

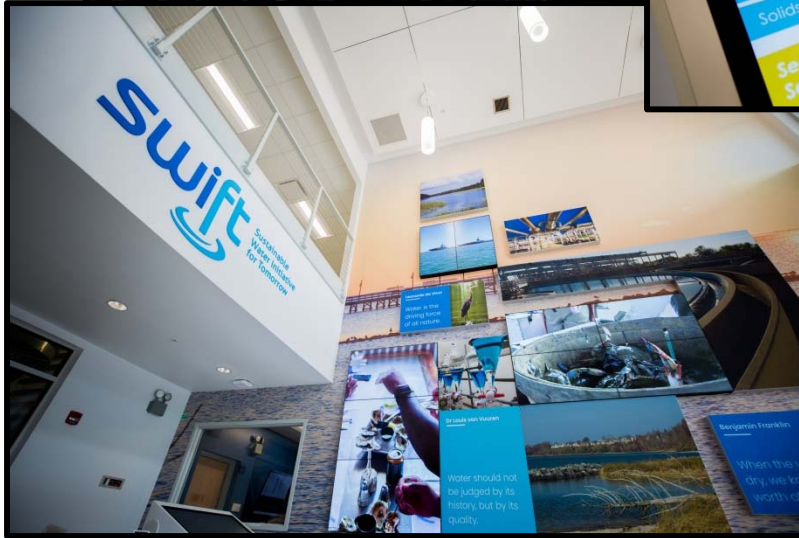
One Initiative – Many Benefits





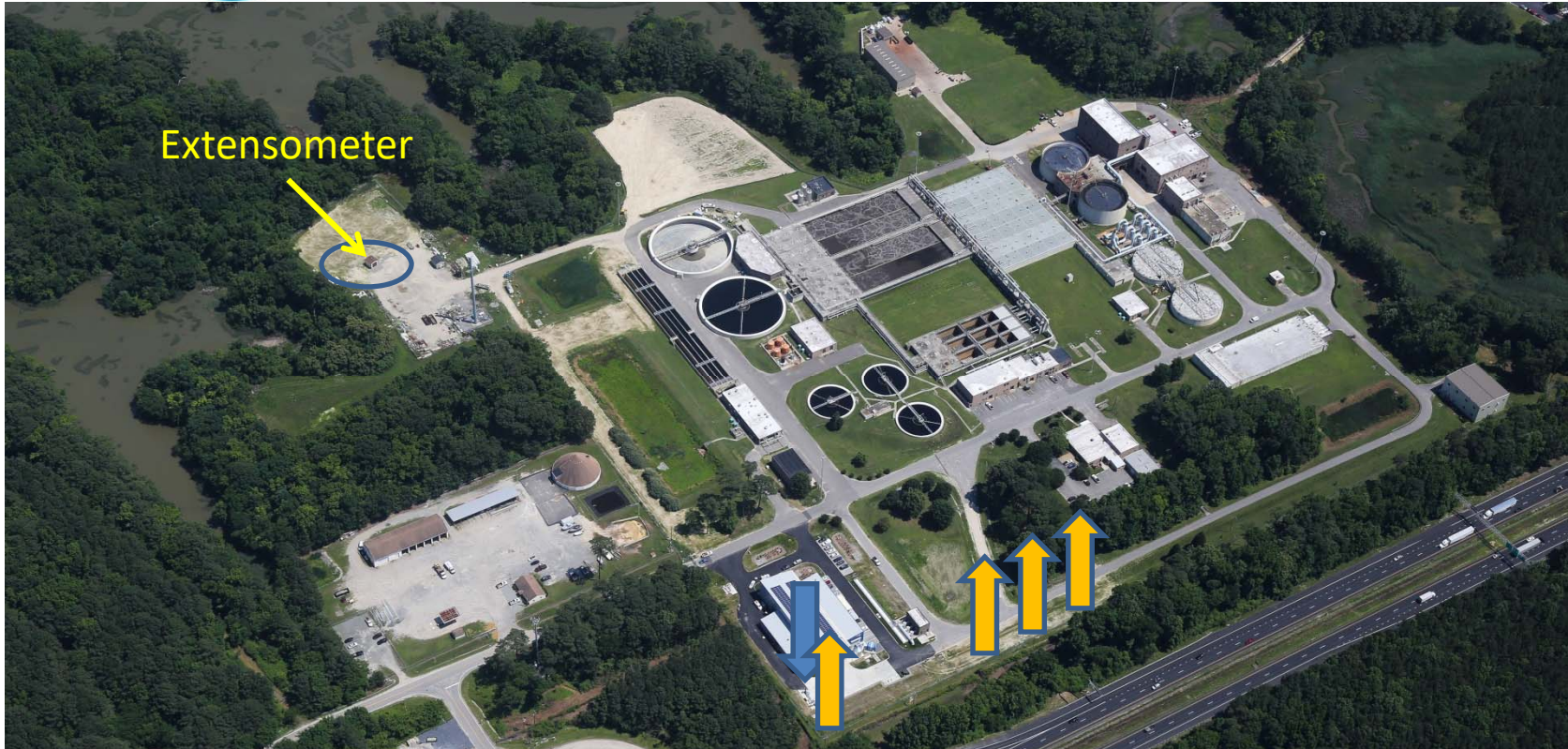
Sustainable Water Initiative for Tomorrow





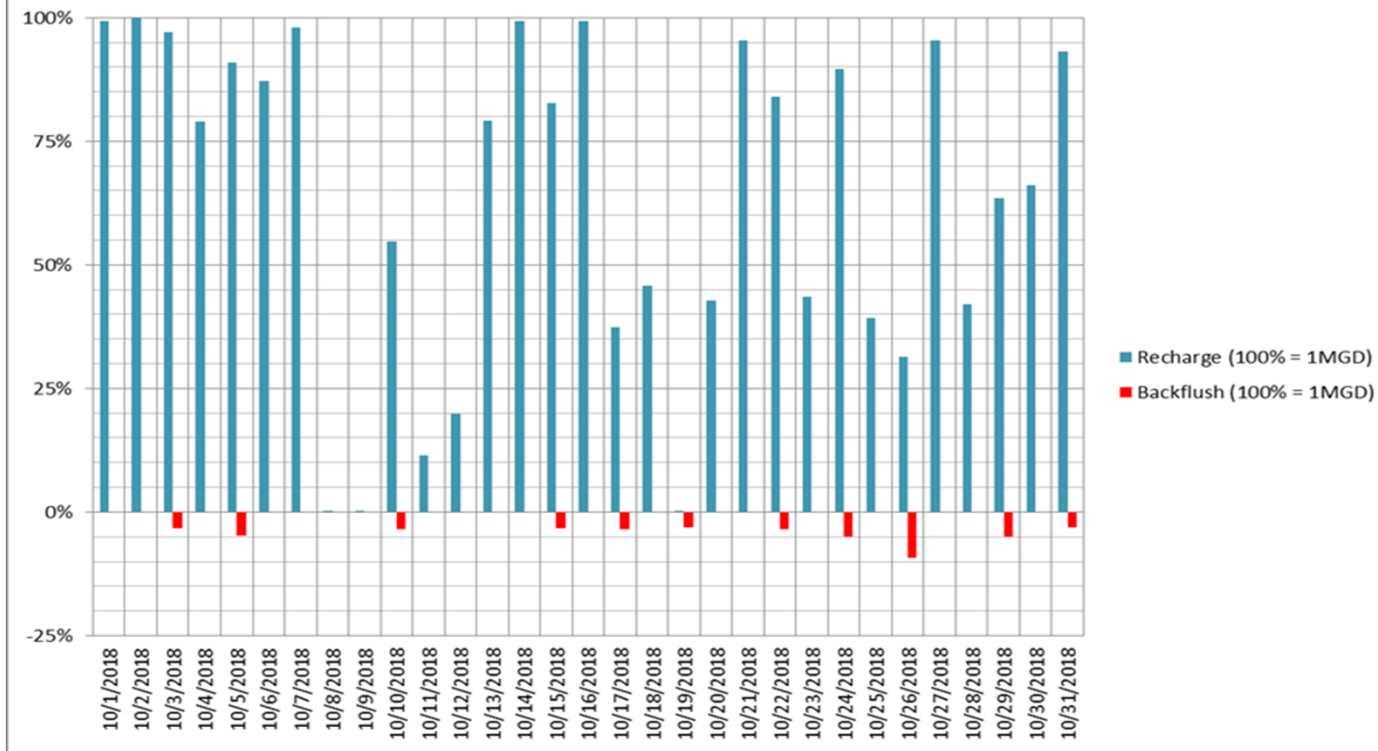
Sustainable Water Initiative for Tomorrow







Total Recharge October: 19.8 MG
Total Backflush October: 0.47 MG
October Average: 0.64 MGD





| Parameter | May | June | July | August | SWIFT Water Target |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|
| Total Nitrogen, mg/L | 3.1 Avg; 4.0 Max | 4.0 Avg; 5.2 Max | 3.2 Avg; 3.5 Max | 4.2 Avg; 5.7 Max | 5 mg/L Monthly Average; 8 mg/L Daily Maximum |
| Total Organic Carbon (TOC), mg/L | 0.53 Avg; 3.1 Max | 0.37 Avg; 0.56 Max | 0.50 Avg; 0.57 Max | 1.3 Avg; 1.4 Max | 4 mg/L Monthly Average; 6 mg/L Maximum |
| Nitrite, mg/L | 0.34 Avg; 0.92 Max | 0.82 Avg; 1.35 Max | 0.05 Avg; 0.27 Max | 0.04 Avg; 0.32 Max | 1 |
| Bromate, ug/L | 0.150 | 1.97 | 2.17 | 3.14 | 10 |
| Antimony, ug/L | <0.20 | 0.21 | <1.00 | ND | 6 |
| Arsenic, ug/L | 0.98 | 0.41 | 0.40 | ND | 10 |
| Barium, mg/L | 0.01 | 0.01 | 0.01 | <0.005 | 2 |
| Fluoride, mg/L | 0.88 | 0.70 | 1.0 | 0.91 | 4.0 |
| TDS, mg/L | 622 | 666 | 719 | 632 | NA |



Unregulated Chemical Constituents – Early SWIFT Results

| Chemical | Criterion ¹ | Carbon-based Train FW Conc. | Notes |
|---------------|------------------------|--|---|
| Cotinine | 1 µg/L | <0.010 µg/L ² | Surrogate for low MW, partially charged cyclics |
| Primidone | 10 µg/L | < 0.005 µg/L ² | |
| Phenyltoin | 2 µg/L | No data | |
| Meprobamate | 200 µg/L | < 0.005 µg/L ² | High occurrence in WWTP effluent |
| Atenolol | 4 µg/L | < 0.005 µg/L ² | |
| Carbamazepine | 10 µg/L | < 0.005 µg/L ² | Unique structure |
| Estrone | 320 µg/L | < 0.005 µg/L ² | Surrogate for steroids |
| Sucralose | 150 mg/L | Range: <0.1 to 61 µg/L (GAC1) Range: <0.1 to 0.32 µg/L (GAC2) | Surrogate for water soluble, uncharged chemicals, moderate MW |
| Triclosan | 2100 µg/L | <0.010 µg/L ² | Chemical of interest |

1. In most cases, criterion based on drinking water equivalent concentration for lowest therapeutic dose divided by 1,000 or 10,000 to provide a safety factor.
2. Based on 8 samples in finished water



Unregulated Chemical Constituents – Early SWIFT Results

| Chemical | Criterion | Carbon-based Train Conc. | Notes |
|-------------------|------------------|-----------------------------|---------------------------------|
| 1,4-Dioxane | 1 µg/L | 0.34-0.39 µg/L ¹ | CCL3; CA Notification limit |
| 17-B-estradiol | TBD (ng/L range) | <0.005 µg/L ² | CCL3 |
| DEET | 200 µg/L | <0.010 µg/L ² | Minnesota Health guidance value |
| Ethinyl Estradiol | TBD (ng/L range) | <0.005 µg/L ² | CCL3 |
| NDMA | 10 ng/L | 6.6 -14 ng/L ³ | CCL3; CA Notification limit |
| Perchlorate | 6 µg/L | < 4 µg/L ⁴ | CA Notification limit |
| PFOA +PFOS | 70 ng/L | < 60 ng/L ⁵ | USEPA Health Advisory |
| TCEP | 5 µg/L | <0.010 µg/L ² | Minnesota Health guidance value |



Table 5: SWIFT Water Quality and LRV Compliance

| Parameter | Units | MCL | Detection Limit ¹ | Required Monitoring Frequency | MAY | | JUNE | | JULY | | AUGUST | |
|---|------------|----------|------------------------------|-------------------------------|---|---------------------|---|---------------------|---|---------------------|---|---------------------|
| | | | | | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum |
| Regulatory Parameters | | | | | | | | | | | | |
| Total Nitrogen (TN) | mg/L | - | 0.50 | Daily | 3.15 (16) | 4.03 | 3.70 (29) | 5.21 | 3.48 (30) | 5.48 | 4.98 (13) | 7.36 |
| NO ₃ | mg/L | 10 | 0.01 | Daily | 2.14 (16) | 2.83 | 2.54 (28) | 3.17 | 3.00 (30) | 4.39 | 4.04 (13) | 5.15 |
| NO ₂ | mg/L | 1 | 0.01 | Daily | 0.43 (16) | 0.92 | 0.82 (28) | 1.35 | 0.05 (30) | 0.27 | 0.02 (13) | 0.07 |
| Turbidity | NTU | 1 NTU | | Continuous | See Figure 1 | | | | | | | |
| Total Organic Carbon (TOC) | mg/L | - | 0.10 | 3x/Wk | 0.26 (6) | 0.32 | 0.37 (12) | 0.56 | 0.84 (13) | 1.26 | 1.50 (7) | 1.68 |
| pH | | 6.5-8.5 | | Continuous | See Figure 2 | | | | | | | |
| TDS | mg/L | 500 | 2.5 | Monthly | | 671 | | 738 | | 719 | | 632 |
| Microorganisms | | | | | | | | | | | | |
| Total Coliform ³ | MPN/100 mL | 0 | 1 | Daily | <1 (14) | <1 | <1 (26) | <1 | <1 (29) | <1 | <1 (12) | <1 |
| E. coli | MPN/100 mL | 0 | 1 | Weekly | <1 (2) | <1 | <1 (2) | <1 | <1 (3) | <1 | <1 (4) | <1 |
| Cryptosporidium | oocysts/L | 0 | 0.095 | Quarterly | | | | | <0.095 (2) | <0.095 | | |
| Giardia lamblia | oocysts/L | 0 | 0.095 | Quarterly | | | | | <0.095 (2) | <0.095 | | |
| Legionella | MPN/100 mL | 0 | 10 | Quarterly | | | | | | <10 | | |
| Disinfection Byproducts | | | | | | | | | | | | |
| Bromate | µg/L | 10 | 0.15 | Monthly ⁴ | | 0.150 | | 1.97 | | 2.17 | | 3.14 |
| Chlorite | mg/L | 1 | 0.100 | Monthly | | <0.100 | | <0.300 | | <0.100 | | <0.100 |
| Trihalomethanes | | | | | | | | | | | | |
| Bromodichloromethane | µg/L | 0 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Bromoform | µg/L | 0 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Chloroform | µg/L | 70 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Dibromochloromethane | µg/L | 60 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| HAAs | | | | | | | | | | | | |
| Dichloroacetic acid | µg/L | 0 | 1 | Monthly | | <1 | | <1 | | <0.2 | | <1 |
| Trichloroacetic acid | µg/L | 20 | 1 | Monthly | | <1 | | <1 | | <0.5 | | <1 |
| Monochloroacetic acid | µg/L | 70 | 2 | Monthly | | <2 | | <2 | | <2 | | <2 |
| Bromoacetic acid | µg/L | - | 1 | Monthly | | <1 | | <1 | | <0.3 | | <1 |
| Dibromoacetic acid | µg/L | - | 1 | Monthly | | <1 | | <1 | | <0.3 | | <1 |
| Disinfectants | | | | | | | | | | | | |
| Monochloramine (as Cl ₂) ⁵ | mg/L | 4 (mg/L) | | Continuous | 0.521 | | 0.654 | | 0.304 | | 0.113 | |
| Chlorine (as Cl ₂) ⁵ | mg/L | 4 (mg/L) | | Continuous | 0.523 | | 0.636 | | 0.449 | | 0.202 | |

HRSD SWIFTRC Quarterly Report: Recharge Operations from May 15 – August 31, 2018

September 18, 2018 Page 6 of 15



FT Water Quality and LRV Compliance

| Parameter | Units | MCL | Detection Limit | Required Monitoring Frequency | MAY | | JUNE | | JULY | | AUGUST | |
|----------------------------|-------|-----|-----------------|-------------------------------|---|---------------------|---|---------------------|---|---------------------|---|---------------------|
| | | | | | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum |
| Inorganic Chemicals | | | | | | | | | | | | |
| Antimony | µg/L | 6 | 2.00 | Monthly | | <2.00 | | 0.21 | | <1.00 | | <2.00 |
| Arsenic | µg/L | 10 | 0.10 | Monthly | | 0.98 | | 0.41 | | 0.40 | | <1.00 |
| Asbestos | MFL | 7 | 0.2 | Monthly | | <0.18 | | <0.2 | | <0.2 | | <0.2 |
| Barium | mg/L | 2 | 0.005 | Monthly | | 0.008 | | 0.005 | | 0.005 | | <0.005 |
| Beryllium | µg/L | 4 | 0.10 | Monthly | | <0.10 | | <0.10 | | <0.10 | | <0.50 |
| Cadmium | µg/L | 5 | 0.10 | Monthly | | <0.10 | | <0.10 | | <0.10 | | <0.50 |
| Chromium (total) | µg/L | 100 | 2.00 | Monthly | | <2.00 | | <2.00 | | <2.00 | | <1.00 |
| Copper | mg/L | 1.3 | 0.005 | Monthly | | <0.005 | | <0.005 | | <0.005 | | <0.005 |
| Cyanide (total) | mg/L | 0.2 | 0.010 | Monthly | | <0.010 | | <0.010 | | <0.010 | | <0.010 |
| Fluoride | mg/L | 4 | 0.05 | Monthly | | 0.88 | | 0.70 | 1.01 (21) | 1.15 | 0.90 (13) | 1.04 |
| Lead | µg/L | 15 | 0.10 | Monthly | | <0.10 | | <0.10 | | <0.10 | | <1.00 |
| Mercury | µg/L | 2 | 0.10 | Monthly | | <0.10 | | <0.10 | | <0.10 | | <0.10 |
| Selenium | µg/L | 50 | 5.00 | Monthly | | <5.00 | | <5.00 | | <5.00 | | <25.00 |
| Thallium | µg/L | 2 | 0.10 | Monthly | | <0.10 | | <0.10 | | <0.10 | | <0.50 |
| Organic Chemicals | | | | | | | | | | | | |
| Acrylamide | µg/L | 0 | 0.1 | Monthly | | Footnote 6 | <0.1 | <0.1 | | <0.1 | | <0.1 |
| Alachlor | µg/L | 200 | 0.05 | Monthly | | <0.05 | | <0.05 | | <0.05 | | <0.05 |
| Atrazine | µg/L | 300 | 0.05 | Monthly | | <0.05 | | <0.05 | | <0.05 | | <0.05 |
| Benzo(a)pyrene (PAHs) | µg/L | 0.2 | 0.02 | Monthly | | <0.02 | | <0.02 | | <0.02 | | <0.02 (LE) |
| Di(2-ethylhexyl) adipate | µg/L | 400 | 0.6 | Monthly | | <0.6 | | <0.6 | | <0.6 | | <0.6 |
| Di(2-ethylhexyl) phthalate | µg/L | 6 | 0.6 | Monthly | | <0.6 | | <0.6 | | <0.6 | | <0.6 |
| Hexachlorocyclopentadiene | µg/L | 50 | 0.05 | Monthly | | <0.05 | | <0.05 | | <0.05 | | <0.05 |
| Hexachlorobenzene | µg/L | 1 | 0.05 | Monthly | | <0.05 | | <0.05 | | <0.05 | | <0.05 |
| Simazine | µg/L | 4 | 0.05 | Monthly | | <0.05 | | <0.05 | | <0.05 | | <0.05 |
| Carbofuran | µg/L | 40 | 0.5 | Monthly | | Footnote 6 | | <0.5 | | <0.5 | | <0.5 |
| Oxamyl (Vydate) | µg/L | 200 | 0.5 | Monthly | | Footnote 6 | | <0.5 | | <0.5 | | <0.5 |
| Chlordane | µg/L | 200 | 0.1 | Monthly | | <0.1 | | <0.1 | | <0.1 | | <0.1 |
| Endrin | µg/L | 2 | 0.01 | Monthly | | <0.01 | | <0.01 | | <0.01 | | <0.01 |





Water Quality and LRV Compliance

| Parameter | Units | MCL | Detection Limit ¹ | Required Monitoring Frequency | MAY | | JUNE | | JULY | | AUGUST | |
|----------------------------------|-------|-----|------------------------------|-------------------------------|---|---------------------|---|---------------------|---|---------------------|---|---------------------|
| | | | | | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum |
| Heptachlor | µg/L | 0.4 | 0.01 | Monthly | | <0.01 | | <0.01 | | <0.01 | | <0.01 |
| Heptachlor Epoxide | µg/L | 0.2 | 0.01 | Monthly | | <0.01 | | <0.01 | | <0.01 | | <0.01 |
| Lindane | µg/L | 0.2 | 0.01 | Monthly | | <0.01 | | <0.01 | | <0.01 | | <0.01 |
| Methoxychlor | µg/L | 40 | 0.05 | Monthly | | <0.05 | | <0.05 | | <0.05 | | <0.05 |
| Toxaphene | µg/L | 3 | 0.5 | Monthly | | <0.5 | | <0.5 | | <0.5 | | <0.5 |
| AR1016 | µg/L | 0.5 | 0.08 | Monthly | | <0.08 | | <0.08 | | <0.08 | | <0.08 |
| AR1221 | µg/L | 0.5 | 0.1 | Monthly | | <0.1 | | <0.1 | | <0.1 | | <0.1 |
| AR1232 | µg/L | 0.5 | 0.1 | Monthly | | <0.1 | | <0.1 | | <0.1 | | <0.1 |
| AR1242 | µg/L | 0.5 | 0.1 | Monthly | | <0.1 | | <0.1 | | <0.1 | | <0.1 |
| AR1248 | µg/L | 0.5 | 0.1 | Monthly | | <0.1 | | <0.1 | | <0.1 | | <0.1 |
| AR1254 | µg/L | 0.5 | 0.1 | Monthly | | <0.1 | | <0.1 | | <0.1 | | <0.1 |
| AR1260 | µg/L | 0.5 | 0.1 | Monthly | | <0.1 | | <0.1 | | <0.1 | | <0.1 |
| Polychlorinated biphenyls (PCBs) | µg/L | 0.5 | 0.68 | Monthly | | <0.68 | | <0.68 | | <0.68 | | <0.68 |
| 2,4-D | µg/L | 70 | 0.1 | Monthly | | Footnote 6 | | <0.1 | | <0.1 | | <0.1 |
| Dalapon | µg/L | 200 | 1.0 | Monthly | | Footnote 6 | | <1 | | <1 | | <1 |
| Picloram | µg/L | 500 | 0.1 | Monthly | | Footnote 6 | | <0.1 | | <0.1 | | <0.1 |
| 2,4,5-TP (Silvex) | µg/L | 50 | 0.2 | Monthly | | Footnote 6 | | <0.2 | | <0.2 | | <0.2 |
| Dinoseb | µg/L | 7 | 0.2 | Monthly | | Footnote 6 | | <0.2 | | <0.2 | | <0.2 |
| Pentachlorophenol | µg/L | 1 | 0.04 | Monthly | | Footnote 6 | | <0.04 | | <0.04 | | <0.04 |
| Dioxin (2,3,7,8-TCDD) | pg/L | 30 | 5.0 | Monthly | | Footnote 6 | | <5.0 | | <3.8 | | <5.0 |
| Diquat | µg/L | 20 | 0.4 | Monthly | | <0.4 | | <0.4 | | <0.4 | | <0.4 |
| Endothall | µg/L | 100 | 5 | Monthly | | Footnote 6 | | <5 | | <5 | | <5 |
| Epichlorohydrin | µg/L | 0 | 0.4 | Monthly | | <0.4 | | <0.4 | | <0.4 | | <0.4 |
| Glycophosphate | µg/L | 700 | 6 | Monthly | | Footnote 6 | | <6 | | <6 | | <6 |
| Benzene | µg/L | 5 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Carbon Tetrachloride | µg/L | 5 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |

HRSD SWIFTRC Quarterly Report: Recharge Operations from May 15 – August 31, 2018
September 18, 2018 Page 8 of 15



Water Quality and LRV Compliance

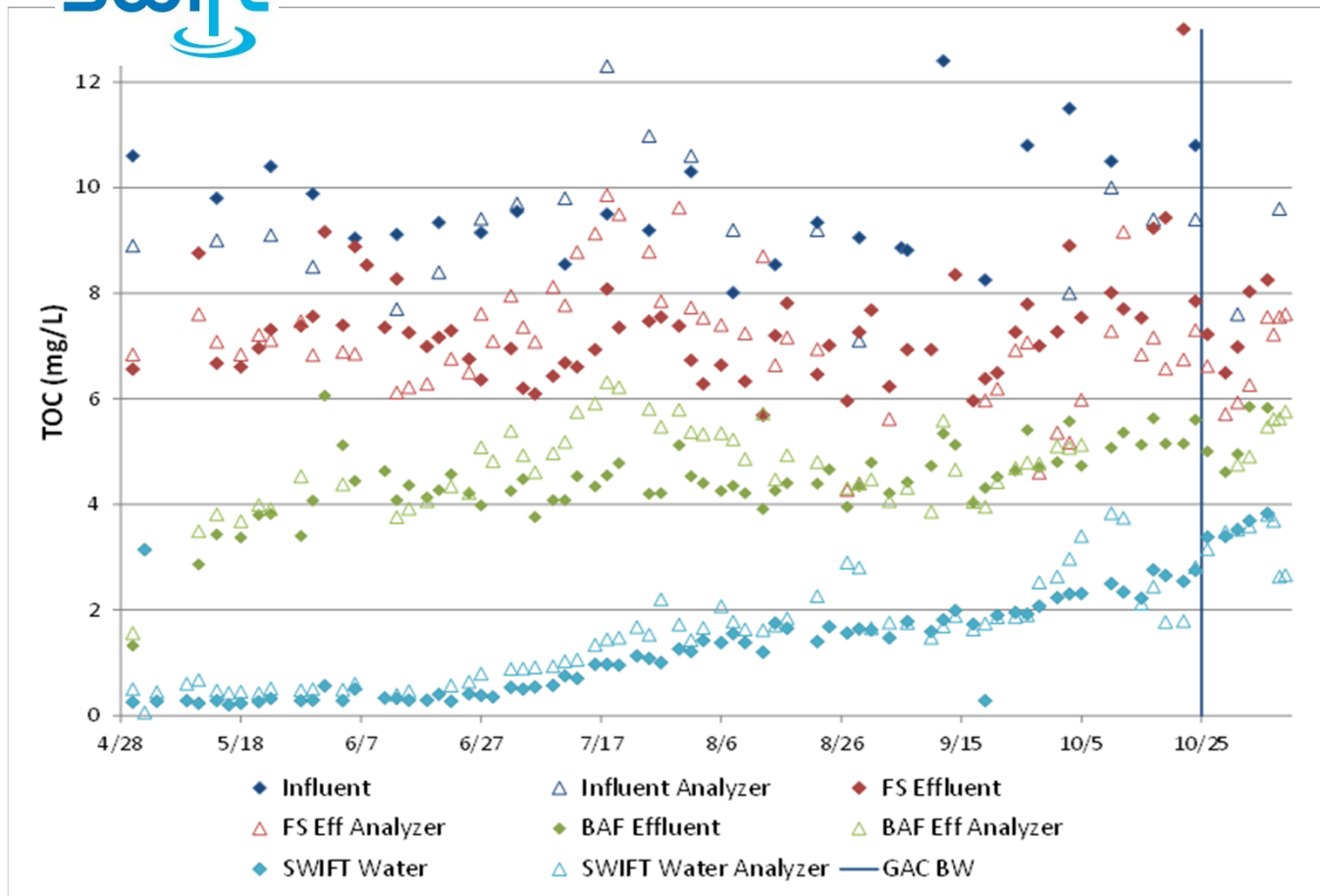
| Parameter | Units | MCL | Detection Limit ¹ | Required Monitoring Frequency | MAY | | JUNE | | JULY | | AUGUST | |
|------------------------------------|-------|-------------------|------------------------------|-------------------------------|---|---------------------|---|---------------------|---|---------------------|---|---------------------|
| | | | | | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum |
| Chlorobenzene | µg/L | 100 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| 1,2-dibromo-3-chloropropane (DBCP) | µg/L | 0.2 | 0.020 | Monthly | | <0.020 | | <0.020 | | <0.020 | | <0.020 |
| o-Dichlorobenzene | µg/L | 600 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| p-Dichlorobenzene | µg/L | 75 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| 1,2-Dichloroethane | µg/L | 7 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| 1,1-Dichloroethylene | µg/L | 70 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| cis-1,2-Dichloroethylene | µg/L | 70 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| trans-1,2-Dichloroethylene | µg/L | 100 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Dichloromethane | µg/L | 5 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| 1,2-Dichloropropane | µg/L | 5 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Ethylbenzene | µg/L | 700 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Ethylene Dibromide (EDB) | µg/L | 0.05 | 0.020 | Monthly | | <0.20 | | <0.20 | | <0.20 | | <0.20 |
| Styrene | µg/L | 100 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Tetrachloroethylene | µg/L | 5 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Toluene | µg/L | 1,000 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| 1,2,4-Trichlorobenzene | µg/L | 70 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| 1,1,1-Trichloroethane | µg/L | 200 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| 1,1,2-Trichloroethane | µg/L | 5 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Trichloroethylene | µg/L | 5 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Vinyl Chloride | µg/L | 2 | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| p/m-Xylene | µg/L | - | 2.00 | Monthly | | <2.00 | | <2.00 | | <2.00 | | <2.00 |
| o-Xylene | µg/L | - | 1.00 | Monthly | | <1.00 | | <1.00 | | <1.00 | | <1.00 |
| Total Xylene | µg/L | 10,000 | 3.00 | Monthly | | <3.00 | | <3.00 | | <3.00 | | <3.00 |
| Radionuclides | | | | | | | | | | | | |
| Alpha particles | pCi/L | 15 | 3 | Monthly | | <3 | | <3 | | <3 | | <3 |
| Beta particles and photon emitters | pCi/L | 4 (milli-rems/yr) | 3 | Monthly | | 16 | | 18 | | 18 | | 15 |
| Radium 226 | pCi/L | 5 | 0.1 | Monthly | | <0.928 | | <1 (L2) | | <1 (B1) | | <1 |
| Radium 228 | pCi/L | 5 | 0.1 | Monthly | | <0.864 | | <1 (L1) | | <1 (B1) | | <1 |
| Uranium | µg/L | 30 | 0.100 | Monthly | | <0.100 | | <0.100 | | <0.100 | | <0.100 |
| Strontium-90 | pCi/L | - | varies | Monthly | | <1.61 | | <0.595 | | <0.514 | | <0.548 |
| Tritium | pCi/L | - | 346 | Monthly | | Footnote 6 | | <346 | | Footnote 7 | <332 (2) | <332 |

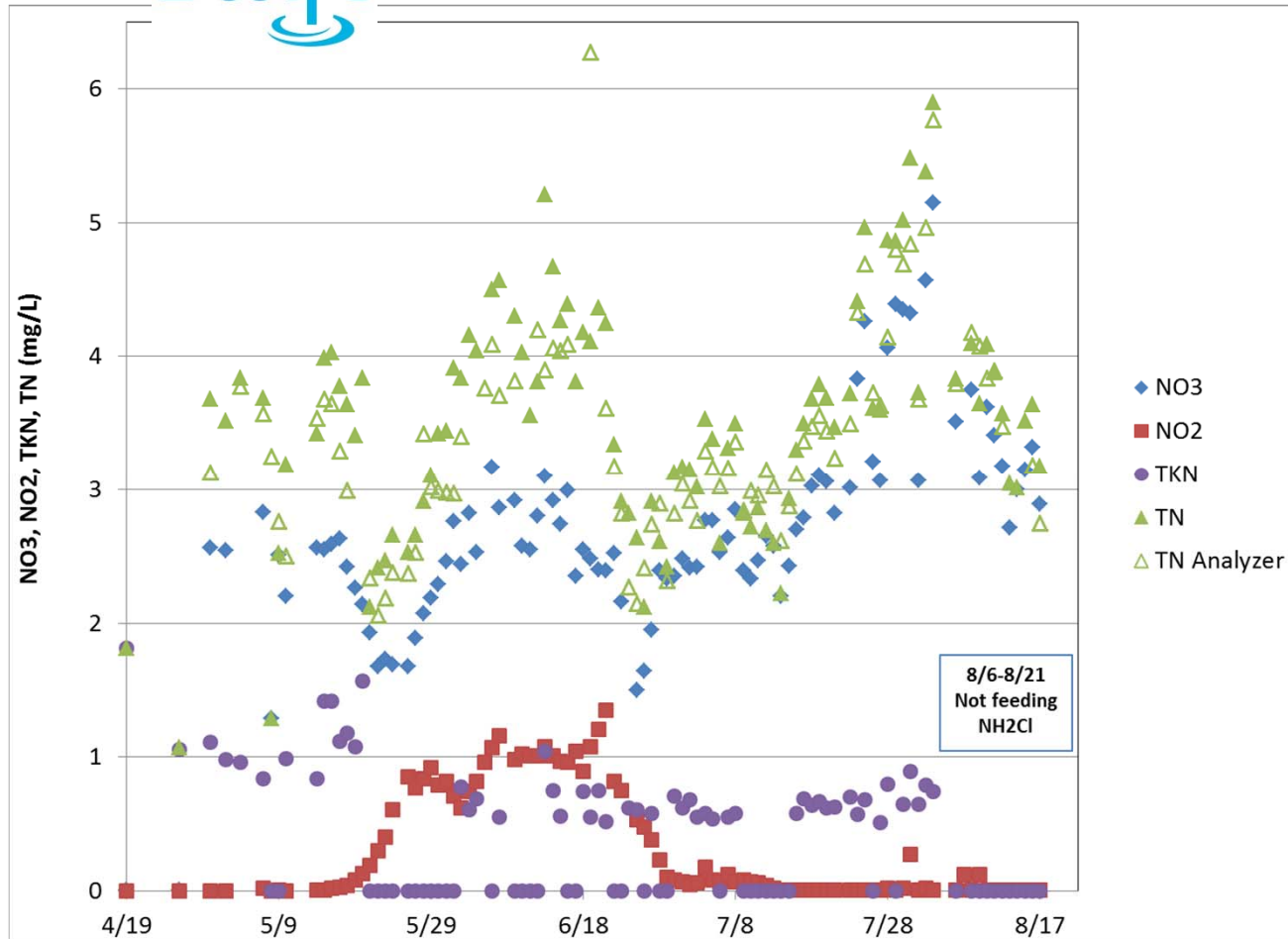
HRSD SWIFTRC Quarterly Report: Recharge Operations from May 15 – August 31, 2018
September 18, 2018 Page 9 of 15



Water Quality and LRV Compliance

| Parameter | Units | MCL | Detection Limit ¹ | Required Monitoring Frequency | MAY | | JUNE | | JULY | | AUGUST | |
|---|--------------------|-----|------------------------------|-------------------------------|---|---------------------|---|---------------------|---|---------------------|---|---------------------|
| | | | | | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum | SWIFT Water Average (#samples) ² | SWIFT Water Maximum |
| Non-regulatory Performance Indicators | | | | | | | | | | | | |
| Public Health Indicators | | | | | | | | | | | | |
| 1,4-dioxane | µg/L | - | 0.07 | Quarterly | | <0.07 | | | 0.39 (4) | 0.42 | 0.31 (3) | 0.33 |
| 17-β-estradiol | ng/L | - | 0.4 | Quarterly | | | | | | <0.4 | | |
| DEET | ng/L | - | 10 | Quarterly | | | | | | <10 | | |
| Ethinyl estradiol | ng/L | - | 5 | Quarterly | | | | | | <5,BA | | |
| Tris(2-carboxyethyl)phosphine (TCEP) | ng/L | - | 10 | Quarterly | | | | | | <10 | | |
| NDMA | ng/L | - | 2.0 | Quarterly | <2 (2) | <2 | <2 (3) | 2.4 | <2 (4) | <2 | <2 (2) | <2 |
| Perchlorate | µg/L | - | 0.5 | Quarterly | | 1.7 | | | | 0.74 | | |
| Perfluorooctanoic Acid (PFOA) | µg/L | - | 0.02 | Quarterly | | <0.02 | | | | <0.02 | | |
| Perfluorooctanesulfonic Acid (PFOS) | µg/L | - | 0.04 | Quarterly | | <0.04 | | | | <0.04 | | |
| Treatment Efficacy Indicators | | | | | | | | | | | | |
| Cotinine | ng/L | - | 10 | Quarterly | | | | | | <10 | | |
| Primidone | ng/L | - | 10 | Quarterly | | | | | | <10 | | |
| Phenytoin (Dilantin) | ng/L | - | 20 | Quarterly | | | | | | <20 | | |
| Meprobamate | ng/L | - | 5 | Quarterly | | | | | | <5 | | |
| Atenolol | ng/L | - | 5 | Quarterly | | | | | | <5 | | |
| Carbamazepine | ng/L | - | 5 | Quarterly | | | | | | <5 | | |
| Estrone | ng/L | - | 5 | Quarterly | | | | | | <5 | | |
| Sucralose | ng/L | - | 5 | Quarterly | | | | | | <100,LE, LK | | |
| Triclosan | ng/L | - | 10 | Quarterly | | | | | | <10 | | |
| Additional Monitoring (Ozone & UV LRV) | | | | | SWIFT Water Average | SWIFT Water Minimum | SWIFT Water Average | SWIFT Water Minimum | SWIFT Water Average | SWIFT Water Minimum | SWIFT Water Average | SWIFT Water Minimum |
| Ozone Virus LRV | | | | Continuous | 5.22 | 3.32 | 5.63 | 2.75 ⁹ | 5.68 | 0 ⁹ | 4.26 | 2.59 ⁹ |
| Ozone Giardia LRV | | | | Continuous | 2.73 | 1.68 ⁹ | 2.54 | 1.09 ⁹ | 2.38 | 0 ⁹ | 2.06 | 1.13 ⁹ |
| UV Dose Reactor 1 | mJ/cm ² | | | Continuous | >186 | >186 | >186 | >186 | >186 | >186 | >186 | >186 |
| UV Virus LRV Reactor 1 | | | | Continuous | >4 | >4 | >4 | >4 | >4 | >4 | >4 | >4 |
| UV Dose Reactor 2 | mJ/cm ² | | | Continuous | >186 | >186 | >186 | >186 | >186 | >186 | >186 | >186 |
| UV Virus LRV Reactor 2 | | | | Continuous | >4 | >4 | >4 | >4 | >4 | >4 | >4 | >4 |



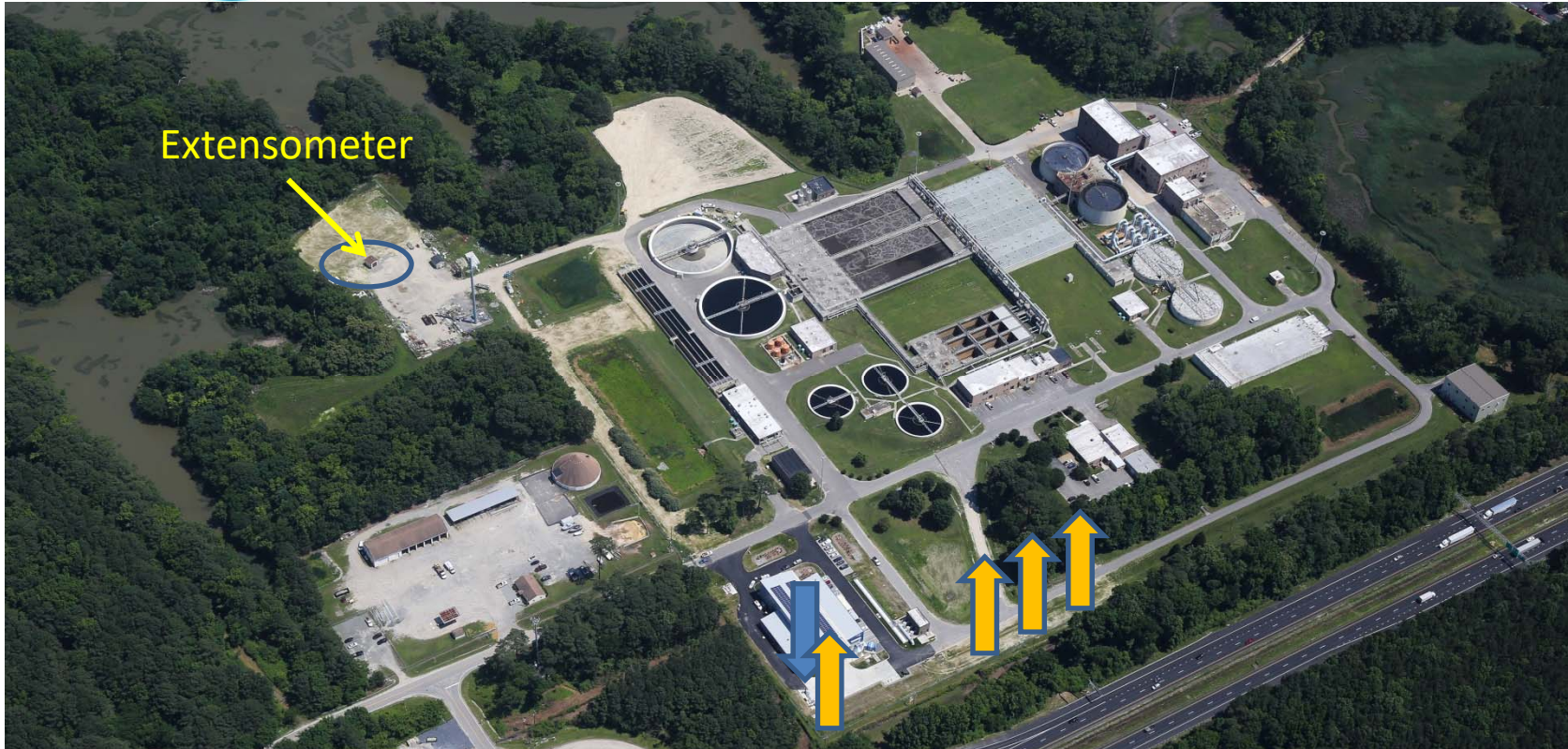


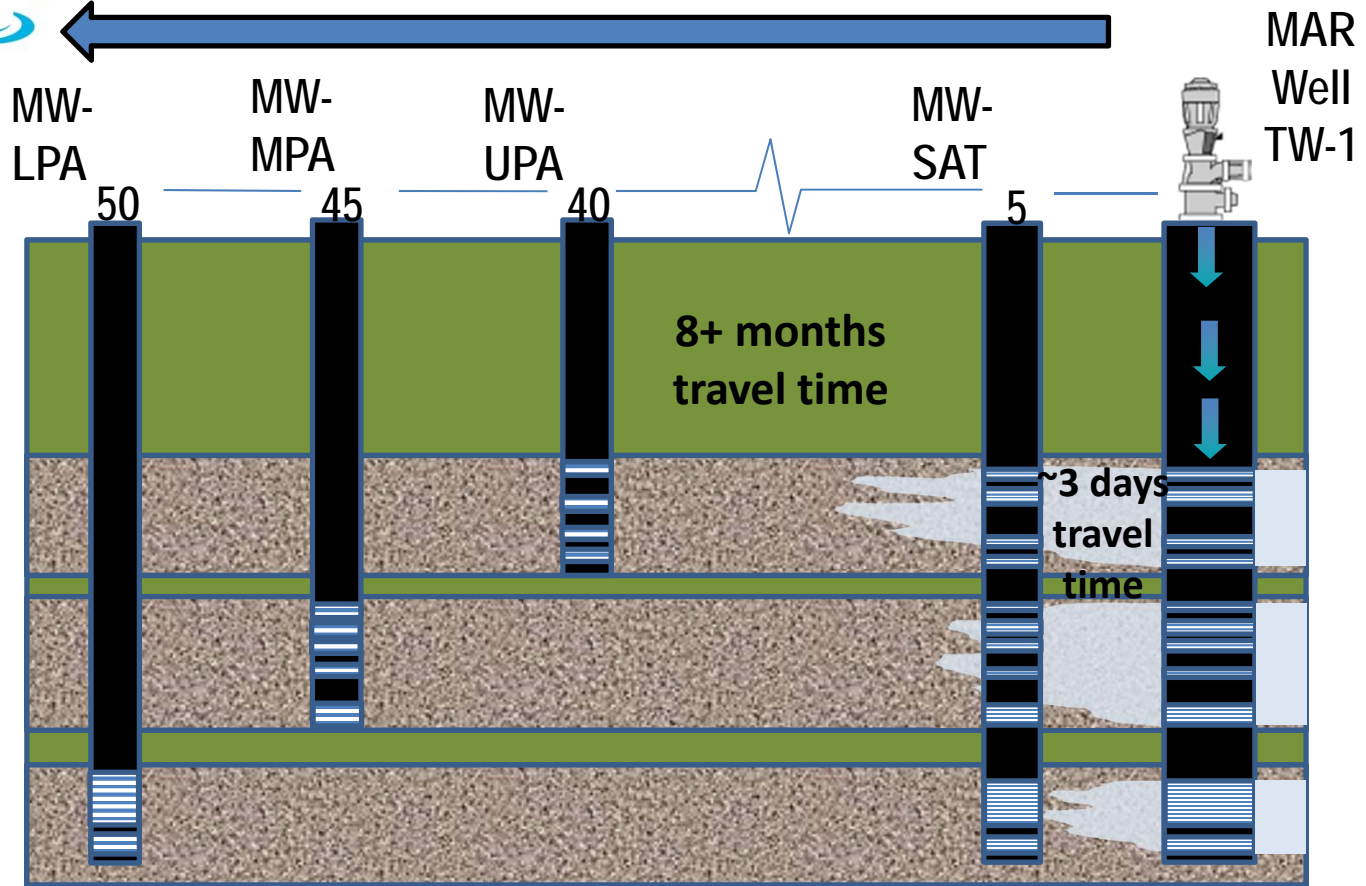
- TN Limits

- 5 mg/L Monthly Average
- 8 mg/L Daily Max

- SWIFT Water TN consistently below limits

- NO₂ increased and subsequently decreased after filters began to nitrify



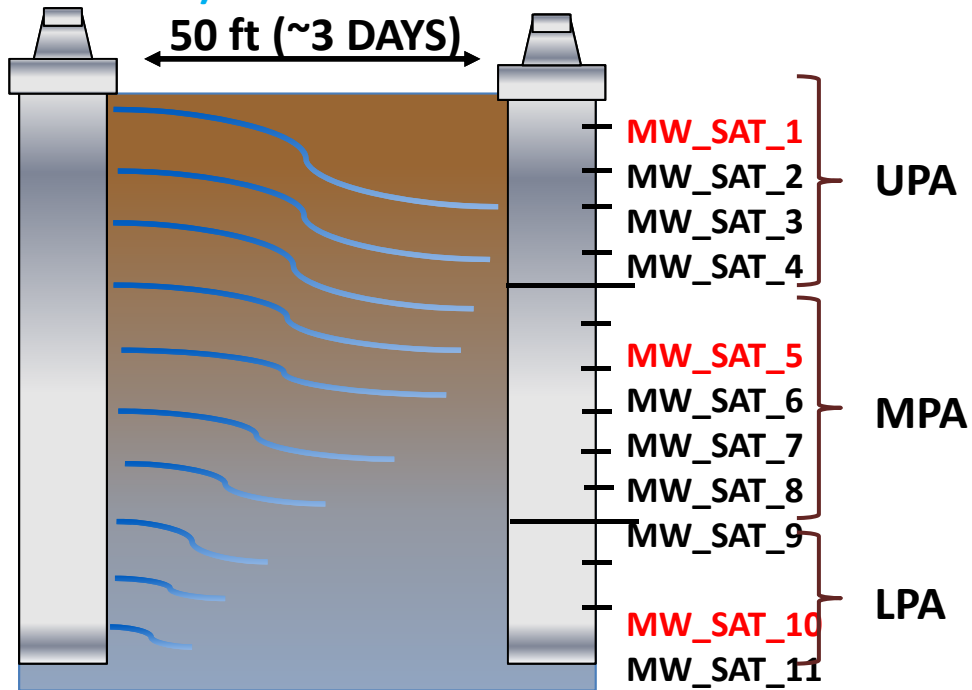




Recharge Well
(SWIFT Water)

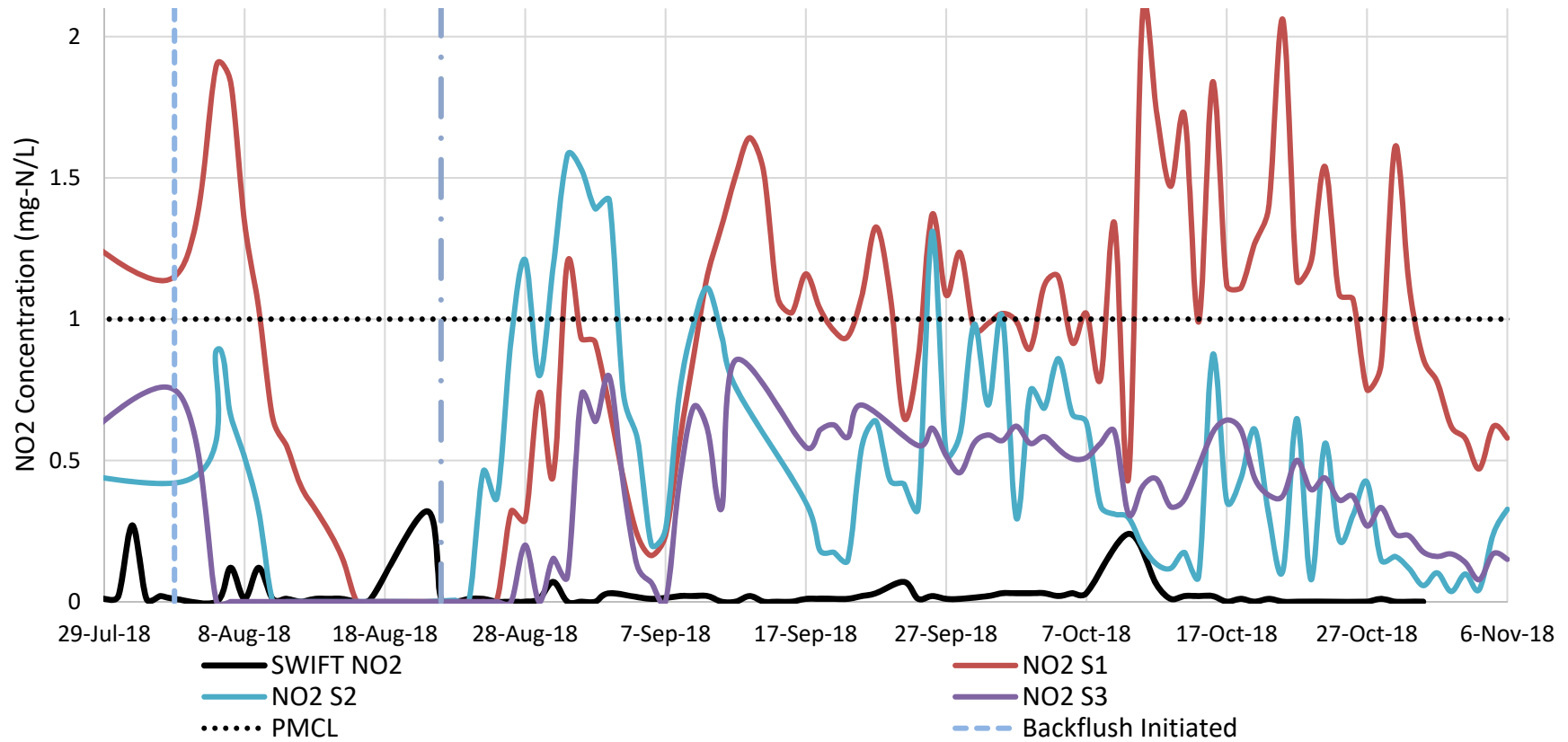
Monitoring Well
(MW_SAT)

50 ft (~3 DAYS)



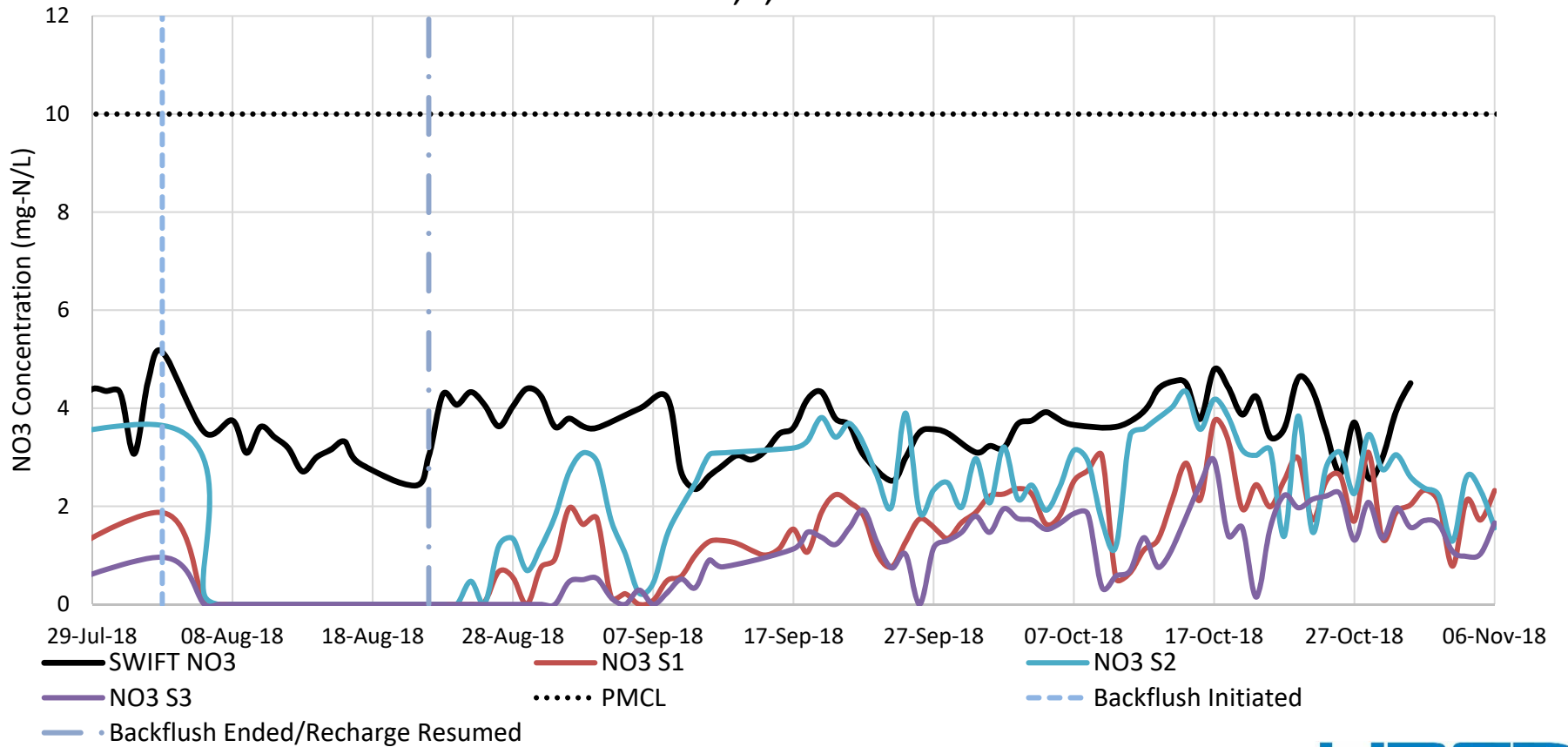


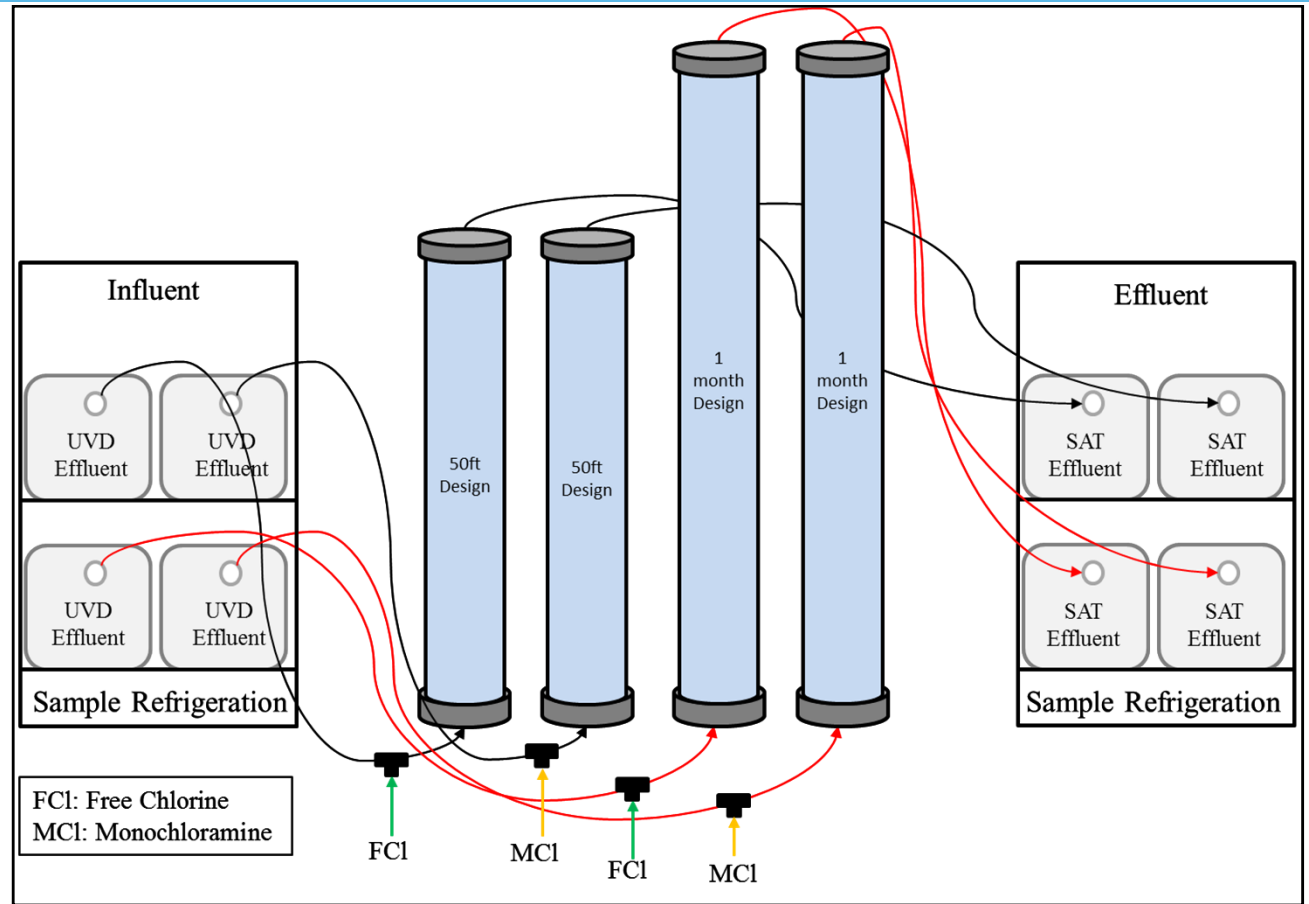
Screens 1,2, & 3 Nitrite





Screens 1,2, & 3 Nitrate

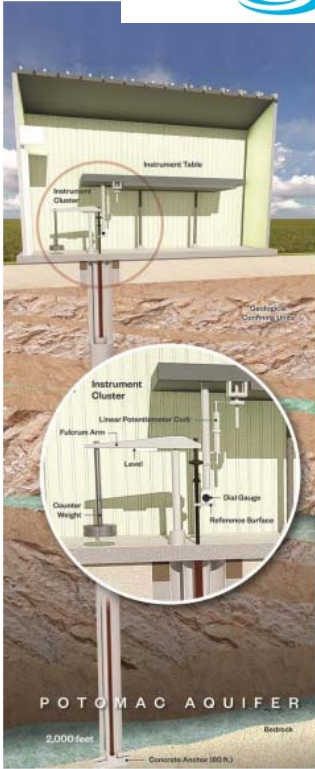






Extensometer Site



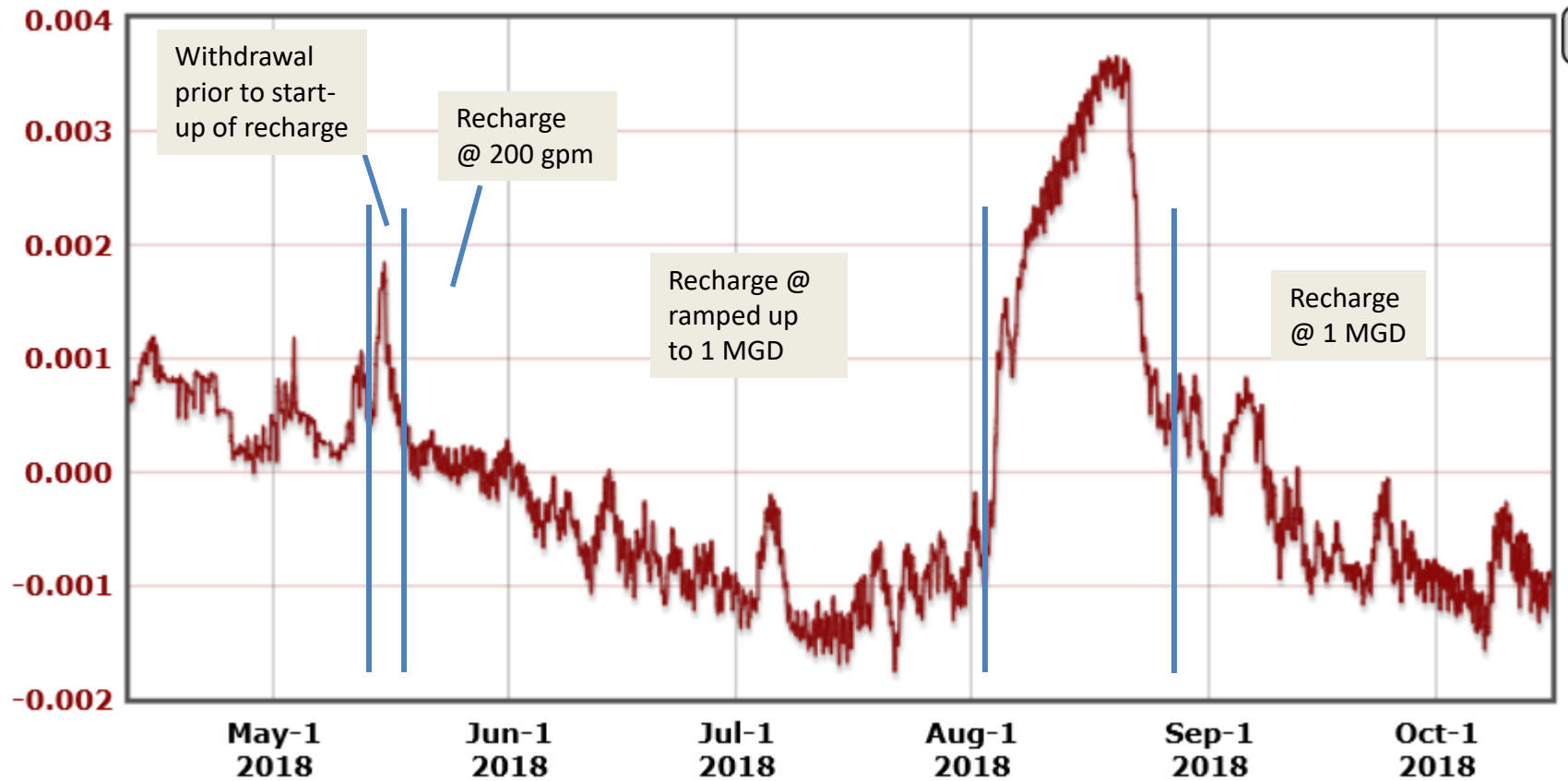


USGS geologists will analyze data produced by an extensometer installed at the SWIFT Research Center to determine changes in land subsidence.



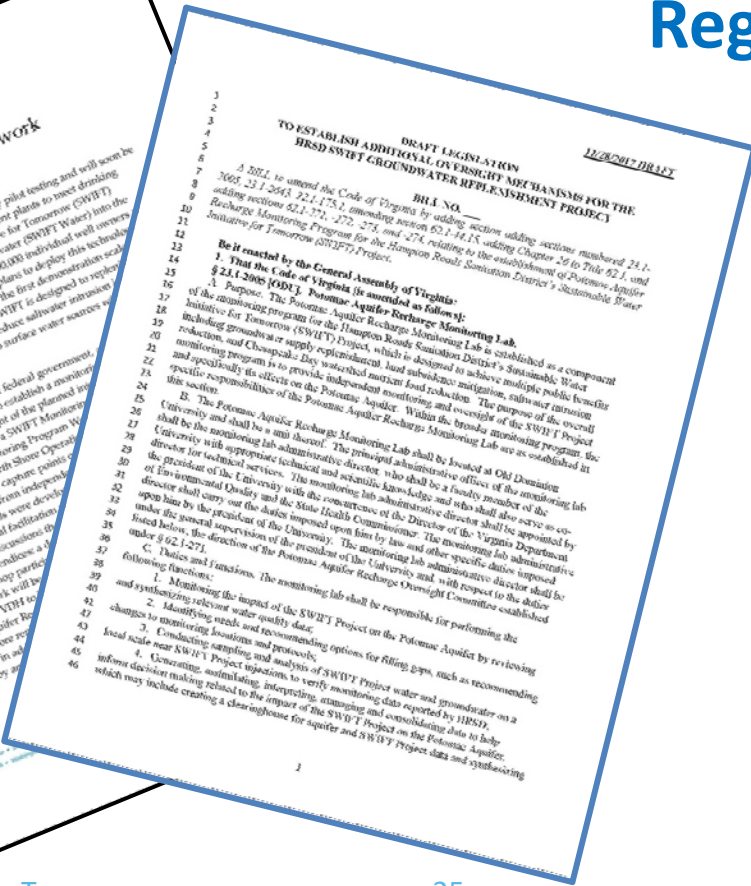
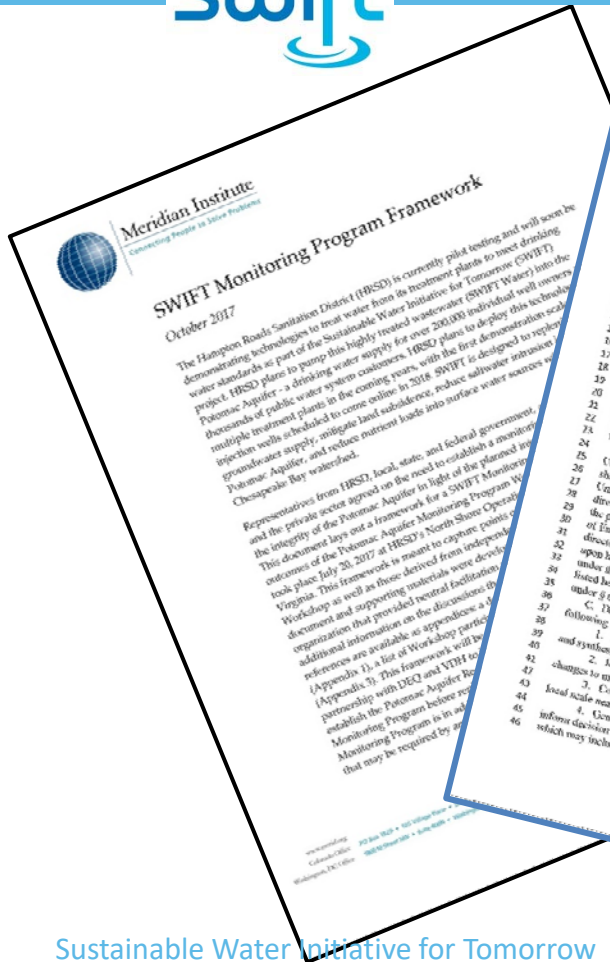


Zoom period plot





Regulatory Framework



- Planning to re-introduce at GA
- Monitoring lab moving forward with agreement between ODU, VT and HRSD



SWIFTVA.COM

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