU                | Performance Test   | NO <sub>x</sub> TSP - every five years   |
| CSF - Boiler #6 Stack  | SER/STR                 | Yes                      | EU                | Performance Test   | TSP - every five years   |
| CSF - Boiler #7 Stack  | SER/STR                 | Yes                      | EU                | Performance Test   | TSP - every five years   |
| Used AC Shop Compressor Oil and Collider Accelerator Waste Separator Oil                             | SER/QES                 | Yes                      | EU                | 3-4 times per year | Cadmium, arsenic, lead, chromium, sulfur, PCBs, total halogens, flashpoint, and gross heat content - sampled and analyzed as needed            |
| CSF – Tank Nos. 4, 9, and 10   | SER/QES                 | Yes                      | EU                | Quarterly          | Sulfur and nitrogen fuel content - quarterly analysis  |
| Satellite Boiler Fuel Storage Tanks  | SER/QES                 | Yes                      | EU                | Quarterly          | Sulfur content - quarterly analysis if fuel is delivered   |
| Used AC Shop compressor oil and Collider Accelerator waste separator oil                             | SER/QES                 | Yes                      | EU                | 3-4 times per year | Cadmium, arsenic, lead, chromium, sulfur, PCBs, total halogens, flashpoint, and gross heat content - sampled and                               |

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|   |                         |                          |                   |                     | analyzed as needed  |
| <b>Air Emissions: Surveillance - Radiological, Silica Gel (See Chapters 5 and 6)</b>  |                         |                          |                   |                     |   |
| P2, P4, P7, P9  | SER                     | SER                      | EPD               | Silica Gel          | Tritium biweekly  |
| BLIP  | SER                     | SER                      | EPD               | Silica Gel          | Tritium - sampled weekly  |
| HFBR T-Tube   | SER                     | As Required              | EPD               | Silica gel          | Tritium - sampled monthly   |
| <b>Air Emissions: Surveillance - Radiological, Charcoal (See Chapters 5 and 6)</b>  |                         |                          |                   |                     |   |
| Building 801  | SER, EPA                | SER                      | EPD               | Charcoal            | Isotopes of noble gases – sampled monthly   |
| <b>Ambient Air: Surveillance - Radiological, Off-Site TLD Exchange - BNL Personnel (See Chapter 7)</b>  |                         |                          |                   |                     |   |
| 000-TLD9, 000-TLD10, 200-TLD1, 200-TLD5, 700-TLD4, 800-TLD1, 900-TLD2, 900-TLD5, 900-TLD7, 999-TLD1, and 999-TLD2   | SER                     | SER                      | EPD               | External Dose       | Beta/gamma - exchanged quarterly  |
| <b>Ambient Air: Surveillance - Radiological, TLD Exchange - On-Site Locations (See Chapter 7)</b>   |                         |                          |                   |                     |   |
| P4, S6, P7, P2, S5, 011-TLD1, 013-TLD1, 025-TLD1, 025-TLD4, 027-TLD1, 027-TLD2, 030-TLD1, 034-TLD2, 036-TLD1, 036-TLD2, 037-TLD1, 043-TLD1, 043-TLD2, 044-TLD1, 044-TLD2, 044-TLD3, 044-TLD5, 045-TLD1, 045-TLD2, 045-TLD4, 045-TLD5, 049-TLD1, 053-TLD1, 054-TLD1, 054-TLD 2, 054-TLD3, 055-TLD1, 055-TLD2, 063-TLD1, 065-TLD1, 066-TLD1, 073-TLD1, 074-TLD1, 074-TLD2, 075-TLD3, 075-TLD5, 080-TLD1, 082-TLD1, 084-TLD1, 085-TLD1, 085-TLD2, 085-TLD3, 086-TLD1, 086-TLD2, 086-TLD3, 088-TLD1, 088-TLD2, 088-TLD3, 088-TLD4, 090-TLD1, 095-TLD1, 096-TLD1, 105-TLD1, 108-TLD1, 108-TLD2, 111-TLD1, 122-TLD1, 126-TLD1, 025-TLD-N2, 034-TLD-N1, 034-TLD-N2, 042-TLD-N1, 042-TLD-N2, 043-TLD-N1, 043-TLD-N2, 054-TLD-N1, 054-TLD-N2, 054-TLD-N3, 064-TLD-N1 | SER                     | SER                      | EPD               | Quarterly           | Beta/gamma - exchanged and analyzed quarterly; neutron chip TLD - exchanged quarterly |
| <b>Ambient Air: Surveillance - Radiological, TLD Exchange - Off Site Facilities (See Chapter 7)</b>   |                         |                          |                   |                     |   |
| 000-TLD-5, 400-TLD1, 600-TLD4, 800-TLD3, 800-TLD4   | SER                     | SER                      | EPD               | Quarterly Composite | Beta/gamma exchanged and analyzed quarterly   |
| <b>Precipitation: Surveillance (See Chapter 8)</b>  |                         |                          |                   |                     |   |
| P4, S5  | SER                     | SER                      | EPD               | Monthly Composite   | Low-level mercury, and water quality - sampled and analyzed once per quarter          |
| <b>Flora and Fauna: Surveillance - On-Site Terrestrial Sampling (See Chapter 8)</b>   |                         |                          |                   |                     |   |
| Soil  | SER/IAG                 | SER                      | EPD               | Grab                | Gamma - concurrent sampling with vegetation   |

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|---|-------------------------|--------------------------|-------------------|-----------------------|---|
| Vegetation  | SER/IAG                 | SER                      | EPD               | Grab                  | Gamma – ten to 12 random locations  |
| Deer - on site  | SER                     | SER                      | EPD               | Grab Sample           | Gamma analysis on meat and liver - 25 samples, as available   |
| Deer - off site   | SER                     | SER                      | EPD               | Grab Sample           | Gamma analysis on meat and liver - 40 samples, as available   |
| Soil/Sediment - Recharge Basins   | SER                     | SER                      | EPD               | Grab Sample           | Gamma, S-VOCs, TAL - Metals, PCBs - ten samples for CY 2027   |
| <b>Flora and Fauna: Surveillance - Off-Site Terrestrial Sampling (See Chapter 8)</b>                |                         |                          |                   |                       |   |
| Fish  | SER                     | SER                      | EPD               | Grab Sample - fillets | Gamma, mercury, and PCBs analysis (on site only) - 30 samples, as conditions and fish populations allow - three locations (BNL, Lower Lake, Carmans River), priority of analysis for on-site samples of mercury, PCBs, and gamma. |
| Surface Water   | SER                     | SER                      | EPD               | Grab                  | TAL metals, nutrients, water quality parameters - Meadow Marsh and Wooded Wetland   |
| <b>Water - SPDES: Compliance (See Chapter 9)</b>  |                         |                          |                   |                       |   |
| STP Influent (12 months/year)   | DMR                     | Yes                      | EPD               | 24 hr. Composite      | TAL metals - sampled and analyzed twice per month   |
| STP Effluent (12 months/year)   | DMR                     | Yes                      | EPD               | 24 hr. Composite      | TAL metals, TDS, total phosphorous, nitrogen series, HEDP, TTA - sampled and analyzed twice per month   |
| STP Effluent (12 months/year)   | DMR                     | Yes                      | EPD               | Grab Sample           | VOCs (EPA 624) and ketones, low-level mercury (EPA 1631), cyanide - sampled and analyzed twice per month  |
| STP Effluent (Daily)  | DMR                     | Yes                      | EU                | Grab Sample           | Temperature, pH, flow - sampled and analyzed daily  |
| HN, HT-W, HS, CSF, HT-E, HW, Bldg. 1004/1002-Outfall 002B (monthly)                                 | DMR                     | Yes                      | EPD               | Grab Sample           | Oil /grease and pH (VOCs EPA 624, HW only) - sampled and analyzed monthly   |
| HX (monthly)  | DMR                     | Yes                      | EPD/EU            | Grab Sample           | Flow (EP totalizer) and pH  |
| HN, HT-W, HT-E, HW, CSF, HS, Bldg. 1004/1002-Outfall 002B (quarterly)                               | DMR                     | Yes                      | EPD               | Grab Sample           | HEDP, TTA, VOCs (EPA 624) at HN, TAL Metals at HN, HS, CSF, and HW (filtered) - sampled and analyzed quarterly  |
| Bldg. 498 Central Cleaning Facility (quarterly)   | DMR                     | Yes                      | EPD/EU            | Grab Sample           | pH, Semi-VOCs (EPA 625), TAL metals, flow - sampled and analyzed quarterly  |
| Bldg. 902 Cooling Tower (quarterly)   | DMR                     | Yes                      | EPD/CA            | Grab Sample           | pH, flow (CA), PPGMBE - sampled and analyzed quarterly  |
| HS, HO, HN, HT-W, HT-E, HM-N, HM-S, HQ, HZ, Outfall 002B (Flow circular chart/strip chart exchange) | SER                     | SER                      | EPD               | Grab Sample           | Flow readings collected weekly - HO, HZ, HM-S, HM-N, and HQ surveillance only; not reported to regulators   |
| <b>Recharge Basins: Surveillance (See Chapter 9)</b>  |                         |                          |                   |                       |   |
| HT-E, HT-W  | SER                     | SER                      | EPD               | 24 Hr. Composite      | Metals (filtered/unfiltered), anions, gross alpha/beta, tritium, and gamma - sampled and analyzed semiannually  |
| HN, HS  | SER                     | SER                      | EPD               | 24 Hr. Composite      | Anions, gross alpha/beta, tritium, and gamma – sampled and analyzed semiannually  |

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| Sampling Location   | Reporting to Regulators | Reporting to Departments | Lead Organization | Sample Type             | Analysis/Frequency  |
|---|-------------------------|--------------------------|-------------------|-------------------------|---|
| HT-E, HT-W, HS, HO, HZ  | SER                     | SER                      | EPD               | Grab Sample             | VOCs (EPA 624) - sampled and analyzed semiannually  |
| HZ, HO  | SER                     | SER                      | EPD               | Grab Sample             | Metals (filtered/unfiltered), anions, gross alpha/beta, tritium, and gamma – sampled and analyzed semiannually                        |
| HW  | SER                     | SER                      | EPD               | Grab Sample             | Anions, gross alpha/beta, tritium, and gamma – sampled and analyzed semiannually  |
| CSF   | SER                     | SER                      | EPD               | Grab Sample             | Anions, VOCs (EPA 624) - sampled and analyzed semiannually  |
| <b>Sewage Treatment Plant: Surveillance (See Chapter 9)</b>         |                         |                          |                   |                         |   |
| EA  | SER                     | SER                      | EPD               | Composite               | Sr-90 and gamma - sampled weekly and composited by contract analytical laboratory for monthly analysis                                |
|   | SER                     | SER                      | EPD               | Composite               | Gross alpha/beta, tritium - sampled and analyzed weekly   |
| DA  | SER                     | SER                      | EPD               | Composite               | Sr-90 and gamma - sampled weekly and composited by contract analytical laboratory for monthly analysis                                |
|   | SER                     | SER                      | EPD               | Composite               | Gross alpha/beta, tritium - sampled and analyzed weekly   |
| <b>Miscellaneous Monitoring (See Chapter 9)</b>                     |                         |                          |                   |                         |   |
| MH #192, STP influent and effluent to the primary clarifier         | NA                      | NA                       | EPD               | Daily Performance Check | Sewer line radiological monitors daily performance checked with Cs-137 button source  |
| <b>Surface Water - Peconic River: Surveillance (See Chapter 10)</b> |                         |                          |                   |                         |   |
| HY (outside RHIC Ring)  | SER                     | SER                      | EPD               | Grab Sample             | Gross alpha/beta, gamma, tritium, Sr-90, metals (filtered/unfiltered), anions, VOCs (EPA 624) - sampled and analyzed semiannually     |
| HV (inside RHIC Ring)   | SER                     | SER                      | EPD               | Grab Sample             | Gross alpha/beta, gamma, tritium, Sr-90 - sampled and analyzed semiannually   |
| HM-S  | SER                     | SER                      | EPD               | Grab Sample             | Metals (filtered/unfiltered), anions, VOCs (EPA 624), Sr-90, gross alpha/beta, gamma, and tritium - sampled and analyzed semiannually |
| HQ  | SER                     | SER                      | EPD               | 24 Hr. Composite        | Metals (filtered/unfiltered), anions - sampled and analyzed quarterly   |
| HQ  | SER                     | SER                      | EPD               | 24 Hr. Composite        | Sr-90, gamma- sampled and analyzed quarterly  |
|   | SER                     | SER                      | EPD               | 24 Hr. Composite        | Gross alpha/beta, tritium - sampled and analyzed quarterly  |
|   | SER                     | SER                      | EPD               | Grab Sample             | VOCs (EPA 624) - sampled and analyzed quarterly   |
| HH  | SER                     | SER                      | EPD               | Grab Sample             | Metals (filtered/unfiltered), anions, VOCs (EPA 624), gross alpha/beta, gamma, and tritium - sampled and analyzed semiannually        |

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| Sampling Location  | Reporting to Regulators | Reporting to Departments | Lead Organization | Sample Type | Analysis/Frequency  |
|--|-------------------------|--------------------------|-------------------|-------------|---|
| <b>Potable Water: Compliance (See Chapter 11)</b>                      |                         |                          |                   |             |   |
| Potable Wells 7, 10, 11, and 12  | WTPR                    | Yes                      | EPD               | Grab Sample | Gross alpha/beta, gamma, tritium, Cs-137, Sr-90 - sampled and analyzed quarterly                      |
| Potable Wells 7, 10, 11, and 12  | WTPR                    | Yes                      | EU                | Grab Sample | Water quality (alkalinity/calcium) - sampled and analyzed biannually                                  |
| Potable Wells 7, 10, 11, 12, and Water Treatment Facility              | WTPR                    | Yes                      | EU                | Grab Sample | Inorganic chemicals (IOC Groups 1, 2, 3, 4) – sampled and analyzed annually                           |
| Potable Wells 7, 10, 11, 12, and GAC systems                           | WTPR                    | Yes                      | EU                | Grab Sample | Tolytriazole (TTA) sampled quarterly  |
| Potable Well 7 and Water Treatment Facility                            | WTPR                    | Yes                      | EU                | Grab Sample | Iron sampled and analyzed quarterly   |
| Potable Wells 7, 10, 11, 12, GAC systems, and Water Treatment Facility | WTPR                    | Yes                      | EU                | Grab Sample | Principle Organic Contaminants (EPA 502.2) - sampled and analyzed annually                            |
| Potable Wells 7, 10, 11,12, GAC systems, and Water Treatment Facility  | WTPR                    | Yes                      | EU                | Grab Sample | Bacteriology - sampled and analyzed quarterly   |
| Potable Water Distribution System                                      | WTPR                    | Yes                      | EU                | Grab Sample | Bacteriology - sampled and analyzed at seven locations monthly  |
|  | WTPR                    | Yes                      | EU                | Grab Sample | Water Quality - sampled and analyzed quarterly at three locations                                     |
|  | WTPR                    | Yes                      | EU                | Grab Sample | Inorganic chemicals (IOC 1, 2, 3, 4), Nitrate/Nitrite, THMs, HAA5 - sampled and analyzed semiannually |
|  | WTPR                    | Yes                      | EU                | Grab Sample | Asbestos - sampled and analyzed once per year   |
|  | WTPR                    | Yes                      | EU                | Grab Sample | Lead and Copper - sampled and analyzed annually at 20 locations                                       |
| Potable Wells 10, 11, 12, and Water Treatment Facility                 | WTPR                    | Yes                      | EU                | Grab Sample | Hexavalent Chromium – sampled and analyzed annually   |
| Potable Wells 10, 11, 12, and Water Treatment Facility                 | WTPR                    | Yes                      | EU                | Grab Sample | 1,4 dioxane – sampled and analyzed quarterly  |
| Potable Wells 7, 10, 11,12, and Water Treatment Facility               | WTPR                    | Yes                      | EU                | Grab Sample | SOCs - sampled and analyzed once per year   |

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| Sampling Location   | Reporting to Regulators | Reporting to Departments | Lead Organization | Sample Type | Analysis/Frequency  |
|---|-------------------------|--------------------------|-------------------|-------------|---|
| Potable Wells 7, 10, 11, 12, GAC systems, and Water Treatment Facility                      | WTPR                    | Yes                      | EU                | Grab Sample | Perfluoroalkyl substances (PFASs) – sampled and analyzed quarterly  |
| Points of Entry   | WTPR                    | Yes                      | EU                | Grab Sample | Temperature, conductivity, and pH - sampled and analyzed biweekly by operating personnel  |
| <b>Groundwater: Compliance (See Chapter 12)</b>   |                         |                          |                   |             |   |
| Major Petroleum Facility (8 wells)  | MPF License<br>SER/GMR  | Yes                      | EPD               | Grab Sample | VOCs (EPA 8260) and Semi-VOCs (EPA 8270) - sampled and analyzed semiannually  |
|   | MPF License             | Yes                      | EPD               | Grab Sample | Floating product check monthly  |
| Waste Management Facility (8 wells)   | RCRA Permit/SER/GMR     | Yes                      | EPD               | Grab Sample | VOCs (EPA 8260), tritium, gamma, gross alpha/beta - sampled and analyzed semi-annually  |
| STP (8 wells)   | SER/GMR<br>DMR          | SER/GMR                  | EPD               | Grab Sample | Metals (unfiltered) annually  |
| g-2 (5 wells)   | SER/GMR                 | SER/GMR                  | EPD               | Grab Sample | Tritium in wells immediately downgradient of source - sampled and analyzed semiannually. Other AGS surveillance wells located downgradient of Building 912 are sampled and analyzed for tritium annually. |
| BLIP (4 wells)  | SER/GMR                 | SER/GMR                  | EPD               | Grab Sample | Tritium - sampled and analyzed semiannually to annually   |
| <b>Groundwater: Surveillance (See Chapter 12)</b>   |                         |                          |                   |             |   |
| BMRR (4 wells)  | SER/GMR                 | SER/GMR                  | EPD               | Grab Sample | Sampling program is suspended starting in 2024.   |
| RHIC (13 wells)   | SER/GMR                 | SER/GMRI                 | EPD               | Grab Sample | Tritium - sampled and analyzed semiannually   |
| NSLS-II (6 wells)   | SER/GMR                 | SER/GMR                  | EPD               | Grab Sample | Tritium - sampled and analyzed annually   |
| AGS (48 wells)  | SER/GMR                 | SER/GMR                  | EPD               | Grab Sample | Tritium - sampled and analyzed annually   |
| Motor Pool Facility (2 wells)   | SER/GMR                 | SER/GMR                  | EPD               | Grab Sample | VOCs - sampled and analyzed annually and checked for floating product annually  |
| <b>Groundwater: Environmental Restoration - Long Term Response Actions (See Chapter 12)</b> |                         |                          |                   |             |   |
| Site Background (9 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed annually  |
| Current Landfill (12 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed quarterly to annually. Anions, metals, cyanide - sampled and analyzed semiannually; Gamma, tritium, Sr-90 - analyzed annually   |
| OU X Former Firehouse (42 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | 1,4-dioxane, PFAS/PFOA semiannually to quarterly  |

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| OU III Middle Road (33 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed annually to quarterly   |
| OU VI Ethylene Dibromide (23 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | EDB - sampled and analyzed annually to quarterly  |
| Chemical/Animal Holes (29 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | Sr-90 - sampled and analyzed annually to semiannually   |
| OU I South Boundary (30 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs, Sr-90 - sampled and analyzed annually to quarterly  |
| OU III North Street (7 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs – sampled annually   |
| William Floyd Sentinel monitoring (6 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs, Sr-90, tritium, gamma, 1,4-dioxane, PFAS/PFOA sampled and analyzed quarterly  |
| OU III Building 96 (34 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed annually to quarterly   |
| OU III South Boundary (33 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed annually to quarterly   |
| OU X Current Firehouse (77 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | 1,4-dioxane, PFAS/PFOA semiannually to quarterly  |
| OU III Western South Boundary (35 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed annually to quarterly   |
| OU III Magothy (21 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed annually to quarterly   |
| OU III (BGRR/WCF Sr-90) (74 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | Sr-90, tritium, and Cs-137 - sampled and analyzed monthly to annually. VOCs sampled annually                                |
|   |                         |                          |                   |             |   |
| OU III – HFBR (10 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | Tritium - sampled and analyzed quarterly  |
| OU III –Industrial Park (40 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed annually and quarterly  |
| OU IV – AOC 6 (24 wells)  | SER/GMR                 | NA                       | EPD               | Grab Sample | Sr-90 - sampled and analyzed annually to semiannually   |
| OU III Long Island Power Authority (17 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed quarterly   |
| OU III North Street East (12 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed annually. EDB sampled and analyzed quarterly and semi-annually                                  |
| OU III Airport (31 wells)   | SER/GMR                 | NA                       | EPD               | Grab Sample | VOCs - sampled and analyzed quarterly and semi-annually   |
| <b>Landfill Gas and Surface Leachate Monitoring (See Chapter 13)</b>  |                         |                          |                   |             |   |
| BNL Landfills, Soil Gas Monitoring - Current Landfill (58 sampling points) & Former Landfill (24 sampling points) | ALMR                    | NA                       | EPD               | Grab Sample | Methane and hydrogen sulfate - sampled and analyzed quarterly for the Current Landfill and annually for the Former Landfill |

Note: See Appendix A for acronym definitions.