2018 ANNUAL SYSTEMS SUMMARY REPORT

ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

KRAFT HEINZ FOODS COMPANY

PROJECT NO.: 31401451.000
DATE: OCTOBER 2019

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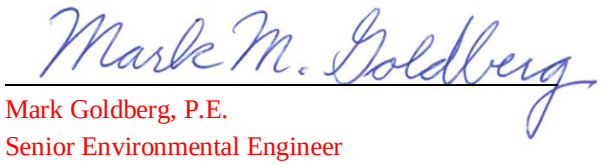

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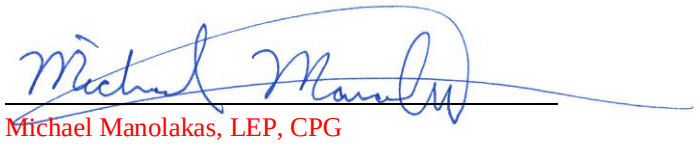

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Area Manager

TABLE OF CONTENTS

TABLES

GRAPHS

FIGURES

APPENDICES

EXECUTIVE SUMMARY

On behalf of Kraft Heinz Foods Company (Kraft Heinz), as successor to Kraft Foods Group, Inc., WSP USA (WSP) (formerly LBG Hydrogeologic & Engineering Services, P.C. (LBGHES)) has prepared the 2018 Annual Summary Report for the Former Rowe Industries Superfund Site (Site) located at 1668 Sag Harbor Turnpike in Sag Harbor, New York. A groundwater recovery and treatment system operated at the Site during 2018. Originally, groundwater recovery and treatment consisted of two separate systems: the Full Scale Pump and Treat (FSP&T) system, comprising nine recovery wells (RW-1 through RW-9) and a packed-bed air stripper, was installed to remediate contaminants of concern (COCs) in the groundwater downgradient of the former drum storage area (FDSA); the Focused Pump and Treat (FP&T) system, comprising four recovery wells (FRW-1 through 4) and activated carbon treatment, was installed to contain COCs in the FDSA. Recovery wells RW-1, 3, 4, 5, 6, 7, 8 and 9 were shut down between 2005 and 2014 because applicable or relevant and appropriate requirements (ARARs) had been achieved in the groundwater around these wells for at least three consecutive years. Therefore, groundwater recovery and treatment during 2018 consisted of groundwater recovery from five wells (FRW-1, 2, 3, 4 and RW-2) and treatment in the FSP&T packed-bed air stripper. RW-2 has achieved ARARs for at least seven consecutive years but remains in operation as a protective measure in the event COCs, primarily tetrachloroethylene (PCE), migrate beyond the FDSA. The following conclusions and recommendations are based on groundwater recovery and treatment system performance and groundwater monitoring conducted in 2018.

1. The state pollutant discharge elimination system (SPDES) discharge quality criteria for VOCs were not exceeded in any discharge samples in 2018. Furthermore, discharge quality criteria were below laboratory reporting limits in 2018. The New York State Department of Environmental Conservation (NYSDEC) renewed the SPDES discharge permit on May 6, 2016. The duration of the permit is five years and the allowable pH range per the permit is 6.5 to 8.5.
2. During 2018, the modified FSP&T system operated an average of 58.9% of the time. The total mass of volatile organic compounds (VOCs) recovered from January 3, 2018 to January 3, 2019 was approximately 0.4 lb. A total of approximately 233.0 lbs of VOCs has been recovered by groundwater extraction and treatment since startup of the FP&T system in November 2000. The total VOCs recovered by the FP&T system from November 2000 to September 2008 was approximately 3.5 lbs, and the total VOCs recovered by the FSP&T from December 2002 to present was approximately 229.5 lbs.
3. As illustrated in the 2018 Semi-annual monitoring reports, capture zones induced from the operations of recovery wells RW-2 and FRW-1, 2, 3 and 4 are consistent with historic operations.
4. Vapor emissions for 2018 averaged 0.00042 lbs/hr and remain well below the maximum allowable vapor emissions limit of 0.022 lbs/hr for the FSP&T system. Airflow through the air-stripper tower in 2018 ranged from approximately 2,889 standard cubic feet per minute (scfm) to 2,970 scfm and was adequate to treat the water by stripping the COCs from the influent water.
5. The accumulation of biofouling and iron bacteria encrustation in the components of the remediation system is caused by normal system operation. The air-stripper tower packing material and the tower sump was inspected periodically for biofouling and iron bacteria encrustation, and backwashed and/or cleaned as needed.

6. Recovery well rehabilitation to improve well performance was successfully completed in April 2018 for recovery well RW-2 based on an increase in specific capacity of the well, an increase in the pumping rate and a reduction in the percent motor speed for the target flow setting after rehabilitation of the well. Annual well rehabilitation will likely be necessary for RW-2 as long as the well operates.
7. In 2019, a supplemental remedial action will be evaluated to aid in reducing concentrations of COCs in groundwater in the FDSA.

1 INTRODUCTION

On behalf of Kraft Heinz Foods Company (Kraft Heinz), as successor to Kraft Foods Group, Inc., WSP USA (WSP) (formerly LBG Hydrogeologic & Engineering Services, P.C. (LBGHES)) has prepared the 2018 Annual Summary Report for the former Rowe Industries Superfund Site (Site) located at 1668 Sag Harbor Turnpike in Sag Harbor, Suffolk County, New York. An Area Map and Site Map are provided as Figures 1 and 2, respectively.

The purpose of this report is to present a performance summary of the groundwater recovery and treatment system (Section II). A summary of the waste generated for the Site is included in Section III. The conclusions and recommendations for future actions at the Site are included in Section IV.

2 GROUNDWATER RECOVERY AND TREATMENT

This section of the report provides a summary of the performance of the Full Scale Pump and Treat (FSP&T) system with respect to operation and maintenance (O&M) activities, system water-quality data, system air quality data, recovery well performance information, recovery well rehabilitation work and groundwater quality data. The 2018 FSP&T system consists of 5 active recovery wells (RW-2, FRW-1, FRW-2, FRW-3 and FRW-4) and a packed-bed air stripper and ancillary piping and equipment.

In 2018, a total of 8,481,499 gallons of groundwater was recovered and treated through the FSP&T system from January 1, 2018 to December 31, 2018. The systems operated for 58.9% of the time during 2018, which equates to a total of 215 days out of a possible 365 days. A total of 0.4 pounds of dissolved volatile organic compounds (VOCs) was recovered by the FSP&T system from January 3, 2018 to January 3, 2019. Approximately 229.5 pounds of VOCs have been recovered since the startup of the FSP&T system in December 2002. Most of the mass removal (approx. 200 lbs) occurred in the first 5 years of operation after which mass removal has declined to a rate of less than 1 pound per year since approximately 2012. Table 1 and Graph 1 show influent PCE concentrations and total VOCs recovered by the FSP&T system from November 26, 2002 to January 3, 2019.

2.1 FSP&T OPERATION AND MAINTENANCE (O&M) ACTIVITIES

The FSP&T system operated intermittently this year with most of the down time resulting from leaking equipment, malfunctioning equipment, maintenance events and power/communication failures. Excluding recovery well rehabilitation, which are discussed separately in Sections II.E.1 and II.E.2 of this report, the significant maintenance and repair events that occurred in 2018 included: a) repaired leaking EQ tank manway cover; b) replaced malfunctioning uninterruptable power supply (UPS); c) Repair crack in FP&T trailer pipe; d) replace broken RPZ valve; e) repair phase monitoring relay to restore power to the air stripper blower; f) replace fire-security monitoring unit with a cell unit that bypasses the phone system for signal transmission; g) replace FSP&T building heater unit; h) annual FSP&T and FP&T system cleanout and maintenance; i) maintenance of the recharge basins; j) replace submersible pumps and pump motors; and, k) troubleshoot flow issue from RW-2. The remaining routine maintenance activities and details of significant maintenance events were summarized in the 2018 monthly project status memoranda.

The packing material in the air-stripper tower was visually inspected during the annual maintenance event (April 2018). The drip trays were rinsed to remove accumulated iron bacteria. The packing material has settled approximately one to two feet since initial system startup. However, the packing material near the top of the tower appeared to be in good condition with only minor signs of iron bacteria deposition in the area where the water predominantly flows.

2.2 FSP&T SYSTEM WATER-QUALITY DATA

The analytical results of all monthly effluent water-quality sampling events for the FSP&T system in 2018 have been below the recommended SPDES Equivalent Effluent Criteria and are summarized in

Table 2. The NYSDEC renewed the SPDES Permit for the Site on May 6, 2016. The duration of the SPDES permit is five years and the permit will be renewed in 2021.

2.3 FSP&T SYSTEM AIR-QUALITY DATA

Vapor-phase carbon is used to remove VOCs from the effluent air of the air stripper in the FSP&T system. The quarterly VOC vapor emission rates ranged from 0.00014 lbs/hr (August 28, 2018) to 0.00100 lbs/hr (January 17, 2018), which is below the allowable VOC emission rate of 0.022 lbs/hr.

Table 3 presents a summary of the vapor-phase carbon operating data for 2018. Air flow was measured and air samples were analyzed to determine quarterly VOC air emissions during 2018. Air samples are collected during the months of January, April, July and October. However, due to the system shutdown in July, the July quarterly sample was collected in August 2018 following the repair of the crack in the EQ tank. The higher than normal VOC emissions result shown in January 2018 for Table 3 is caused by slightly higher than normal non-COC VOC concentrations measured in the vapor stream that month.

The 2018 annual average airflow through the air stripper tower and the carbon units was 2,945 standard cubic feet per minute (scfm). The total VOC vapor emissions from the effluent stack from January 1, 2018 to December 31, 2018 were 1.13 pounds. VOC vapor concentrations (mg/m^3) and VOC vapor emissions (lbs/hr) for 2018 are summarized in Table 4 and illustrated in Graph 2.

Based on the influent and effluent vapor data, the vapor-phase portion of the remediation system is functioning properly. The VOC concentrations in the vapor are believed to be within normal variability for vapor emissions but will continue to be monitored to determine if there is an increasing trend. If post-carbon VOC concentrations increase, then a carbon changeout will be considered.

2.4 RECOVERY WELL AND FOCUSED RECOVERY WELL PERFORMANCE

Table 5 presents a summary of the construction details of recovery wells RW-1 through RW-9 and FRW-1 through FRW-4. The table summarizes the top of casing elevations, well diameters, total depth, screen and casing settings and the materials used in the well construction.

Table 6 presents a summary of the volume of water pumped from RW-2 and the four FRWs in 2017 and 2018, and the total volume treated by the FSP&T system. The discrepancy between the total effluent flow for 2018, as measured by the FSP&T system effluent flow meter, and the individual well flow meters is small (less than 5%) and within the margin of error for the flow meters. The decrease in the volume of water pumped through the FSP&T system between 2017 and 2018 is attributed to the mechanical/maintenance issues listed in Section 2.1 of this report.

Recovery Wells: All FSP&T RWs with the exception of RW-2 (remains operational to provide a protective measure to capture COCs in the event they migrate beyond the former drum storage area (FDSA)) have been shut down with EPA and NYDEC approval. The PCE, 1,1,1 trichloroethane (TCA), trichloroethylene (TCE) and cis-dichloroethylene (cis DCE) concentrations have been below the ARAR of 5 µg/l in groundwater samples collected from all the RW's (RW-1 through RW-9) for a minimum of 8 years. As of September 2, 2016, the EPA approved the discontinuation of groundwater quality sampling from RW-1, RW-5, RW-7, RW-8 and RW-9, and the reduced sampling frequency for RW-3, RW-4 and RW-6 to annual. RW-2 continues to be sampled monthly.

Table 7 presents a summary of the groundwater quality results from monthly sampling of RW-2 for 2017 and 2018. Graph 3 shows a time series plot of PCE, TCE, TCA and cis-DCE for RW-2 for 2017 and 2018. All VOC concentrations in the groundwater samples collected from RW-2 continue to be below the ARARs. The average flow rate from RW-2 during 2018 was calculated at 27 gallons per minute (gpm), which is the target pumping rate for this well.

Focused Recovery Wells (FRW-1 to FRW-4): COC concentrations (primarily PCE) in the groundwater collected from the focused recovery wells (FRWs) has decreased over time, but continue to persist above ARARs in some of the wells. Tables 8 through 11 present a summary of the groundwater quality results from monthly sampling of FRW-1, FRW-2, FRW-3, and FRW-4 for 2017 and 2018, respectively. Graphs 4 through 11 show the time series plots for PCE, TCE, TCA and cis-DCE for groundwater samples collected from FRW-1, 2, 3 and 4. Blue shaded areas on the graphs show times when the FRWs were not operating. Two graphs are presented for each FRW; the first set (Graphs 4, 6, 8, 10) summarizes COC concentrations for 2017 and the second set (Graphs 5, 7, 9, 11) summarizes the historical COC concentrations for the past ten years. Concentrations in the monthly sampling from the FRWs 1, 2 and 3 generally follow a seasonal trend of higher concentrations in the winter/spring and lower concentrations in the summer/fall; concentrations at FRW-4 are generally below ARARs and do not follow the trend of FRW-1, 2 and 3. In 2018, COC concentrations were regularly detected below ARARs in the summer/fall period and increased groundwater concentrations were not observed during a 3-month shut-down of the FRWs. Based on historic groundwater monitoring, winter/spring periods are generally associated with higher water table elevations and summer/fall are associated with lower water table elevations; the water table elevations generally range from 6 to 10 feet above mean sea level with lower water levels in the vicinity of the FRWs due to draw down. The observed trend is likely due to increased desorption of COCs in soil in the smear zone during higher water periods in the winter/spring and reduced desorption when water levels lower below the smear zone in the summer/fall. A brief summary of the flow rate, performance and evaluation of each FRW is provided below:

The volume pumped and estimated flow rates for the focused recovery wells from 2018 and 2017 are provided in Table 6. Iron fouling impacts operation of the flow meters and/or pressure transducers in FRW-1, FRW-2, and FRW-3, leading to under reporting of flow rates. Therefore, average flow rate measurements provided in Table 6 for FRW-1, FRW 2 and FRW-3 are for general reference only. The larger volume of water pumped in 2017 compared to the volume pumped in 2018 is due to increased downtime in 2018.

Mechanical well development of the FRWs was conducted in 2018 and routine maintenance of the FRW equipment was conducted during O&M visits. Refer to Section II.E.2 of this report for further details of FRW rehabilitation.

Consistent with historic data, FRW-4 had the highest yield; followed by FRW-1 and FRW-3. Due to being screened in lower permeability soils, FRW-2 has consistently had the lowest yield. Additionally, FRW-2 has the highest degree of iron fouling among the four FRWs. Iron fouling is also observed at FRW-1 and FRW-3. As discussed in the semi-annual reports, overall, the FRWs are maintaining adequate hydraulic control to minimize the migration of COCs from the FDSA.

2.5 RECOVERY WELL REHABILITATION AND REDEVELOPMENT

The results of the recovery well rehabilitation program completed in 2018 are discussed in this section. Annual rehabilitation of RW-2 started on April 16th and finished on April 23rd. The details of the maintenance activities and troubleshooting efforts were summarized in the April Monthly Status Memoranda. The FRW redevelopment and maintenance was completed between April 24th and 26th. The rehabilitation and redevelopment was completed in accordance with the document *"Scope of Work for 2018 Well Rehabilitation, Rowe Industries Superfund Site, Sag Harbor, New York."* (WSP, April 2018). The purpose of the rehabilitation program is to address the historically documented biofouling and iron bacteria encrustation problems and to improve and/or sustain the yield of the recovery wells.

2.5.1 RW-2 REHABILITATION

Recovery well RW-2 was rehabilitated using Unicid™ Granular Acid (Acid) and Catalyst, and mechanical processes of brushing the well screens and surging the wells with a set of snug fitting nylon brushes that double as surge blocks. The purpose of brushing was to remove encrustation from the screen. Unicid™ Granular Acid was used to remove the encrusted scaling that protects the bio-fouling bacteria. Catalyst was used to loosen the encrustation in the well and the surrounding aquifer. The surging action disperses the acid and Catalyst in the surrounding aquifer.

RW-2 was rehabilitated using the following procedures. The pump was removed, dismantled, the iron bacteria encrustation was cleaned from the pump, and the pump and riser pipes were soaked in a thirty percent solution of Unicid™ Granular Acid/Catalyst immersion bath for approximately 24 hours. After the acid bath, the pump and riser pipes were brushed and rinsed with potable water. The pump, pump motor and submersible power cable for RW-2 were replaced with new equipment at the completion of the rehabilitation activities.

After the pump was removed, an initial 20-minute pumping test was conducted with a test pump, which was followed by 2 hours of physical screen cleaning with a 2-foot long, snug-fitting nylon brush. The physical screen-cleaning phase included removing biological materials and other encrustation from the well. Any materials that had accumulated in the well sump were then evacuated with a vacuum truck. By removing as much of the material as possible from the wells by mechanical means, smaller quantities of chemicals were subsequently required to rehabilitate the well.

The physical cleaning was followed by the initial introduction of Unicid™ Granular Acid and Catalyst. These products were introduced to reduce the pH to below 2; a pH unfavorable for Iron Related Bacteria (IRB), Sulfate Reducing Bacteria (SRB) and Heterotrophic Aerobic Bacteria (HAB). These bacteria were determined to exist in the wells during a previous study and were discussed in the Recovery Well Performance Evaluation (LBG, 2004). The acid and Catalyst were introduced at the top of the water column then surged into the formation with a set of snug fitting nylon brushes. The pH was monitored every two hours over the three day surging period. If the pH increased above 2, then 15 lbs of acid were introduced to adjust the pH to 2 or lower. Discontinuation of acid treatment was determined by the color and turbidity of the groundwater generated during rehabilitation work or the ability of groundwater to maintain a low pH. Following surging activities during the period of acid treatment, the recovery well was pumped to remove the residuals of the chemicals that were introduced to the well and the solid sediments that were pulled into the well due to the surging action, and until the pH increased to levels approaching background (typically a pH of approximately 5 to 6).

Following acid treatment, a post-rehabilitation aquifer pumping test was completed to evaluate the effectiveness of the rehabilitation efforts. All water generated during the rehabilitation process was stored in a 10,000-gallon temporary holding tank, where the pH of the water was neutralized. After the water was neutralized, it was transferred from the holding tank to the FSP&T system where the water was treated and discharged to the recharge basins. The sediment and sludge that settled to the bottom of the temporary holding tank was transported off site and disposed of as hazardous waste at a state-licensed facility.

Upon removal of the riser pipe and pump, a thin coating of iron bacteria was visible on the interior and exterior of the riser pipe. An iron bacteria film and encrustation started at around 16 feet below the top of casing (btoc), which corresponds with the approximate depth of the water table. The amount of film and encrustation gradually increased with depth; the casing near the pump being completely encrusted in thick iron bacteria. The pump intake screen was approximately 50-75% encrusted with iron bacteria, the pump had signs of normal wear and tear from continuous operation. The degree of iron bacteria encrustation was comparable to the iron bacteria encrustation observed in 2017. When the pump was removed from the well, there were black burn marks on the pump motor indicating possible damage to the motor. Following well rehabilitation, a new RW-2 pump motor and associated wiring were installed on April 23, 2018.

During the rehabilitation of RW-2, a total of 95 lbs of Unicid™ Granular Acid and five gallons of Catalyst were used. The rehabilitation process included three pH adjustments. The measured pre-rehabilitation pH was 6.0; this background pH is higher than the historically measured pH of 5.0-5.5. No odors or foam were detected during the acid treatment. A groundwater sample was collected in a clear glass jar to observe the color and turbidity. At the start of rehabilitation, the water was observed to have a yellow-green color and was very turbid; as rehabilitation progressed over three days of surging, the water color changed to a very light yellow-green tint with lower turbidity. The turbidity varied during the surging (less turbid first thing in the morning and increased turbidity with surging during the day); however, overall turbidity decreased with each day of surging. The yellow color/tint of the groundwater suggests the presence of iron while the green color/tint of the groundwater suggests the presence of sulfates. Approximately 20,000 gallons of water were removed from RW-2 as part of the well rehabilitation activities.

The pre- (3.74 gpm/ft) and post-rehabilitation (5.39 gpm/ft) specific capacity values in 2018 suggest that some of the transmitting capability of the well screen, gravel pack and surrounding formation have been restored. Well rehabilitation at RW-2 should be continued annually as long as RW 2 remains in operation.

2.5.2 FRW REDEVELOPMENT

The FRW redevelopment and maintenance activities consisted of the following steps: a) remove, inspect and clean the pumps and pressure transducers from each well; b) alternate mechanical brushing and surging of the well screen; and c) pump and purge loosened material and groundwater. Each FRW was brushed, surged and purged for approximately four hours until the turbidity in the groundwater stabilized based on a visual assessment of the purge water. Pre- and post-rehabilitation pumping tests and video inspections are not completed at the FRWs because the low yield and slow recharge rates do not allow for continuous pumping; and the high turbidity in the water column impedes video inspection.

Burn marks (evidence of overheating and imminent failure) were observed on the FRW-2 and FRW-4 pumps; therefore, following redevelopment of the well, the pumps were replaced.

2.6 SEMI-ANNUAL GROUNDWATER MONITORING

Semi-annual and/or annual groundwater samples were collected and analyzed from recovery wells and select monitor wells in March and September 2018. Tables 5 and 12 present a summary of the construction details and dates of construction of the recovery and monitor wells, respectively. The semi-annual and annual groundwater monitoring for 2018 continues to indicate that COC concentrations are below applicable ARARs and show no evidence of rebound occurring in the former plume area downgradient of the FDSA. The operation of the FP&T system provides adequate hydraulic control to prevent nearly all of the COCs from migrating beyond the FDSA. However, COC concentrations in the groundwater continue to persist above ARARs in the FDSA. A detailed groundwater monitoring assessment including water level data, capture zone data, plume evaluations and accompanying laboratory reports for the March and September 2018 sampling events were provided with the March and September Semi-Annual Groundwater Quality Updates issued on October 23, 2018 and February 15, 2019, respectively.

3 HAZARDOUS WASTE

Hazardous waste generated at the Site in 2018 included the following item, along with its associated weight or volume.

- Wastewater, sediment and sludge generated by well redevelopment and cleaning pipes – 650 gallons

All hazardous waste was shipped offsite to a licensed disposal facility using standard hazardous waste manifest procedures. The hazardous waste manifest for waste generated in 2018 is included in Appendix A.

4 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are based on the performance of the modified FSP&T system in 2018.

1. The state pollutant discharge elimination system (SPDES) discharge quality criteria for VOCs were not exceeded in any discharge samples in 2018. Furthermore, discharge quality criteria were below laboratory reporting limits in 2018. The New York State Department of Environmental Conservation (NYSDEC) renewed the SPDES discharge permit on May 6, 2016. The duration of the permit is five years and the allowable pH range per the permit is 6.5 to 8.5.
2. During 2018, the modified FSP&T system operated an average of 58.9% of the time. The total mass of volatile organic compounds (VOCs) recovered from January 3, 2018 to January 3, 2019 was approximately 0.4 lb. A total of approximately 233.0 lbs of VOCs has been recovered by groundwater extraction and treatment since startup of the FP&T system in November 2000. The total VOCs recovered by the FP&T system from November 2000 to September 2008 was approximately 3.5 lbs, and the total VOCs recovered by the FSP&T from December 2002 to present was approximately 229.5 lbs.
3. As illustrated in the 2018 Semi-annual monitoring reports, capture zones induced from the operations of recovery wells RW-2 and FRW-1, 2, 3 and 4 are consistent with historic operations.
4. Vapor emissions for 2018 averaged 0.00042 lbs/hr and remain well below the maximum allowable vapor emissions limit of 0.022 lbs/hr for the FSP&T system. Airflow through the air-stripper tower in 2018 ranged from approximately 2,889 standard cubic feet per minute (scfm) to 2,970 scfm and was adequate to treat the water by stripping the COCs from the influent water.
5. The accumulation of biofouling and iron bacteria encrustation in the components of the remediation system is caused by normal system operation. The air-stripper tower packing material and the tower sump was inspected periodically for biofouling and iron bacteria encrustation, and backwashed and/or cleaned as needed.
6. Recovery well rehabilitation to improve well performance was successfully completed in April 2018 for recovery well RW-2 based on an increase in specific capacity of the well, an increase in the pumping rate and a reduction in the percent motor speed for the target flow setting after rehabilitation of the well. Annual well rehabilitation will likely be necessary for RW-2 as long as the well operates.
7. In 2019, a supplemental remedial action will be evaluated to aid in reducing concentrations of COCs in groundwater in the FDSA.

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TABLES

TABLE 1

2017 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FSP&T Influent PCE Concentrations and Cumulative VOCs Recovered

Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)
11/26/02	110	6	9/18/03	51	77.5	5/18/04	46	126.1	1/13/05	27	153.4	9/8/05	8.8	170.8	6/14/06	22	185.0	2/22/07	12	200.1	10/19/07	3.3	206.3	6/25/08	3	211.0	3/17/09	7.7	215.2	11/24/09	2.9	218.2
12/19/02	58	9.6	9/23/03	52	78.6	5/27/04	43	127.4	1/20/05	27	153.7	9/15/05	20	171.5	6/21/06	20	185.8	2/28/07	10	200.4	11/7/07	6.7	206.5	7/1/08	1.5	211.1	3/31/09	9.5	215.2	12/3/09	4.6	218.2
1/2/03	64	11.6	10/1/03	66	80.5	6/2/04	37	128.6	1/26/05	17	154.1	10/6/05	12	172.2	6/28/06	0	185.8	3/7/07	7.8	200.7	11/15/07	5.8	206.6	7/8/08	4.8	211.1	4/6/09	4.0	215.3	12/8/09	1.6	218.2
1/8/03	58	13.5	10/8/03	54	81.1	6/8/04	30	131.0	2/2/05	21	155.5	10/12/05	12	172.4	7/7/06	28	186.0	3/14/07	9.6	200.8	11/19/07	3.7	206.6	7/18/08	5.2	211.3	4/14/09	1.9	215.4	12/15/09	7.3	218.5
1/9/03	63	13.9	10/17/03	48	82.2	6/14/04	23	131.7	2/8/05	23	156.2	11/16/05	22	173.1	7/13/06	20	186.4	3/22/07	8	201.2	11/28/07	6.7	206.9	7/24/08	3.8	211.4	4/21/09	4.2	215.5	12/22/09	4.6	218.6
1/15/03	57	16.0	10/22/03	45	83.4	6/25/04	38	133.6	2/16/05	22	157.2	11/21/05	10	173.4	7/20/06	5.4	186.9	3/28/07	7.2	201.6	12/5/07	3.8	207.1	7/30/08	3.1	211.4	4/28/09	2.5	215.6	1/7/10	3.1	218.6
1/23/03	53	18.4	10/30/03	54	85.3	6/30/04	55	134.2	2/24/05	23	158.2	11/28/05	14	173.8	7/31/06	12	187.0	4/3/07	9.8	201.6	12/12/07	5.1	207.4	8/5/08	2.1	211.5	5/5/09	3.3	215.7	1/13/10	3.0	218.7
2/1/03	71	22.0	11/7/03	69	87.9	7/7/04	24	134.7	3/2/05	28	159.2	12/8/05	29	174	8/8/06	13	187.6	4/10/07	5.9	202.0	12/20/07	3.6	207.5	8/12/08	2.5	211.5	5/12/09	6.1	215.9	1/19/10	3.5	218.8
2/6/03	74	23.9	11/11/03	74	89.4	7/14/04	40	136.0	3/10/05	31	160.1	12/12/05	30	174.2	8/16/06	18	187.9	4/18/07	7.9	202.2	12/27/07	3.8	207.7	8/19/08	2.4	211.7	5/19/09	10.8	216.0	1/27/10	3.8	219.0
2/20/03	83	26.7	11/18/03	37	89.9	7/21/04	43	136.7	3/17/05	32	161.1	12/21/05	21	175.4	8/24/06	13	188.0	4/26/07	8.4	202.4	1/3/08	5.7	207.7	8/26/08	1.5	211.8	6/5/09	7.2	216.1	2/3/10	0.0	219.0
3/6/03	80	29.7	11/25/03	63	91.6	7/28/04	47	137.0	3/24/05	22	161.8	12/27/05	17	175.8	8/28/06	9.5	188.7	5/1/07	0	202.4	1/9/08	5.6	207.9	9/4/08	4	211.8	6/10/09	2.6	216.2	2/9/10	2.2	219.0
3/12/03	80	32.1	12/10/03	54	93.1	8/4/04	41	138.2	3/30/05	29	162.4	1/4/06	20	176.9	9/5/06	0	188.7	5/10/07	5.8	202.8	1/16/08	4.1	208.1	9/9/08	2.2	211.9	6/16/09	2.7	216.3	2/17/10	1.9	219.1
3/21/03	59	34.9	12/17/03	76	94.0	8/12/04	84	140.3	4/7/05	14	162.7	1/12/06	10	177.4	9/12/06	13	189.2	5/15/07	5.9	203.1	1/24/08	5.6	208.4	9/16/08	2.8	212.1	6/23/09	3.0	216.3	2/23/10	5.2	219.2
3/28/03	45	36.5	12/23/03	59	95.8	8/17/04	37	141.2	4/13/05	32	163	1/19/06	18	177.7	9/19/06	9.4	190.5	5/23/07	5.3	203.3	1/30/08	6.7	208.6	9/22/08	3.8	212.1	6/30/09	2.6	216.4	3/2/10	5.1	219.4
4/3/03	55	38.2	12/30/03	79	98.0	8/23/04	44	142.1	4/19/05	14	163.4	1/25/06	11	178.2	9/27/06	9.5	190.7	5/30/07	6.1	203.5	2/5/08	5.7	208.8	9/29/08	2.7	212.2	7/7/09	5.2	216.4	3/9/10	2.2	219.5
4/23/03	59	44.4	1/9/04	69	99.1	9/2/04	33	143.0	4/27/05	27	163.7	2/1/06	23	178.8	10/4/06	11	191.9	6/7/07	6.3	203.7	2/13/08	3.9	208.9	10/8/08	5.8	212.4	7/14/09	5.4	216.5	3/17/10	2.3	219.6
5/3/03	69	47.4	1/14/04	61	100.8	9/8/04	34	143.2	5/2/05	20	164.4	2/8/06	16	179.6	10/10/06	6	192.7	6/13/07	6.4	203.8	2/20/08	4.6	209.0	10/16/08	3.4	212.6	7/21/09	3.2	216.6	3/23/10	6.0	219.8
5/6/03	59	48.4	1/23/04	65	102.5	9/14/04	53	144.1	5/10/05	32	165.1	2/14/06	16	180.2	10/18/06	12	193.1	6/20/07	5.6	204.0	2/27/08	3.3	209.2	10/23/08	4.8	212.8	7/28/09	6.1	216.8	3/30/10	2.1	219.8
5/13/03	110	52.1	1/29/04	35	103.4	9/22/04	28	144.6	5/16/05	14	165.8	2/22/06	16	180.3	10/26/06	7.5	193.8	6/25/07	4.5	204.1	3/4/08	3.4	209.3	10/30/08	5.5	212.9	8/4/09	1.8	216.8	4/8/10	0.5	219.8
5/30/03	71	55.0	2/5/04	54	106.4	10/1/04	35	145.4	5/26/05	14	166.1	2/28/06	17	180.6	11/1/06	9	194.9	7/5/07	6.4	204.1	3/11/08	5.3	209.4	11/6/08	2.4	213.0	8/12/09	3.6	216.9	4/13/10	0.8	219.9
6/5/03	29	56.0	2/11/04	61	108.7	10/7/04	27	145.9	6/2/05	7.7	166.1	3/7/06	13	181.3	11/8/06	8.8	195.1	7/13/07	6.6	204.2	3/21/08	3.6	209.7	11/11/08	3	213.0	8/19/09	3.2	217.0	4/20/10	3.3	219.9
6/11/03	50	56.9	2/19/04	30	109.3	10/13/04	27	146.4	6/10/05	9.2	166.1	3/14/06	14	181.7	11/15/06	7.8	195.9	7/18/07	4.2	204.4	3/27/08	3.2	209.8	11/19/08	7.9	213.2	8/25/09	5.0	217.1	4/27/10	0.9	219.9
6/19/03	50	58.6	2/25/04	50	111.0	10/21/04	27	147.1	6/15/05	19	166.2	3/22/06	16	182.2	11/29/06	0	195.9	7/25/07	4.7	204.6	4/1/08	2.7	209.9	11/25/08	2.8	213.3	9/1/09	2.9	217.2	5/4/10	3.7	220.0
6/23/03	54	59.4	3/3/04	45	112.8	10/27/04	28	147.2	6/24/05	12	166.7	3/29/06	12	182.3	12/7/06	14	196.2	7/31/07	3.6	204.7	4/8/08	2.8	210.0	12/2/08	2.6	213.4	9/8/09	2.6	217.3	5/11/10	5.2	220.1
6/30/03	56	60.7	3/8/04	46	113.7	11/3/04	22	147.7	6/30/05	20	167.1	4/6/06	13	182.5	12/13/06	12	197.0	8/8/07	3.6	204.8	4/17/08	3.5	210.2	12/9/08	2.8	213.5	9/16/09	3.3	217.3	5/17/10	2.0	220.1
7/11/03	56	62.4	3/18/04	23	115.0	11/9/04	35	148.4	7/7/05	27	167.8	4/12/06	18	182.7	12/20/06	6.1	197.6	8/16/07	4.3	205.1	4/22/08	3	210.2	12/17/08	22	213.8	9/22/09	2.7	217.4	5/25/10	0.0	220.1
7/14/03	31	62.9	3/22/04	32	115.2	11/16/04	27	148.7	7/14/05	12	168.2	4/19/06	17	182.8	12/27/06	2.9	197.7	8/23/07	4.1	205.2	4/29/08	2.5	210.2	12/23/08	0	213.8	9/29/09	3.6	217.4	6/2/10	0.0	220.1
7/23/03	55	65.2	3/30/04	28	116.7	11/23/04	26	149.1	7/19/05	14	168.8	4/25/06	17	183.3	1/3/07	0	197.9	8/29/07	3.6	205.4	5/6/08	3.1	210.4	12/30/08	5	214.0	10/6/09	3.1	217.5	6/14/10	2.8	220.1
7/30/03	75	68.0	4/9/04	4.7	116.9	12/2/04	21	149.8	7/29/05	10	169.2	5/3/06	14	183.6	1/10/07	5.2	198.4	9/6/07	1.8	205.6	5/15/08	2.4	210.5	1/6/09	4.0	214.3	10/13/09	3.1	217.6	6/22/10	1.4	220.3
8/7/03	49	69.1	4/14/04	38	117.9	12/7/04	24	150.2	8/2/05	10	169.5	5/11/06	12	183.8	1/18/07	6.7	198.4	9/12/07	5.3	205.7	5/20/08	4.1	210.6	1/13/09	4.5	214.3	10/20/09	3.0	217.7	6/29/10	2.3	220.4
8/20/03	58	70.8	4/21/04	55	119.8	12/14/04	48	150.9	8/9/05	13	169.6	5/17/06	23	183.9	1/23/07	4.7	198.9	9/18/07	6.8	205.7	5/27/08	3.1	210.7	1/20/09	5.7	214.5	10/27/09	5.1	217.8	7/7/10	2.4	220.5
8/26/03	53	72.7	4/28/04	51	121.6	12/21/04	23	151.5	8/17/05	17	170	5/24/06	28	184.0	2/1/07	9.3	199.5	9/26/07	5.5	205.8	6/5/08	2.5	210.8	1/27/09	7.8	214.7	11/3/09	3.7	218.0	7/13/10	2.5	220.7
9/2/03	51	73.9	5/3/04	47	123.0	12/27/04	34	151.6	8/24/05	8.3	170.3	5/30/06	18	184.3	2/8/07	14	199.7	10/3/07	7.6	206.0	6/10/08	2.7	210.8	2/3/09	5.6	214.8	11/10/09	2.8	218.0	7/20/10	0.0	220.8
9/10/03	52	75.8	5/10/04	47	124.7	1/4/05	26	152.2	8/31/05	12	170.6	6/7/06	16	184.7	2/15/07	10	200.1	10/8/07	5.2	206.1	6/17/08	4.8	210.9	3/9/09	6.1	215.0	11/17/09	4.8	218.1	7/29/10	3.4	220.8

Note: The influent sample is the combined water from recovery wells operating at time of sample collection.

TABLE 1

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FSP&T Influent PCE Concentrations and Cumulative VOCs Recovered

Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)	Date	Influent PCE Conc. (ug/l)	Cumulative Total VOCs Recovered (lbs)
8/3/10	0.0	220.8	4/19/11	0.0	221.4	12/27/11	1.2	222.7	8/21/12	1.1	224.8	5/14/13	0.6	225.5	3/25/14	6	226.8	8/10/2015	0.68	227.8	2/2/2017	4.3	228.5
8/10/10	0.0	220.8	4/26/11	1.2	221.5	1/3/12	1.6	222.8	8/27/12	1.0	224.8	5/23/13	0.9	225.5	4/8/14	20	226.9	8/24/2015	0.94	227.8	3/1/2017	4.4	228.5
8/31/10	0.0	220.8	5/3/11	0.0	221.5	1/10/12	1.4	222.8	9/4/12	0.9	224.8	5/29/13	0.6	225.5	4/21/14	28	227.1	9/11/2015	0.83	227.8	4/7/2017	6	228.6
9/7/10	0.0	220.8	5/11/11	1.1	221.5	1/17/12	1.3	222.8	9/11/12	0.7	224.9	6/4/13	1.0	225.5	5/8/14	6.6	227.2	9/21/2015	0.81	227.8	5/3/2017	34	228.9
9/16/10	0.0	220.8	5/17/11	0.7	221.5	1/24/12	0.8	222.9	9/18/12	1.0	224.9	6/12/13	4.5	225.6	5/20/14	3.2	227.2	10/5/2015	0.62	227.8	6/1/2017	6.8	229.0
9/22/10	0.0	220.8	5/23/11	1.6	221.6	2/2/12	1.5	222.9	9/27/12	0.9	224.9	6/17/13	7.0	225.7	6/3/14	7	227.3	10/20/2015	0.28	227.8	7/6/2017	0.26	229.1
9/27/10	0.0	220.8	6/6/11	1.1	221.6	2/10/12	0.8	223.0	10/1/12	0.9	225.0	6/25/13	3.3	225.8	7/1/14	4.7	227.3	11/5/2015	0.36	227.8	8/1/2017	0.32	229.1
10/4/10	2.5	220.8	6/14/11	0.6	221.6	2/14/12	0.8	223.0	10/8/12	0.9	225.0	7/1/13	13.0	225.9	7/24/14	3	227.3	11/17/2015	0.48	227.8	9/5/2017	1.1	229.1
10/13/10	0.0	220.8	6/21/11	0.8	221.6	2/21/12	2.3	223.2	10/16/12	0.8	225.0	7/9/13	7.4	226.0	8/6/14	2	227.3	12/3/2015	0.45	227.8	10/4/2017	0.22	229.1
10/20/10	0.4	220.8	6/27/11	0.5	221.6	3/2/12	1.1	223.2	10/22/12	0.7	225.1	7/16/13	0.7	226.0	8/21/14	1.8	227.3	12/15/2015	0.35	227.8	11/1/2017	0.82	229.1
10/28/10	2.3	220.9	7/6/11	0.6	221.6	3/6/12	0.8	223.2	10/31/12	0.7	225.1	7/25/13	1.0	226.0	9/17/14	0.6	227.3	12/29/2015	2.4	227.9	12/5/2017	0.79	229.1
11/4/10	1.4	220.9	7/12/11	0.5	221.6	3/13/12	2.4	223.4	11/5/12	0.7	225.1	7/29/13	1.9	226.0	9/30/14	0.96	227.3	1/6/2016	3.2	228.1	1/3/2018	0.42	229.1
11/11/10	0.0	220.9	7/19/11	0.8	221.7	3/19/12	1.7	223.4	11/12/12	0.7	225.1	8/6/13	2.1	226.1	10/14/14	1.1	227.4	1/20/2016	3.4	228.1	2/1/2018	0.27	229.1
11/16/10	2.5	221.0	7/25/11	0.6	221.7	3/27/12	1.3	223.5	11/19/12	0.8	225.1	8/13/13	2.0	226.1	10/28/14	0.38	227.4	2/1/2016	4.2	228.1	3/1/2018	5.00	229.2
11/22/10	2.0	221.0	8/1/11	0.5	221.7	4/3/12	1.7	223.6	11/27/12	1.3	225.2	9/3/13	1.4	226.1	11/13/14	0.37	227.4	2/17/2016	2.2	228.1	4/2/2018	16.00	229.3
12/1/10	1.7	221.0	8/18/11	0.0	221.7	4/10/12	1.3	223.7	12/3/12	1.0	225.2	9/12/13	1.1	226.1	11/24/14	0.9	227.4	3/1/2016	6.5	228.2	5/2/2018	2.90	229.3
12/7/10	0.0	221.0	8/23/11	0.0	221.7	4/19/12	0.6	223.8	12/12/12	1.0	225.2	9/26/13	3.2	226.1	12/9/14	1.4	227.4	3/16/2016	9.5	228.2	6/5/2018	4.50	229.4
12/14/10	0.4	221.0	8/30/11	0.0	221.7	4/23/12	0.5	223.8	12/18/12	0.9	225.2	10/1/13	2.2	226.2	12/22/14	0.67	227.4	3/29/2016	7.8	228.2	7/2/2018	2.80	229.4
12/21/10	0.0	221.1	9/7/11	0.0	221.7	5/2/12	0.8	223.9	12/28/12	0.9	225.2	10/8/13	2.7	226.2	1/6/2015	0.37	227.4	4/5/2016	7.9	228.3	8/28/2018	0.00	229.4
12/29/10	0.5	221.1	9/16/11	1.9	221.7	5/11/12	0.7	223.9	1/2/13	1.2	225.2	10/17/13	1.5	226.3	1/22/2015	1.1	227.4	4/19/2016	30	228.3	9/21/2018	0.81	229.4
1/4/11	1.4	221.1	9/22/11	0.0	221.8	5/17/12	0.7	223.9	1/7/13	0.8	225.3	10/24/13	2.0	226.3	2/5/2015	7.2	227.5	5/2/2016	2.2	228.3	10/5/2018	0.98	229.4
1/20/11	0.4	221.1	9/28/11	1.0	221.8	5/23/12	1.2	224.0	1/14/13	1.0	225.3	10/28/13	0.0	226.3	2/17/2015	6.3	227.5	5/17/2016	4.3	228.3	11/1/2018	0.25	229.4
1/25/11	0.3	221.1	10/6/11	0.0	221.8	5/30/12	1.2	224.0	2/14/13	1.5	225.3	11/4/13	1.1	226.3	3/3/2015	3.9	227.5	6/7/2016	2.6	228.3	12/5/2018	21.70	229.5
2/1/11	0.3	221.1	10/11/11	0.0	221.8	6/7/12	3.2	224.1	2/20/13	1.1	225.3	11/11/13	0.0	226.3	3/17/2015	6.5	227.5	6/23/2016	1.5	228.3			
2/8/11	0.6	221.1	10/18/11	0.8	221.8	6/14/12	2.5	224.1	2/25/13	0.9	225.3	11/18/13	0.9	226.4	4/1/2015	6.2	227.6	7/7/2016	1.3	228.3			
2/17/11	2.1	221.2	10/25/11	1.1	221.9	6/20/12	4.7	224.2	3/13/13	1.0	225.4	11/26/13	0.9	226.4	4/17/2015	5.3	227.6	7/19/2016	1.3	228.4			
2/23/11	2.5	221.2	11/1/11	1.7	222.0	6/26/12	5.8	224.2	3/20/13	0.9	225.4	12/2/13	1.0	226.4	5/1/2015	6.6	227.7	8/2/2016	1.0	228.4			
3/2/11	0.9	221.3	11/8/11	0.7	222.0	7/2/12	2.9	224.3	3/28/13	0.7	225.4	12/9/13	1.4	226.4	5/13/2015	3.5	227.7	8/16/2016	1.3	228.4			
3/10/11	1.6	221.3	11/15/11	1.4	222.1	7/10/12	3.2	224.3	4/4/13	0.7	225.4	12/16/13	0.9	226.4	5/27/2015	2	227.7	9/1/2016	0.7	228.4			
3/15/11	1.6	221.3	11/24/11	1.3	222.2	7/16/12	1.4	224.4	4/9/13	0.8	225.4	12/23/13	1.1	226.4	6/3/2015	4	227.7	9/16/2016	0.0	228.4			
3/22/11	2.2	221.3	11/28/11	1.8	222.3	7/25/12	1.4	224.4	4/16/13	0.9	225.4	1/14/14	9.5	226.6	6/17/2015	1.6	227.7	10/17/2016	0.4	228.4			
3/29/11	0.0	221.3	12/6/11	1.5	222.4	7/31/12	0.7	224.5	4/22/13	0.7	225.4	1/28/14	3.4	226.7	7/1/2015	1.7	227.7	11/1/2016	0.4	228.4			
4/5/11	2.3	221.4	12/13/11	2.6	222.5	8/8/12	0.9	224.8	4/29/13	0.8	225.5	2/27/14	13	226.7	7/15/2015	1.9	227.8	12/1/2016	1.2	228.4			
4/12/11	1.3	221.4	12/20/11	0.8	222.6	8/15/12	0.7	224.8	5/8/13	0.8	225.5	3/18/14	6.2	226.8	7/30/2015	1.3	227.8	1/3/2017	0.9	228.4			

TABLE 2

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Effluent Water Quality Results for FSP&T System

Date Sampled [2/]	pH [1/]	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**6.5 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
3-Jan-18	6.9	114	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.02	0.025
1-Feb-18	6.8	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.43	0.032
1-Mar-18	6.8	147	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.15	0.057
2-Apr-18	6.8	136	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.99	0.034
2-May-18	6.8	151	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	8.05	0.049
5-Jun-18	6.8	138	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.25	ND<0.2
2-Jul-18	6.8	114	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.50	0.127
28-Aug-18	6.9	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.124	0.125
21-Sep-18	6.8	155	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	7.48	0.037
5-Oct-18	6.9	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.66	ND<0.2
1-Nov-18	6.8	193	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.84	ND<0.2
5-Dec-18	6.9	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.84	ND<0.2

SPDES: State Pollutant Discharge Elimination System
mg/l: Milligrams per liter
ug/l: Micrograms per liter
----: Not established
NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
1,1,1-TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
trans-1,2,-DCE: trans-1,2-Dichloroethene
J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ND: Not detected

Notes:
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month.

TABLE 3

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Summary of Vapor-Phase Carbon Unit Operating Data

Date	Operating Time [1/] (hours)	Air Flow Rate [2/] (scfm)	Post-Carbon VOC Vapor Conc. [3/] (mg/m^3)	VOC Emissions (lb/hr)	VOC Emissions (lb)
1/17/2018	401	2,950	0.091	0.00100	0.402
4/2/2018	1493	2,889	0.014	0.00015	0.227
8/28/2018	1048	2,970	0.012	0.00014	0.143
10/5/2018	906	2,970	0.035	0.00039	0.355
Avg.	**N/A**	**2,945**	**0.038**	**0.00042**	**N/A**
Total	**3,848**	**--**	**--**	**--**	**1.13**

[1/] The operating time shown for Jan. 2018 represents that month. The operating time shown for April, July and October represents that month and the two preceding months. The operating time shown for Jan. 2019 represents the hours of operation for the two preceding months (November and December 2018).

[2/] The air flow rate represents a manual air flow measurement using a calibrated air flow meter measured from the pipe downstream of the air stripper blower and the booster blower.

[3/] Air quality sampling was collected quarterly during the months of January, April, July and October from the piping located downstream of the vapor phase carbon vessels.

TABLE 4

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Carbon Unit System Air Quality Results

Precarbon			Parameters (mg/m3)													TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ011718:1430NP4-1	1/17/2018	14:30	0.0042	0.0032	0.0008	ND	0.0020	ND	0.0012	ND	ND	0.0010	0.0220	ND	ND	0.06
AQ040218:1405NP4-1	4/2/2018	14:05	0.0110	0.0003	ND	ND	0.0002	ND	0.0065	ND	ND	ND	ND	ND	ND	0.03
AQ082818:800NP4-1	8/28/2018	8:00	0.0055	ND	ND	ND	ND	ND	0.0034	ND	ND	ND	ND	ND	ND	0.02
AQ100518:1230NP4-1	10/5/2018	12:30	0.0038	0.0004	ND	ND	0.0007	ND	0.0037	0.3100	0.0096	ND	ND	0.0084	ND	0.37

Postcarbon			Parameters (mg/m3)													TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ011718:1435:NP-3	1/17/2018	14:35	0.0011	ND	ND	ND	0.0003	ND	0.0006	ND	ND	ND	0.0460	ND	ND	0.09
AQ040218:1400NP4-3	4/2/2018	14:00	0.0015	ND	0.0009	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ082818:205NP4-3	8/28/2018	8:05	0.0062	ND	ND	ND	0.0061	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ100518:1235NP4-3	10/5/2018	12:30	ND	ND	ND	ND	0.0022	ND	0.0041	0.0027	0.0008	ND	0.0057	0.0007	ND	0.04

PCE: Tetrachoroethylene
TCE: Trichloroethene
TCA: 1,1,1-Trichloroethane
DCE: 1,1-Dichloroethene
DCA: 1,1-Dichloroethane
cis-DCE: cis-1,2-Dichloroethene
trans-DCE: trans-1,2-Dichloroethylene
CF: Chloroform
MC: Methylene Chloride
EB: Ethilbenzene

NA - Not Applicable. Method blank contamination. The associated method blank contains the target analyte at a reportable level.
NS - Not Sampled
ND - Not Detected
B - Method blank contamination, the associated method blank contains the target analyte at a reportable level.

The air quality results summarized above are for the compounds listed in the FSP&T groundwater discharge permit. Low concentrations of additional compounds are accounted for in the Total VOCs column, however, are not listed.

[1/] While none of the primary constituents of concern were detected in the effluent air sample as indicated in the table above, low concentrations of acetone and carbon disulfide were detected.
[2/] Sample was inadvertantly misslabled as NP4-2 and is listed as such in the laboratory report and on the Chain of Custody. However, the air sample was collected from the NP4-3 sample port.

TABLE 5

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Recovery Well Construction Details

Well	Location	Top of Casing Elevation (ft msl)	Well Diameter (in)	Total Well Depth (ft btoc)	Screen Setting (ft btoc)	Screen Type and Size	Pump Setting [1/] (ft btoc)	Casing Setting (ft bg)	Casing Material	Gravel Size and Setting (ft bg)	Surface Completion	Date Constructed
Focus Recovery Wells												
FRW-1	Former drum storage area.	31.02	4	32	20-30	40-slot, PVC	27	0-20	PVC	No. 1: 18-30	Flush mount, steel collar	10/24/2000
FRW-2	Former drum storage area.	29.58	4	30	18-28	40-slot, PVC	25	0-18	PVC	No.1: 16-28	Flush mount, steel collar	10/25/2000
FRW-3	Former drum storage area.	29.38	4	30.5	18.5-28.5	20-slot, PVC	25.5	0-18.5	PVC	No.1: 16.5-28.5	Flush mount, steel collar	10/25/2000
FRW-4	Former drum storage area.	28.84	4	32	20-30	40-slot, PVC	27	0-20	PVC	No. 1: 20-30	Flush mount, steel collar	10/24/2000
Full Scale Pump and Treat Recovery Wells												
RW-1	Onsite in front of Sag Harbor Industries main building.	33.81	8	64	37-50	45-slot, stainless steel wire wrapped screen.	57	2-32	Low carbon steel	No. 1: 32-45	In 5' x 5' well vault.	April 12, 2000
					60-61	80-slot, stainless steel wire wrapped screen.		32-37	Stainless steel	No. 3: 45-64		
RW-2	Northwest corner of the FSP&T remediation building.	25.75	8	60	30-60	20-slot, stainless steel.	52	2-30	Stainless steel	No. 1: 0-60	In 5' x 5' well vault	May 6, 1996
RW-3	In back of (northeast side) FSP&T remediation building.	13.04	8	40	13-27	30-slot, stainless steel wire wrapped screen.	32	2-8	Low carbon steel	No. 0: 8-22	In 4' x 4' well vault.	April 17, 2000
					27-37	80-slot, stainless steel wire wrapped screen.		8-13	Stainless steel	No. 3: 22-40		
RW-4	Sag Harbor Turnpike.	19.01	8	51	27-48	50-slot, stainless steel wire wrapped screen.	32	2-22	Low carbon steel	No. 1 (60%) and No.2 (40%) mix	In 5' x 5' well vault.	May 23, 2000
								22-27	Stainless Steel			
RW-5	Carroll St.	25.33	8	67	24-36	80-slot, stainless steel wire wrapped screen.	48	2-19	Low carbon steel	No. 3: 19-50	In 5' x 5' well vault.	May 11, 2000
					50-64	50-slot, stainless steel wire wrapped screen.		19-24 and 36-50	Stainless Steel	No. 1 (70%) and No.2 (30%) mix: 50-67		
RW-6	Carroll St.	21.69	8	80	30-80	20-slot, stainless steel.	69	2-30	Stainless Steel	No. 1: 0-80	In 4' x 4' well vault	May 16, 1996
RW-7	Carroll St.	18.35	6	106	14-103	75-slot, stainless steel wire wrapped screen.	92	2-9	Low carbon steel	No. 2 (50%) and No. 3 (50%) mix: 9-106	In 5' x 5' well vault.	July 24, 2000
								9-14	Stainless Steel			
RW-8	Brick Kiln Rd.	11.25	8	103	15-100	50-slot, stainless steel wire wrapped screen.	85	2-10	Low carbon steel	No. 1 (50%) and No. 2 (50%) mix: 10-103	In 5' x 5' well vault.	June 6, 2000
								10-15	Stainless Steel			
RW-9	Noyac Road	7.6	8	75	13-55	75-slot, stainless steel wire wrapped screen.	66	2-8	Low carbon steel	No. 2 (50%) and No. 3 (50%) mix: 13-55	In 5' x 5' well vault.	May 1, 2000
					55-72	60-slot, stainless steel wire wrapped screen.		8-13	Stainless Steel	No. 2: 55-75		

1/ Pump setting indicates approximate depth of pump intake.
FSP&T Full Scale Pump and Treat
(ft msl) Feet above mean sea level.
(in) Inches
(ft btoc) Feet below top of casing.
(ft bg) Feet below grade.

TABLE 6

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

2017 and 2018 Volume Pumped and Average Flow Rate of Groundwater from Recovery Wells and Focused Recovery Wells

Recovery Well	Volume Pumped (gal)		Average Flow Rate (gpm) [2/]	
	2017	2018	2017	2018
RW-2	10,182,221	6,228,393	26	27
FRW-1	250,240	427,221	1.9	6.4
FRW-2	39,141	91,882	2.0	5.1
FRW-3	191,977	419,840	2.8	4.2
FRW-4	1,960,195	1,610,367	5.8	6.2
FSP&T System Total Effluent [1/]	13,178,655	8,481,499	--	--

1. The discrepancy between the Total System Effluent Meters and the Total Individual Meters in 2017 & 2018 reflect water that was generated and treated thru the FSP&T system during maintenance events as well as periods when one or multiple flow meters stopped functioning due to iron fouling.

2. The flow rates for RW-2 are based on an average continuous flow rate when the pump was operating. The FRW pumps cycle on and off based on the available water column in the well and therefore the average flow rates are based on direct observation of the instantaneous flow rates that are documented during normal O&M events.

TABLE 7

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

2017 and 2018 Recovery Well 2 Water Quality Results - FSP&T System

Recovery Well	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	**5**	**5**	**5**	**7**	**NE**	**5**	**5**	**5**	**5**	**NE**	**NE**	**5**	**5**
RW-2	9-Jan-17	0.30 J	0.43 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Feb-17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Mar-17	0.28 J	0.47 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	7-Apr-17	0.53	0.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	11-May-17	0.54	0.37 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Jun-17	0.29	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	6-Jul-17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Aug-17	0.23 J	0.26 J	ND<0.5	0.24 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Sep-17	0.23 J	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	4-Oct-17	0.24 J	0.34 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-17	0.31 J	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Dec-17	0.27 J	0.42 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	3-Jan-18	0.28 J	0.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Feb-18	0.33 J	0.59	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Mar-18	0.41 J	0.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Apr-18	0.28 J	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-May-18	0.32 J	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Jun-18	0.21 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Jul-18	0.22 J	ND<0.5	ND<0.5	0.28 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	28-Aug-18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	21-Sep-18	0.37 J	0.26 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Oct-18	0.25 J	ND<0.5	ND<0.5	0.37	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-18	ND<0.5	ND<0.5	ND<0.5	0.29	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-18	0.30	0.38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

PCE: Tetrachloroethylene TCE: Trichloroethylene TCA: 1,1,1-Trichloroethane
MTBE: Methyl-tertiary-butyl-ether NS: Not sampled
ND: Not detected
<#: Less than method detection limit
ug/L: Micrograms per liter
-: Not analyzed
J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ARAR's are chemical specific aquifer restoration goals for ground water at the Former Rowe Industries Superfund Site.
NE indicates that the ARAR goal was not established for this compound by the EPA.
Bold values indicate an exceedence of the ARAR standard established for the site.

TABLE 8

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Recovery Well FRW-1 VOC Concentrations, micrograms per liter

FRW-1										
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**11DCA**	**124TCB**	**Toluene**	**Bromo-methane**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**5** [1/]	**5**	**5** [1/]	**NE**
The FRWs were off from December 28 to January 3, 2017 and January 5 to January 9, 2017										
9-Jan-17	**120**	1.9	1.7	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between January 23 and February 2, 2017										
2-Feb-17	**460**	**8.5**	**20**	ND<0.5	3.5	0.59 J	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between February 20 and February 22, 2017										
1-Mar-17	**110**	3.9	**6.3**	ND<0.5	0.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017										
7-Apr-17	**240**	3.8	2.2	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3 J
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017										
3-May-17	**200**	2.0	2.3	ND<0.5	2.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0
1-Jun-17	**94**	2.5	4.5	ND<0.5	0.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017										
6-Jul-17	3.6	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 31 to August 28, 2017										
1-Aug-17 [2/]	**16**	0.41 J	0.44 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Sep-17	**34**	0.93	2.9	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017										
4-Oct-17	**56**	1.7	**7.8**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017										
1-Nov-17	**72**	1.3	1.7	ND<0.5	0.37 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to December 5, 2017										
5-Dec-17	**55**	1.5	3.4	ND<0.5	0.4 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
FRW-1 was off from December 6 to 12 and December 24, 2017 to February 9, 2018										
1-Feb-18	**63**	**7.4**	**28**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
1-Mar-18	**110**	2.7	1.8	ND<0.5	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018										
2-Apr-18	**83**	0.31 J	ND<0.5	ND<0.5	0.25 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018										
2-May-18	**97**	0.86	0.46 J	ND<0.5	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018										
20-Jun-18	**25**	0.76	0.68	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
2-Jul-18	**22**	0.66	0.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018										
28-Aug-18 [3/4]	**7.3**	4.2	**9.1**	0.22	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.1 I
21-Sep-18	**20**	1.3	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Oct-18	1.2	ND<0.5	0.28	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 27 to October 29, 2018										
1-Nov-18	**5.1**	0.78	3.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Dec-18	**43**	1.1	0.74	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.
3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in laboratories was detected in the groundwater sample at 278 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates. This is not a compound typically detected in groundwater samples from the site. Turned wells on only long enough to collect sample.
4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

I = ICV-E: The value reported is estmated. The value is estimated due to its behavior durig initial calibration verification (recovery exceeded 30% of expected value).

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
ND: Not detected

PCE: Tetracholoethylene
TCE: Trichloroethene
cis12DCE: cis-1,2-Dichloroethene
VC: Vinyl Chloride
TCA: 1,1,1-Trichloroethane
11DCA: 1,1-Dichloroethane
124TCB: 1,2,4-Trimethylbenzene

Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l

TABLE 9

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Recovery Well FRW-2 VOC Concentrations, migcrograms per liter

FRW-2								
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**Toluene**	**2-Hexanone**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**NE**	**NE**
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017								
9-Jan-17	**27**	**6.4**	**7.3**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between January 23 to February 2, 2017								
2-Feb-17	**100**	**10**	**39**	1.4	0.63	ND<5.0	ND<0.5	2.2
The FRWs were off between February 20 to February 22, 2017								
1-Mar-17	**40**	1.0	0.52	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017								
7-Apr-17	**93**	2.6	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.1
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017								
3-May-17	**68**	**11**	**9.3**	ND<0.5	0.35 J	ND<0.5	ND<0.5	2.4
1-Jun-17	**16**	1.0	0.92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRW-2 was off from June 7 to June 9 and from June 21 to 29, 2017								
6-Jul-17	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8
The FRWs were off from July 31 to August 28, 2017								
1-Aug-17 [2/]	**7.0**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1
5-Sep-17	**33**	0.85	0.59	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017								
4-Oct-17	**50**	2.7	0.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.0
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017								
1-Nov-17	**45**	0.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017								
5-Dec-17	**38**	3.4	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018								
1-Feb-18	**37**	3.2	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8
1-Mar-18	**48**	0.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018								
2-Apr-18	**140**	1.2	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018								
2-May-18	**29**	0.92	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018								
20-Jun-18	3.8	1.4	0.44 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
2-Jul-18	3.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018								
28-Aug-18 [3/4]	ND<0.5	0.30	**29**	**2.48**	ND<0.5	0.51	ND<0.5	ND<2
21-Sep-18	**12**	1.83	**15**	0.73	ND<0.5	ND<0.5	ND<0.5	2.1
5-Oct-18	1.86	ND<0.5	0.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 27 to October 29, 2018								
1-Nov-18	3.2	0.61	0.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Dec-18	**19**	0.59	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not
2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater
3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in

laboratories was detected in the groundwater sample at 204 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates.

This is not a compound typically detected in groundwater samples from the site. Turned wells on only emporarily to collect groundwater sample.
4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
ND: Not detected

PCE: Tetrachloroethylene
TCE: Trichloroethene
cis12DCE: cis-1,2-Dichloroethene
VC: Vinyl chloride
TCA: 1,1,1-Trichloroethane

Comments:

As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL)

TABLE 10

2018 ANNUAL SUMMARY REPORT
FORMER TOWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TAURNPIKE
SAG HARBOR, NEW YORK

Recovery Well FRW-3 VOC Concentrations, micrograms per liter

FRW-3												
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**11DCA**	**TCA**	**135TMB**	**IPB**	**NPB**	**Toluene**	**2-Hexanone**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**5** [1/]	**5** [1/]	**5** [1/]	**5**	**NE**	**NE**
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017												
9-Jan-17	**53**	**5.1**	**17**	ND<0.5	ND<0.5	0.40 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between January 23 to February 2, 2017												
2-Feb-17	**18**	3.7	**24**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.76	0.63	ND<0.5	ND<0.5	ND<2
The FRWs were off between February 20 to February 22, 2017												
1-Mar-17	**50**	**5.7**	**20**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.99	0.64	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017												
7-Apr-17	**65**	**5.0**	**41**	1.4	ND<0.5	ND<0.5	ND<0.5	0.71	0.49 J	ND<0.5	ND<0.5	ND<2
FRW-3 was off from April 17 to April 26, 2017 and April 27 to May 11, 2017												
11-May-17	**130**	**5.8**	**8.5**	0.24 J	ND<0.5	0.35 J	ND<0.5	0.35 J	0.30 J	ND<0.5	ND<0.5	ND<2
FRW-3 was off from o May 17 to June 1, 2017												
1-Jun-17	**83**	**5.8**	**12**	0.37 J	ND<0.5	ND<0.5	ND<0.5	0.38 J	0.38 J	ND<0.5	ND<0.5	1.0
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017												
6-Jul-17	3.4	0.70	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.4
The FRWs were off from July 31 to August 28, 2017												
1-Aug-17 [2/]	**35**	1.9	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6
5-Sep-17	**15**	1.7	**6.1**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017												
4-Oct-17	**21**	**6.0**	**15**	1.2	ND<0.5	ND<0.5	ND<0.5	0.48 J	0.40 J	ND<0.5	ND<0.5	2.7
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017												
1-Nov-17	**17**	1.2	3.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J	0.30 J	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017												
5-Dec-17	**37**	1.8	2.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.37 J	0.33 J	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018												
1-Feb-18	**22**	2.0	3.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<2
1-Mar-18	**120**	**7.9**	**18**	ND<0.5	0.26 J	0.65	ND<0.5	0.49 J	0.34 J	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018												
2-Apr-18	**170**	4.5	0.2 J	0.25 J	ND<0.5	0.71	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	1.2 J
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018												
2-May-18	**140**	**9.4**	**11**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018												
20-Jun-18	**39**	**6.8**	4.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.5 J
2-Jul-18	**49**	1.4	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018												
8/28/2018 [3/]	**6.2**	0.99	**20**	0.84	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.77 J
21-Sep-18	**20**	2.99	**20**	**2.0**	ND<0.5	ND<0.5	ND<0.5	0.22 J	0.30 J	ND<0.5	ND<0.5	1.53 J
5-Oct-18	0.73	0.53	4.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 27 to October 29, 2018												
1-Nov-18	2.9	0.81	3.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Dec-18	**109**	**6.8**	**7.0**	ND<0.5	ND<0.5	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.97

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.
3. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method
ND: Not detected

PCE: Tetrachloroethylene
cis12DCE: cis-1,2-Dichloroethene
11DCA: 1,1-Dichloroethane
TCE: Trichloroethene
VC: Vinyl Chloride
TCA: 1,1,1-Trichloroethane
IPB: Isopropylbenzene
135TMB: 1,3,5-Trimethylbenzene
NPB: n-Propylbenzene

Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC.

TABLE 11

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Recovery Well FRW-4 VOC Concentrations, micrograms per liter

FRW-4						
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**NE**
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017						
9-Jan-17	**16**	1.8	**6.4**	ND<0.5	0.27 J	ND<2
The FRWs were off between January 23 to February 2, 2017						
2-Feb-17	**5.1**	1.4	**17**	ND<0.5	ND<0.5	ND<2
The FRWs were off between February 20 to February 22, 2017						
1-Mar-17	4.0	0.60	2.2	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017						
7-Apr-17	**7.6**	1.2	2.9	ND<0.5	ND<0.5	1.3
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017						
3-May-17	**40**	3.5	**15**	ND<0.5	0.42 J	2.1
1-Jun-17	**8.8**	0.50	2.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017						
6-Jul-17	0.27 J	ND<0.5	0.28 J	ND<0.5	ND<0.5	1.1
The FRWs were off from July 31 to August 28, 2017						
1-Aug-17 [2/]	0.80	ND<0.5	0.28 J	ND<0.5	ND<0.5	1.6
5-Sep-17	2.7	0.42 J	0.51	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017						
4-Oct-17	**9.8**	3.9	4.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017						
1-Nov-17	3.0	0.32 J	0.78	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017						
5-Dec-17	**5.1**	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018						
1-Feb-18	**21**	2.5	**7.0**	ND<0.5	0.27 J	2.5
1-Mar-18	3.0	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018						
2-Apr-18	3.2	0.32 J	1.0	ND<0.5	ND<0.5	ND<2
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018						
2-May-18	**19**	ND<0.5	1.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018						
20-Jun-18	1.4	0.22 J	ND<0.5	ND<0.5	ND<0.5	1.5
2-Jul-18	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018						
28-Aug-18 [3/4]	ND<0.5	0.45 J	4.95	ND<0.5	ND<0.5	10.3
21-Sep-18	4.2	1.02	1.38	ND<0.5	ND<0.5	ND<2
5-Oct-18	0.26	ND<0.5	0.63	ND<0.5	ND<0.5	1.23
The FRWs were off from October 27 to October 29, 2018						
1-Nov-18	0.87	0.28	1.49	ND<0.5	ND<0.5	ND<2
5-Dec-18	2.4	0.45	0.65	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were
2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a
3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in laboratories was detected in the groundwater sample at 308 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates. This is not a compound typically detected in groundwater samples from the site.
4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.

PCE: Tetrachloroethylene
cis12DCE: cis-1,2-Dichloroethene
TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
VC: Vinyl Chloride
ND: Not detected

Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal to the method detection limit (MDL). A value reported below the RL but above the MDL is considered an estimated value and flagged with a "J". The calibration curve was adjusted to a reporting limit of 0.5 ug/l during October 2011.

TABLE 12

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Monitor Well Construction Details

Well	Location	Top of Casing Elevation (ft msl)	Well Diameter (in)	Installed Total Depth (ft btoc)	Measured TD (ft btoc)	Date Measured	Screen Setting (ft bg)	Screen Type and Size	Casing Material	Surface Completion	Date Constructed	Comment
MW-B1	Discharge Basin	35	2	52.0	52.0	9/14/2010	45-55	PVC	SCH40 PVC	stick-up		
MW-B2	Discharge Basin	37.66	2	53.0	52.9	9/22/2011	45-55	PVC	SCH40 PVC	stick-up		
MW-B3	Discharge Basin	31.62	2	52.0	52.7	9/22/2011	45-55	PVC	SCH40 PVC	stick-up		
MW-B4	Discharge Basin	30.74	2	52.0	52.3	9/22/2011	45-55	PVC	SCH40 PVC	stick-up		
MW-28A	Onsite in back of main building	25.88	2	40.0	40.3	9/22/2011	30-40	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/8/2004	
MW-28B	Onsite in back of main building	25.95	2	50.0	50.7	9/22/2011	40-50	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/7/2004	
MW-42A	Bay Burger, SW section of parking lot (former Gingerbread House)	22.95	2	27.0	--	--	12-27	20-Slot, flush joint stainless-steel wire-wrapped	Flush joint stainless steel	flush mount curb box, asphalt to edge of curb box.	10/5/1989	Damaged during repaving of parking lot.
MW-42B	Bay Burger, SW section of parking lot (former Gingerbread House)	23.2	2	66.0	65.7	9/22/2011	56-66	20-Slot, flush joint stainless-steel wire-wrapped	Flush joint stainless steel	flush mount curb box, asphalt to edge of curb box.	10/6/1989	
MW-42C	Bay Burger, SW section of parking lot (former Gingerbread House)	23.14	2	98.0	--	--	88-98	20-Slot, flush joint stainless-steel wire-wrapped	Flush joint stainless steel	flush mount curb box, asphalt to edge of curb box.	10/9/1989	Damaged during repaving of parking lot.
MW-43A	Carroll St. near RW-6, in right of way at edge of road (blacktop).	22.81	2	29.0	28.7	9/22/2011	14-29	20-Slot, flush joint stainless-steel wire-wrapped	Flush joint stainless steel	flush mount curb box, asphalt to edge of curb box.	10/13/1989	
MW-43B	Carroll St. near RW-6, in right of way at edge of road (blacktop).	22.97	2	74.0	74.4	9/22/2011	64-74	20-Slot, flush joint stainless-steel wire-wrapped	Flush joint stainless steel	flush mount curb box, asphalt to edge of curb box.	10/16/1989	
MW-43C	Carroll St. near RW-6, in right of way at edge of road (blacktop).	23.06	2	107.0	107.4	9/22/2011	97-107	20-Slot, flush joint stainless-steel wire-wrapped	Flush joint stainless steel	flush mount curb box, asphalt to edge of curb box.	10/17/1989	
MW-44A	Onsite near RW-2	29.33	2	36.2	34.5	9/22/2011	16.2-36.2	20-Slot PVC	SCH40 PVC	flush mount, curb box	6/14/1991	
MW-44B	Onsite near RW-2	29.39	2	49.3	49.5	9/22/2011	39.2-49.2	20-Slot PVC	SCH40 PVC	flush mount, curb box	6/14/1991	
MW-44C	Onsite near RW-2	29.64	2	71.3	72.0	9/22/2011	61.3-71.3	20-Slot PVC	SCH40 PVC	flush mount, curb box	6/14/1991	
MW-45A	FDSA, Onsite near fence	27.9	2	28.8	28.8	9/22/2011	13.9-28.9	20-Slot PVC	SCH40 PVC	flush mount, curb box	6/10/1991	
MW-45B	FDSA, Onsite near fence	27.67	2	50.6	51.1	9/22/2011	40.5-50.5	20-Slot PVC	SCH40 PVC	flush mount, curb box	6/7/1991	
MW-46A	Onsite in woods	15.84	2	15.1	14.8	9/22/2011	5-15	20-Slot PVC	SCH40 PVC	steel stick-up		
MW-46B	Onsite in woods	16.4	2	40.0	45.5	9/22/2011	30-40	20-Slot PVC	SCH40 PVC	steel stick-up		
MW-47A	Onsite in woods	14.98	2	8.7	14.9	9/22/2011	0-10	20-Slot PVC	SCH40 PVC	steel stick-up	6/19/1991	
MW-47B	Onsite in woods	15.1	2	45.0	42.0	9/22/2011	35-45	20-Slot PVC	SCH40 PVC	steel stick-up	6/19/1991	
MW-48A	Lily Pond Road Background	31.26	2	35.0	34.7	9/22/2011	20-35	Steel	STEEL	flush mount, curb box with concrete collar	6/21/1991	
MW-48B	Lily Pond Road Background	32.13	2	70.0	47.5	9/22/2011	60-70	Steel	STEEL	flush mount, curb box with concrete collar	6/25/1991	
MW-49A	Noyac Road near RW-9	11.75	2	23.0	22.7	9/22/2011	8-23	PVC	SCH40 PVC	flush mount, curb box with concrete collar	6/26/1991	
MW-49B	Noyac Road near RW-9	11.75	2	68.7	69.5	9/22/2011	58-68	PVC	SCH40 PVC	flush mount, curb box with concrete collar	6/30/1991	
MW-49C	Noyac Road near RW-9	11.86	2	99.1	100.0	9/22/2011	90-100	PVC	SCH40 PVC	flush mount, curb box with concrete collar	7/5/1991	
MW-50A	Morris Cove Road	7.71	2	30.0	29.0	9/22/2011	15-30	Steel	STEEL	flush mount, curb box with concrete collar	7/9/1991	
MW-50B	Morris Cove Road	7.58	2	60.0	59.5	9/22/2011	50-60	Steel	STEEL	flush mount, curb box with concrete collar	7/10/1991	
MW-50C	Morris Cove Road	7.33	2	78.0	78.0	9/14/2010	67-77	Steel	STEEL	flush mount, curb box with concrete collar	7/15/1991	
MW-51A	FDSA, Onsite near fence	26.21	2	27.0	--	--	17-27	20-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	10/22/1991	Inaccessible, under concrete barrier.
MW-52A	FDSA, Onsite near fence, between concrete barrier and fence.	26.81	2	29.0	20.2	9/22/2011	19-29	20-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	10/23/1991	Destroyed in 2017 and abandoned in 2018.
MW-53	Carroll St. between RW-6 & 5, in grass.	24.19	2	50.0	50.4	9/22/2011	40-50	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	5/20/1996	
MW-54	Carroll St. between RW-6 & 5, in grass.	25.85	2	50.0	49.7	9/22/2011	40-50	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	5/21/1996	
MW-55	Hildreth Street near corner of Brick Kiln Road.	10.99	2	65.0	65.1	9/22/2011	55-65	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/8/2004	
MW-56A	Brick Kiln Road between Carroll and Hildreth	13.35	2	25.0	24.7	9/22/2011	15-25	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/15/2004	
MW-56B	Brick Kiln Road between Carroll and Hildreth	13.39	2	65.0	65.0	9/22/2011	55-65	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/15/2004	
MW-56C	Brick Kiln Road between Carroll and Hildreth	13.44	2	100.0	100.4	9/22/2011	90-100	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/14/2004	
MW-57A	Brick Kiln Road south of Carroll Street	20.72	2	19.0	19.3	9/14/2010	9-19	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/19/2004	
MW-57B	Brick Kiln Road south of Carroll Street	20.63	2	35.0	35.4	9/14/2010	25-35	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/19/2004	
MW-57C	Brick Kiln Road south of Carroll Street	18.63	2	100.0	99.9	9/14/2010	90-100	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	8/10/2004	

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1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Monitor Well Construction Details

Well	Location	Top of Casing Elevation (ft msl)	Well Diameter (in)	Installed Total Depth (ft btoc)	Measured TD (ft btoc)	Date Measured	Screen Setting (ft bg)	Screen Type and Size	Casing Material	Surface Completion	Date Constructed	Comment
MW-58A	SHI property southern driveway	31.48	2	30.9	30.3	3/22/2016	20-30	20-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	12/16/2015	
MW-58B	SHI property southern driveway	31.46	2	45.0	45.6	3/22/2016	35-45	20-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	12/16/2015	
MW-59A	SHI property parking lot, north side of building	33.88	2	27.9	27.8	3/21/2016	17-27	20-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	12/17/2015	
MW-59B	SHI property parking lot, north side of building	33.84	2	43.0	42.6	3/21/2016	32-42	20-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	2/1/2016	Pre-packed well screen
MW-98-01A	FDSA, Hagerman's property	30.49	2	27.0	27.4	9/22/2011	17-27	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	5/8/1998	
MW-98-01B	FDSA, Hagerman's property	29.49	2	45.0	--	--	35-45	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	4/14/1998	Abandoned
MW-98-02A	FDSA, Hagerman's property	--	2	27.0	--	--	17-27	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	5/8/1998	Abandoned
MW-98-02B	FDSA, Hagerman's property	--	2	45.0	--	--	35-45	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	4/15/1998	Abandoned
MW-98-03	FDSA, Christensen property	33.25	2	30.0	--	--	20-30	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	5/8/1998	Abandoned, access agreement not renewed.
MW-98-04	FDSA, Onsite on pavement	29.31	2	26.5	25.4	9/22/2011	16.5-26.5	20-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	5/11/1998	
MW-98-04B	FDSA, Onsite on pavement	27.94	2	41.0	37.2	3/22/2016	30-40	20-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	12/16/2015	Well installed with a one foot sump.
MW-98-05A	FDSA, Hagerman's property	29.65	2	28.0	24.9	9/22/2011	18-28	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	5/7/1998	Abandoned
MW-98-05AR	FDSA, Hagerman's property	29.26	2	28.8	27.2	3/23/2016	18-28	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	12/15/2015	Replacment well for original damaged well, well installed with a one foot sump.
MW-98-05B	FDSA, Hagerman's property	29.84	2	45.0	27.4	9/22/2011	35-45	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	5/11/1998	Abandoned
NW-98-05BR	FDSA, Hagerman's property	29.76	2	46.3	45.7	3/23/2016	35-45	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	12/15/2015	Replacment well for original damaged well, well installed with a one foot sump.
MW-98-06A	FDSA, Christensen property	34.41	2	29.0	--	--	19-29	20-Slot PVC	SCH40 PVC	flush mount curb box, below grade concrete collar, grass to edge of curb box	5/15/1998	Abandoned, access agreement not renewed.
N-1A	Near RW-9, between sign and tree	11.87	2	12.0	12.4	9/22/2011	10-12	16-Slot, Johnson, steel	STEEL	flush mount curb box with concrete collar	3/7/1984	SCDHS
N-1B	Near RW-9, between RW-9 and tree	10.02	2	65.0	65.4	9/22/2011	55-65	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/12/2004	
N-2A	Past MW-49 cluster, in grass between edge of Rd and sidewalk	12.5	2	22.0	21.5	9/22/2011	20-22	16-Slot, Johnson, steel	STEEL	flush mount curb box with concrete collar	3/7/1984	SCDHS
N-2B	Past MW-49 cluster, in grass between edge of Rd and sidewalk	12.06	2	65.0	65.0	9/22/2011	55-65	10-Slot PVC	SCH40 PVC	flush mount curb box with concrete collar	7/13/2004	
N-3	Brick Kiln Road, near Carroll Street	17	2	22.0	--	--	20-22	16-Slot, Johnson, Steel	STEEL		3/12/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-4	Brick Kiln Road, near current MW-57 cluster.	--	2	22.0	--	--	20-22	16-Slot, Johnson, Steel	STEEL		3/12/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-5	Brick Kiln Road, NE of current MW-56 cluster.	13.5	2	22.0	--	--	20-22	16-Slot, Johnson, Steel	STEEL		3/20/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-6	Carroll Street	17.36	2	22.0	--	--	20-22	16-Slot, Johnson, Steel	STEEL		3/20/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-7	Carroll Street	24.5	2	22.0	--	--	20-22	16-Slot, Johnson, Steel	STEEL		3/21/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-8	Corner of Carroll Street and Sag Harbor Turnpike.	25	2	32.0	--	--	30-32	16-Slot, Johnson, Steel	STEEL		3/22/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-9	Northern corner of intersection of Hildreth & SH Turnpike, immediately next to stop sign.	14.9	2	20.0	20.0	9/22/2011	20-22	16-Slot, Johnson, Steel	STEEL	flush mount curb box with concrete collar	1984	
N-10	Carroll Street	23.5	2	40.0	--	--	38-40	16-Slot, Johnson, Steel	STEEL		4/23/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-11	Carroll Street	23.1	2	21.0	--	--	19-21	16-Slot, Johnson, Steel	STEEL		4/25/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-12	Lily Pond Road	43	2	43.0	--	--	41-43	16-Slot, Johnson, Steel	STEEL		5/9/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-13	Lily Pond Road	--	2	43.0	--	--	41-43	16-Slot, Johnson, Steel	STEEL		5/7/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-14	Lily Pond Road	24	2	22.0	--	--	20-22	16-Slot, Johnson, Steel	STEEL		5/10/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-15	Lily Pond Road	26.1	2	22.0	--	--	20-23	16-Slot, Johnson, Steel	STEEL		5/15/1984	SCDHS, Destroyed/unlocated/no longer have access to well.

TABLE 12

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Monitor Well Construction Details

Well	Location	Top of Casing Elevation (ft msl)	Well Diameter (in)	Installed Total Depth (ft btoc)	Measured TD (ft btoc)	Date Measured	Screen Setting (ft bg)	Screen Type and Size	Casing Material	Surface Completion	Date Constructed	Comment
N-16	Along SH Turnpike, near RW-4, at edge of woods	19.92	2	22.6	21.3	9/22/2011	21-23	16-Slot, Johnson, Steel	STEEL	flush mount curb box with concrete collar	5/16/1984	
N-17	Along SH Turnpike, in middle of grassy shoulder between edge of SH Turnpike and edge of woods	17.71	2	23.0	23.0	9/22/2011	21-23	16-Slot, Johnson, Steel	STEEL	flush mount curb box with concrete collar	5/21/1984	
N-18	Sag Harbor Turnpike, south of Carroll Street	32	2	33.5	--	--	31.5-33.5	16-Slot, Johnson, Steel	STEEL		5/22/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-19	Noyac Road	10.65	2	22.0	--	--	20-22	16-Slot, Johnson, Steel	STEEL		5/23/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-20	Kiln Brick Road	5.00	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		6/4/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-21	Columbia Street	7.25	2	22.0	--	--	20-22	16-Slot, Johnson, Steel	STEEL		6/4/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-22	Sag Harbor Turnpike	--	2	120.0	--	--	118-120	16-Slot, Johnson, Steel	STEEL		7/31/1984	SCDHS, Well pulled out 9-26-84.
N-22-B	Sag Harbor Turnpike	--	2		--	--	15-17	16-Slot, Johnson, Steel	STEEL		10/8/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-23	Sag Harbor Turnpike	12.89	2	10.0	--	--	8-10	16-Slot, Johnson, Steel	STEEL		8/1/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-24	Sag Harbor Industries	27.24	2	38.0	--	--	36-38	16-Slot, Johnson, Steel	STEEL		8/8/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-25	Sag Harbor Industries	25.44	2	24.0	--	--	22-24	16-Slot, Johnson, Steel	STEEL		8/8/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-26	Sag Harbor Industries	25.18	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		8/13/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-27	Sag Harbor Industries	24.9	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		8/15/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-28	Sag Harbor Industries	26.76	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		8/20/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-29	Sag Harbor Industries	--	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		8/20/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-30	Sag Harbor Industries	--	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		8/22/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-31	Sag Harbor Industries	28.91	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		8/23/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-32	in SHI parking lot	32.12	2	33.0	30.0	9/22/2011	31-33	16-Slot, Johnson, Steel	STEEL	flush mount, cement collar, curb box	9/10/1984	
N-33	in SHI parking lot	22.43	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		9/10/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-34	in SHI parking lot	--	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		9/12/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-35	Sag Harbor Turnpike	--	2	32.0	--	--	30-32	16-Slot, Johnson, Steel	STEEL		9/24/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-36	Sag Harbor Turnpike	26.27	2	33.0	--	--	31-33	16-Slot, Johnson, Steel	STEEL		9/25/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-37	Fabiano front yard, in grass left of driveway	31.41	2	25.0	26.3	9/14/2010	23-25	16-Slot, Johnson, Steel	STEEL	flush mount, cement collar, curb box	8/30/1984	
N-38	Fabiano side yard near shrubbery	31.49	2	30.2	30.5	9/22/2011	28-30	16-Slot, Johnson, Steel	STEEL	flush mount, cement collar, curb box	9/6/1984	
N-39	Fabiano back yard near edge of woods	26.95	2	33.0	32.4	9/22/2011	31-33	16-Slot, Johnson, Steel	STEEL	flush mount, cement collar, curb box	9/20/1984	
N-40	Sag Harbor Turnpike	25.11	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		9/24/1984	SCDHS, Destroyed/unlocated/no longer have access to well.
N-41	Lily Pond Rd.	13.5	2	23.0	--	--	21-23	16-Slot, Johnson, Steel	STEEL		10/11/1984	SCDHS, Destroyed/unlocated/no longer have access to well.

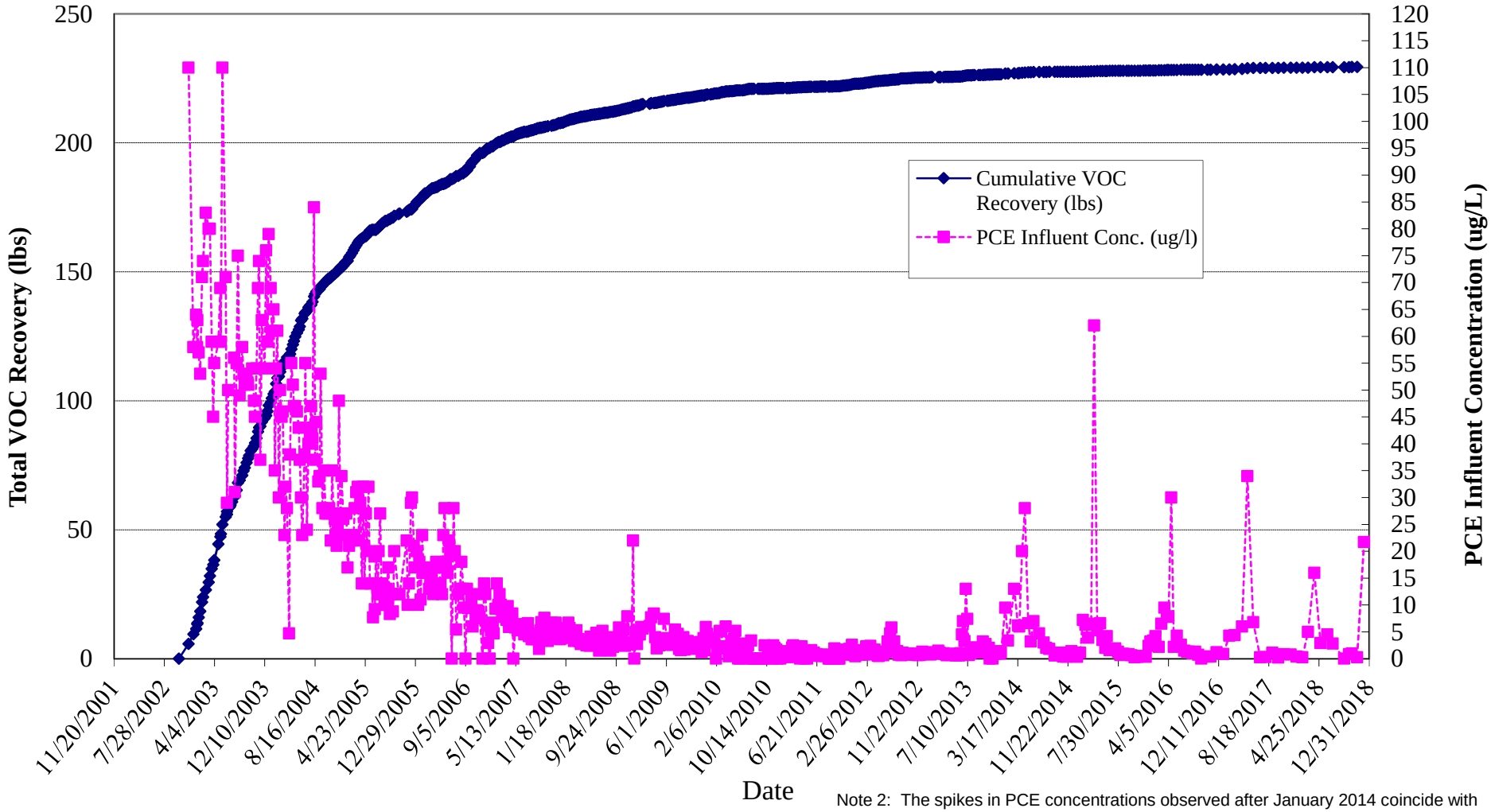
SCDHS Suffolk County Department of Health Services
ft msl Feet mean sea level
in Inches
ft btoc Feet below top of casing
ft bg Feet below grade
N-41 Destroyed, unlocated, inaccessible or abandoned monitor well.

GRAPHS

GRAPH 1

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FSP&T System Cumulative VOC Recovery and Influent PCE Concentraions vs. Time



Note 1 : After September 22, 2008, the water recovered from the FP&T System is included in the results shown in this graph.

Note 2: The spikes in PCE concentrations observed after January 2014 coincide with well rehabilitation and annual maintenance events. During well rehabilitation and annual maintenance work, FSP&T system samples are collected when water from the FP&T system is not diluted with water extracted from RW-2. Small increases in PCE cocnentrations before spikes may be attributed to seasonal variability.

GRAPH 2

2018 ANNUAL SUMMARY REPORT
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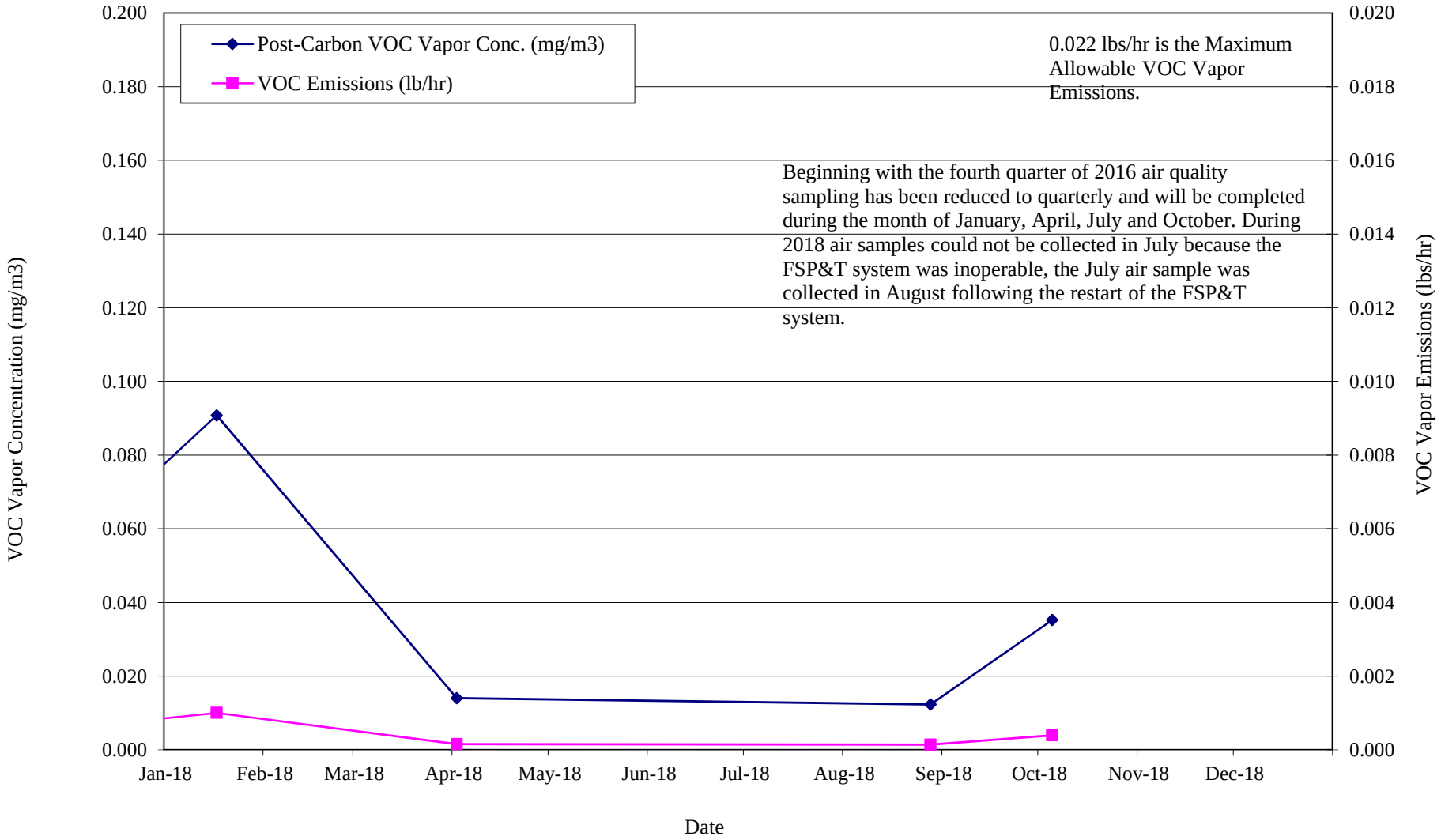
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FSP&T Total VOC Effluent Vapor Concentrations and Emissions for 2018



GRAPH 3

2018 ANNUAL SUMMARY REPORT
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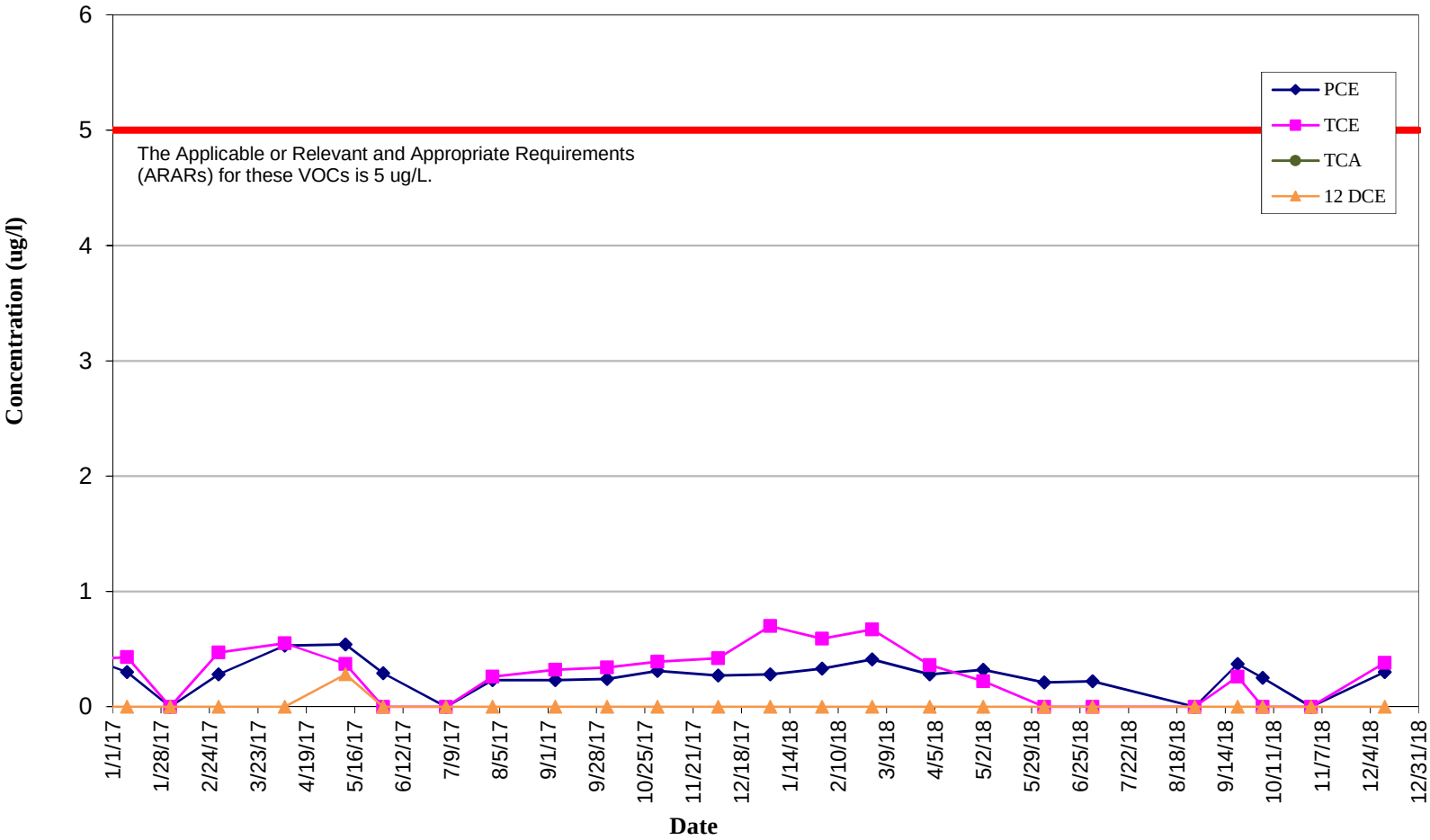
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

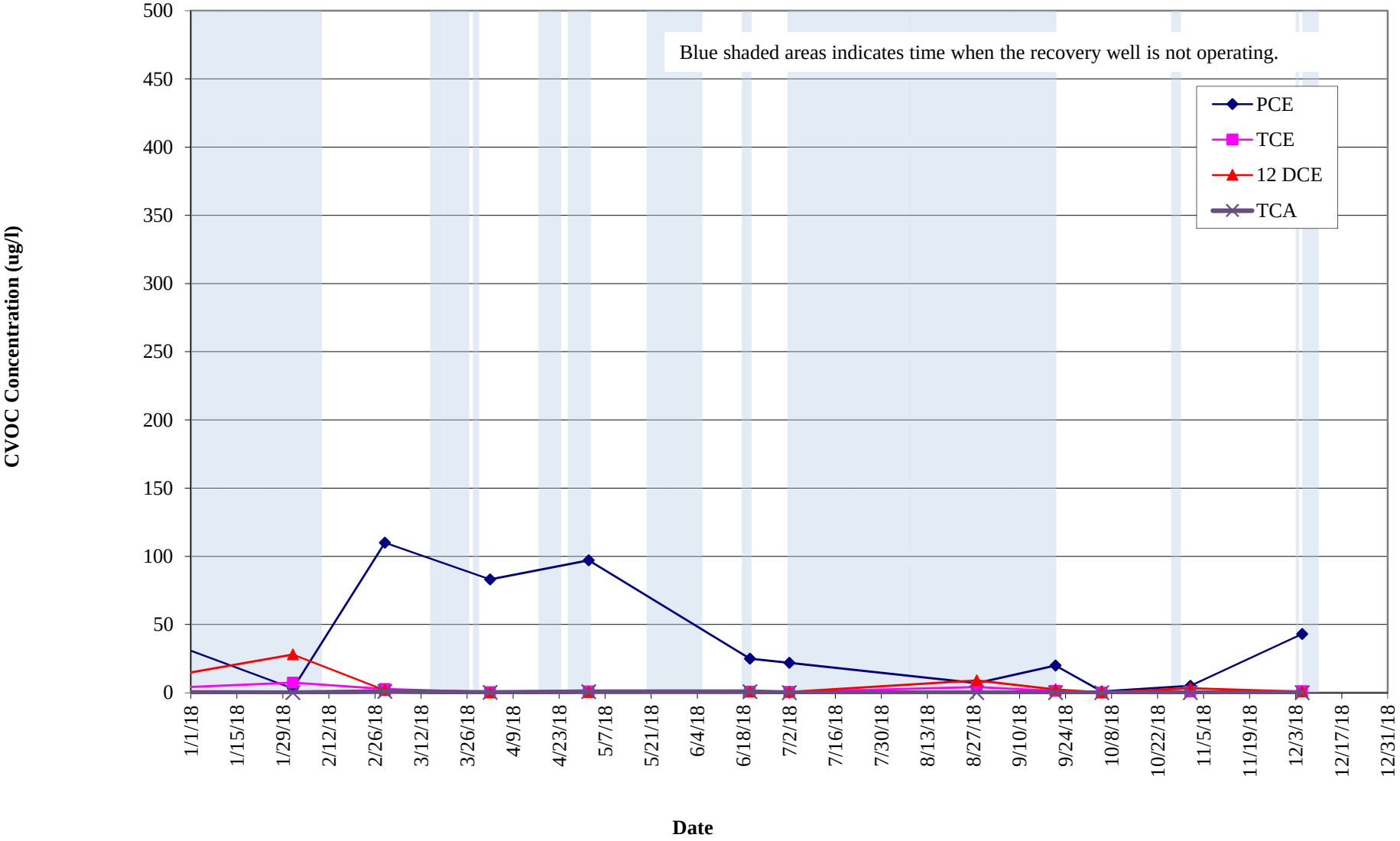
FSP&T Recovery Well VOC Concentrations for RW-2 for 2017 and 2018



GRAPH 4

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1 for 2018



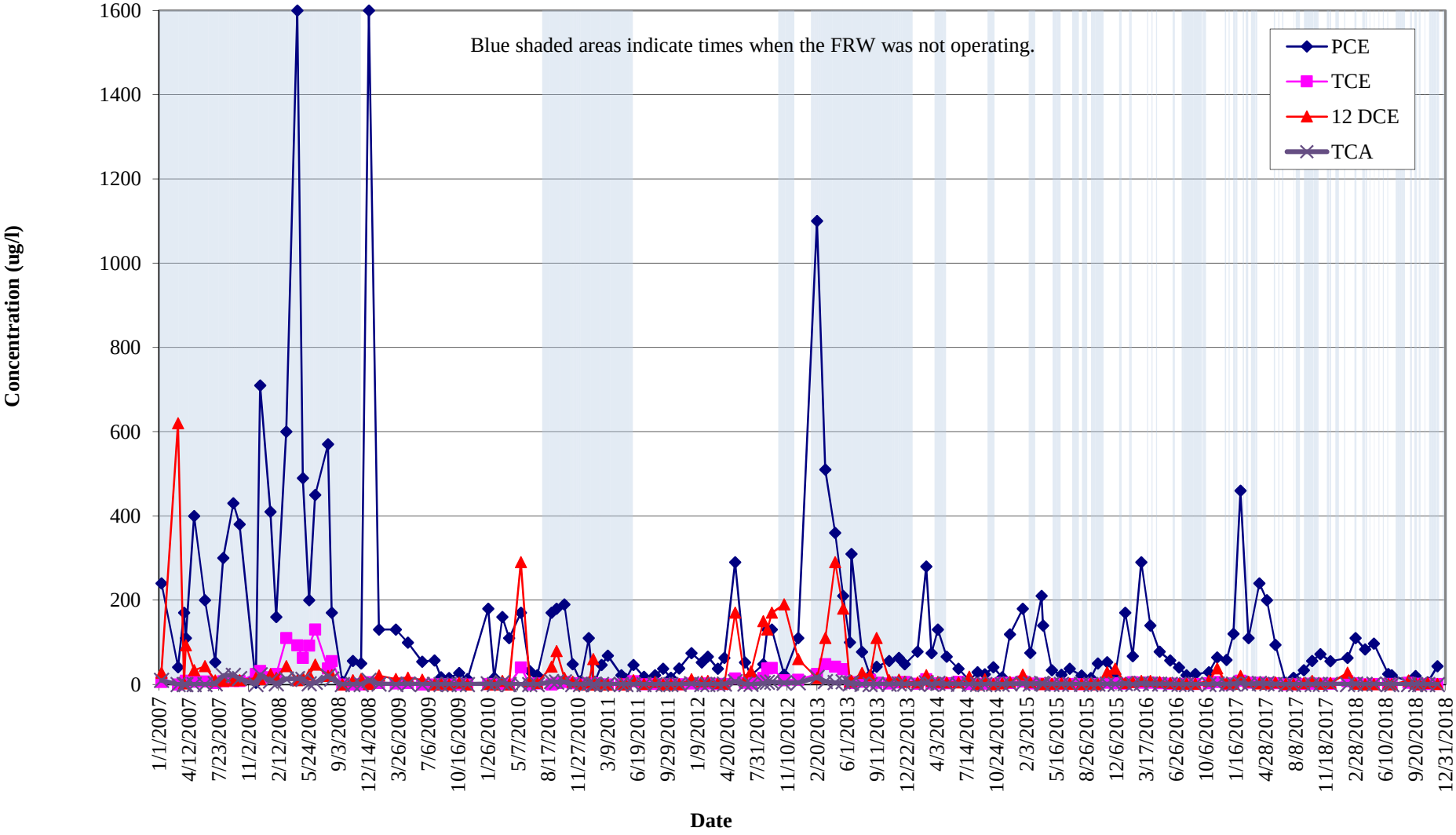
H:\NABIS\2018\2018 Annual Rpt\
FP&T Graphs 4,6,8,10
Graph 4 FRW-1

WSP USA

GRAPH 5

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1 for 2007 through 2018



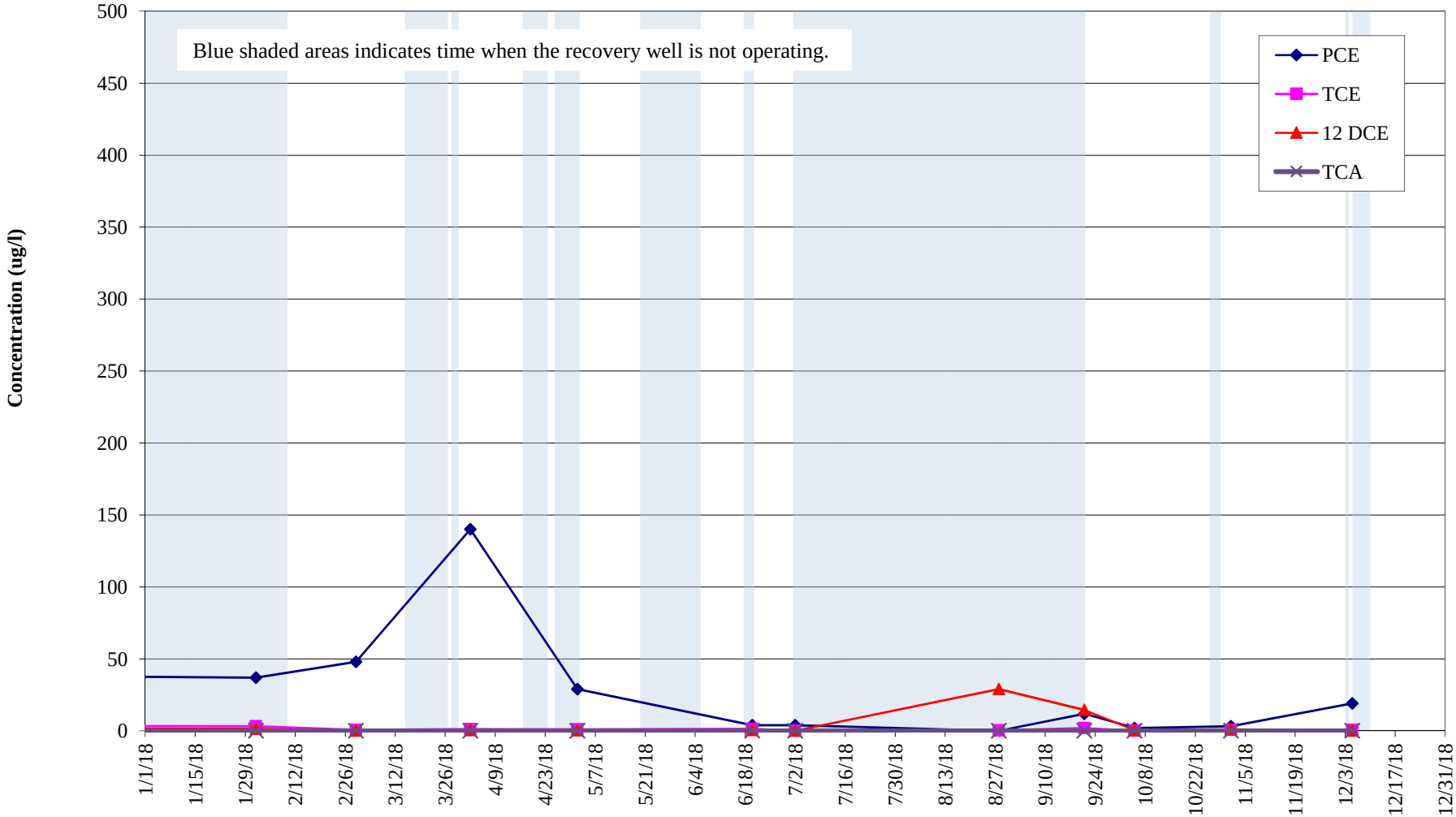
H:\NABIS\2018\2018 Annual Rpt\
FP&T Graphs 5,7,9,11_TS
Graph 5 FRW-1 (Hist)

WSP USA

GRAPH 6

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2 for 2018



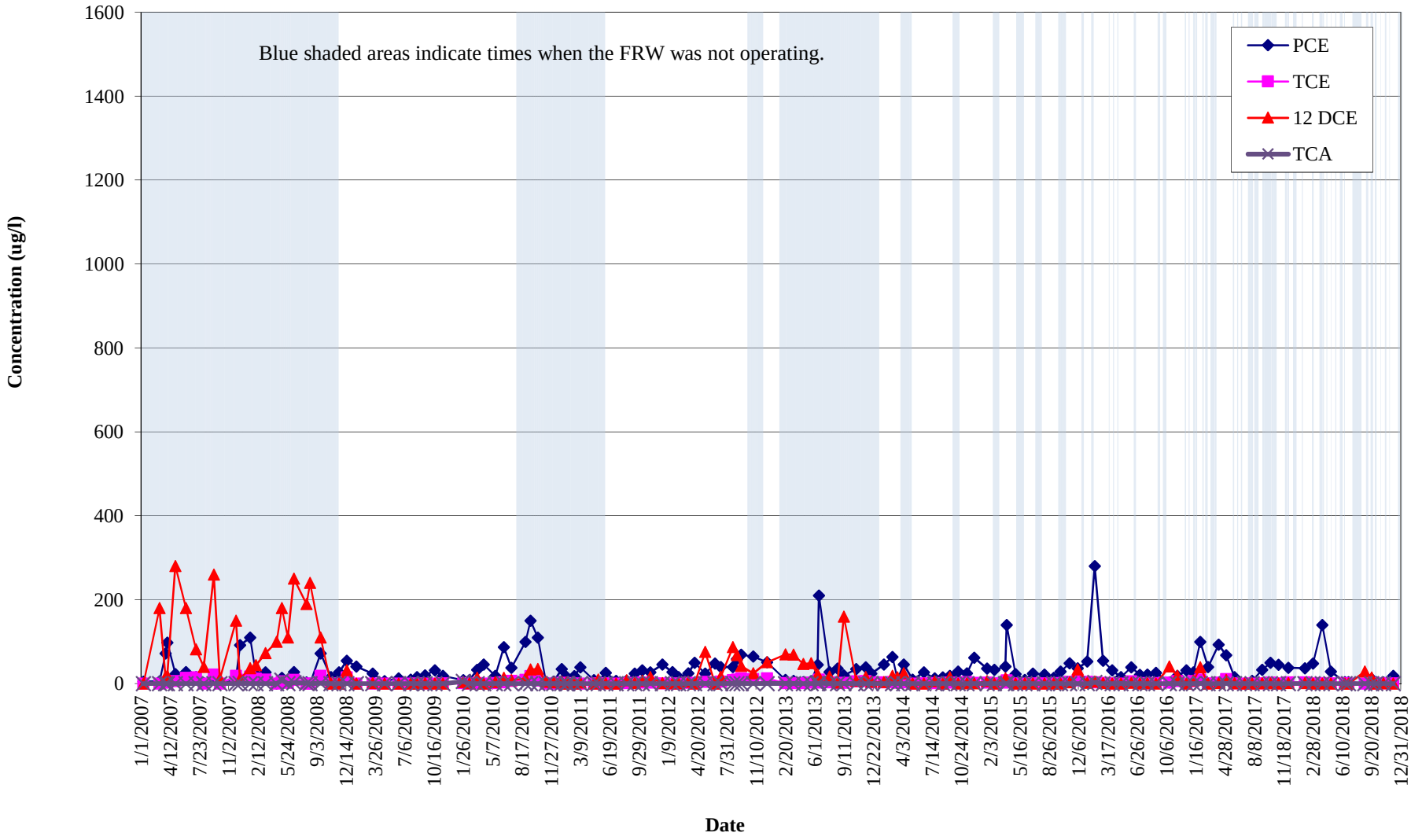
H:\NABIS\2018\2018 Annual Rpt\
FP&T Graphs 4,6,8,10
Graph 6 FRW-2

WSP USA

GRAPH 7

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2 for 2007 through 2018



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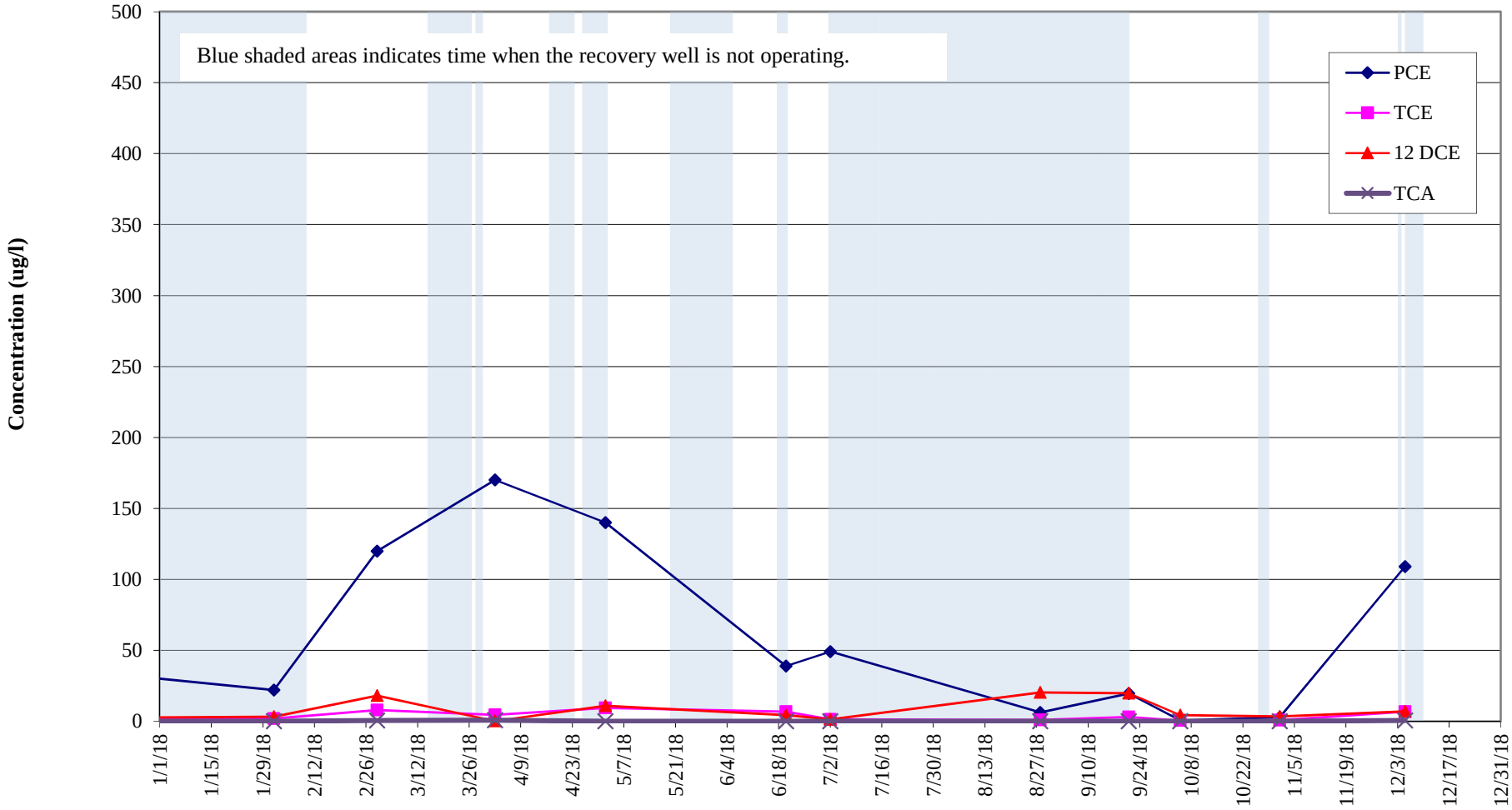
FP&T Graphs 5,7,9,11_TS
Graph 7 FRW-2 (Hist)

WSP USA

GRAPH 8

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3 FOR 2018



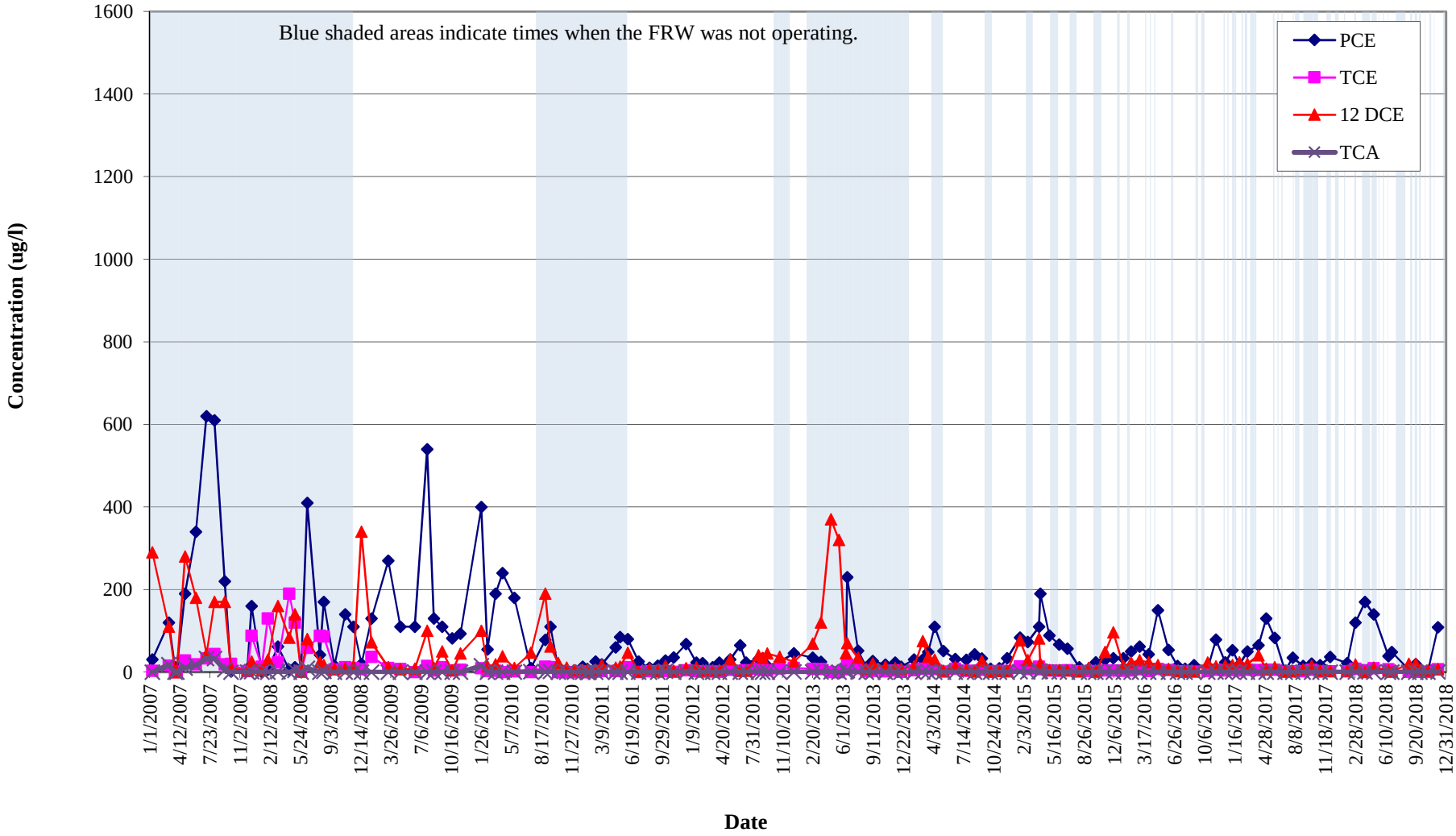
H:\NABIS\2018\2018 Annual Rpt\
FP&T Graphs 4,6,8,10
Graph 8 FRW-3

WSP USA

GRAPH 9

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3 for 2007 through 2018

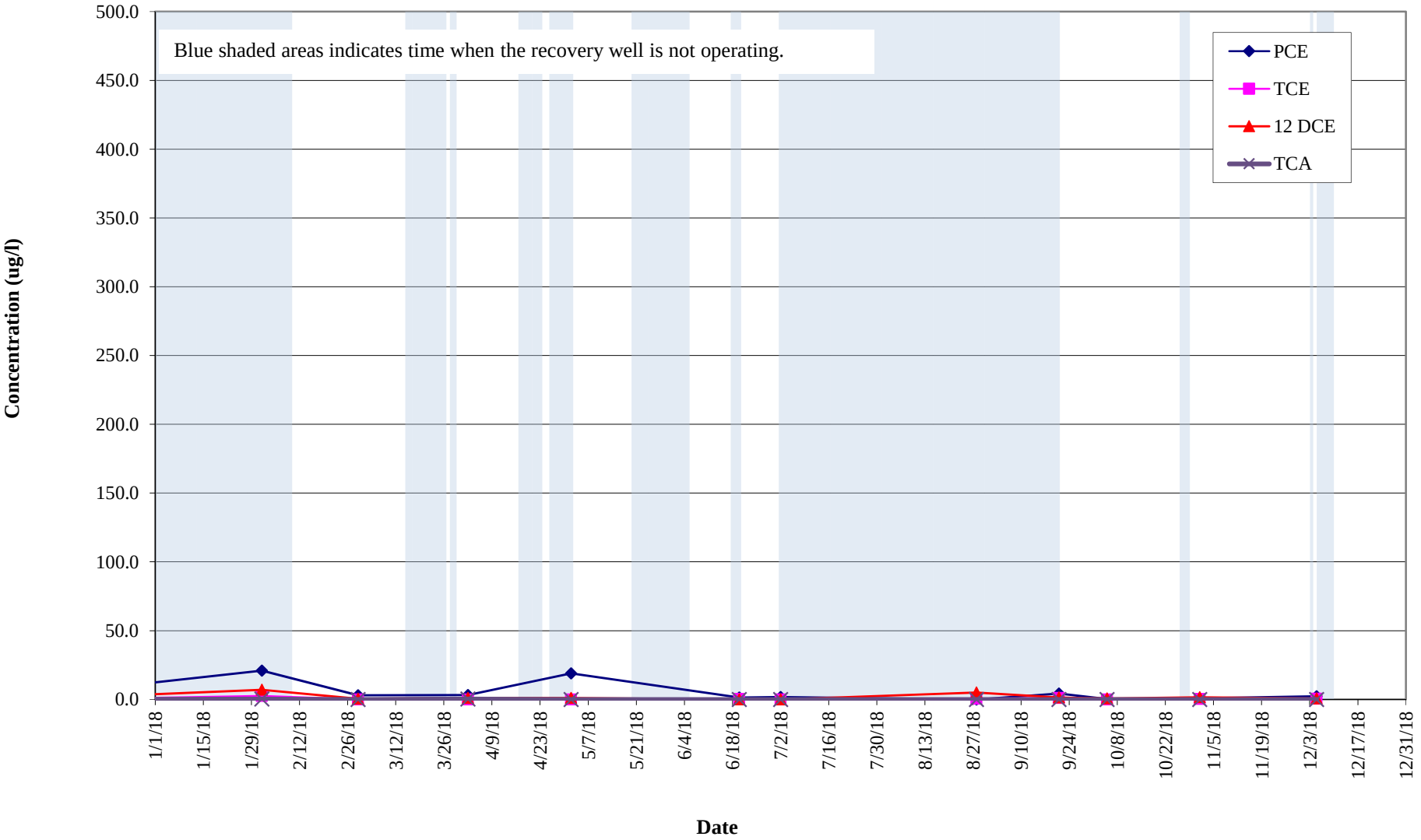


H:\NABIS\2018\2018 Annual Rpt\
FP&T Graphs 5,7,9,11_TS
Graph 9 FRW-3 (Hist)

GRAPH 10

2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-4 for 2018



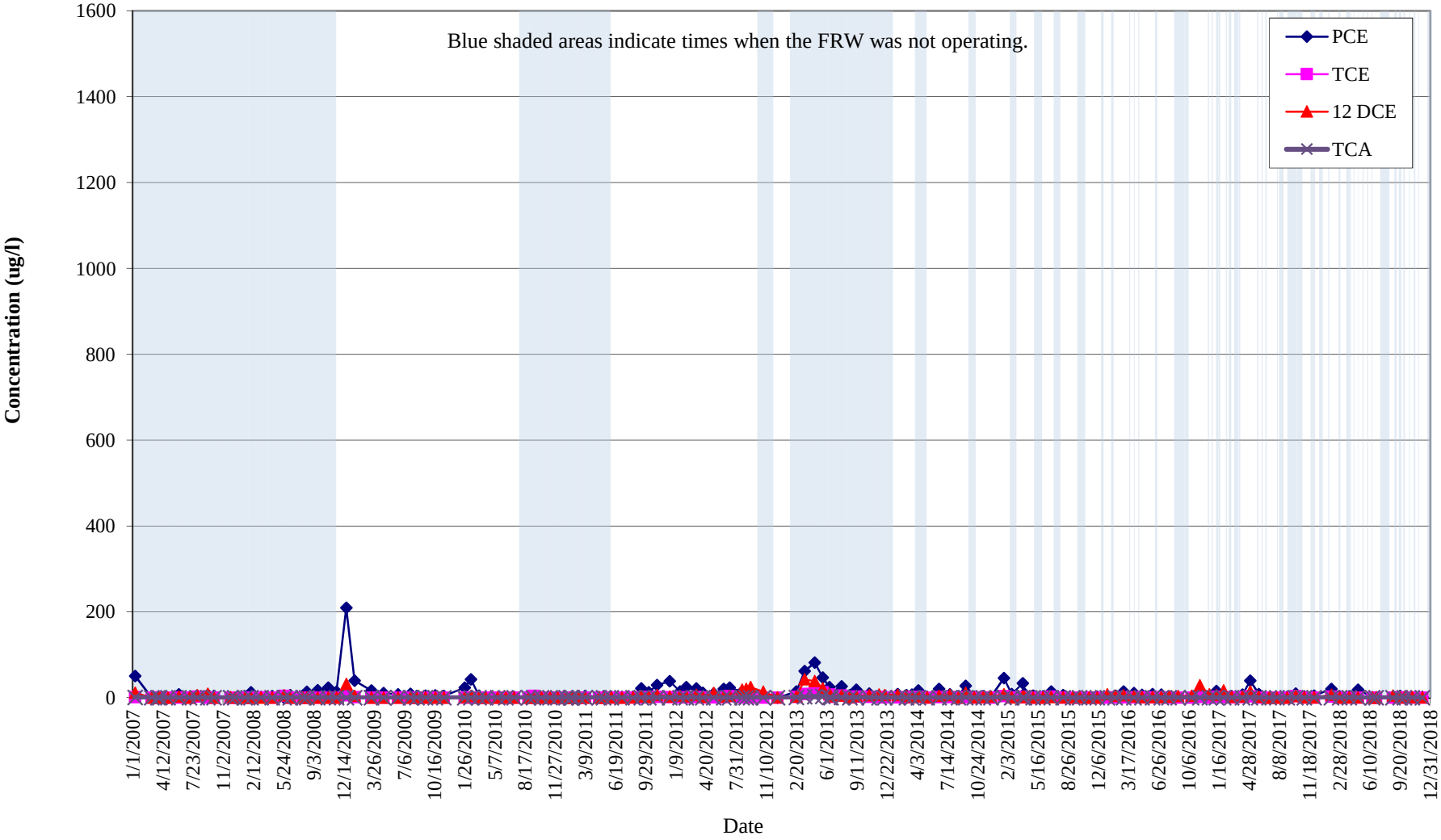
H:\NABIS\2018\2018 Annual Rpt\
FP&T Graphs 4,6,8,10
Graph 10 FRW-4

WSP USA

GRAPH 11

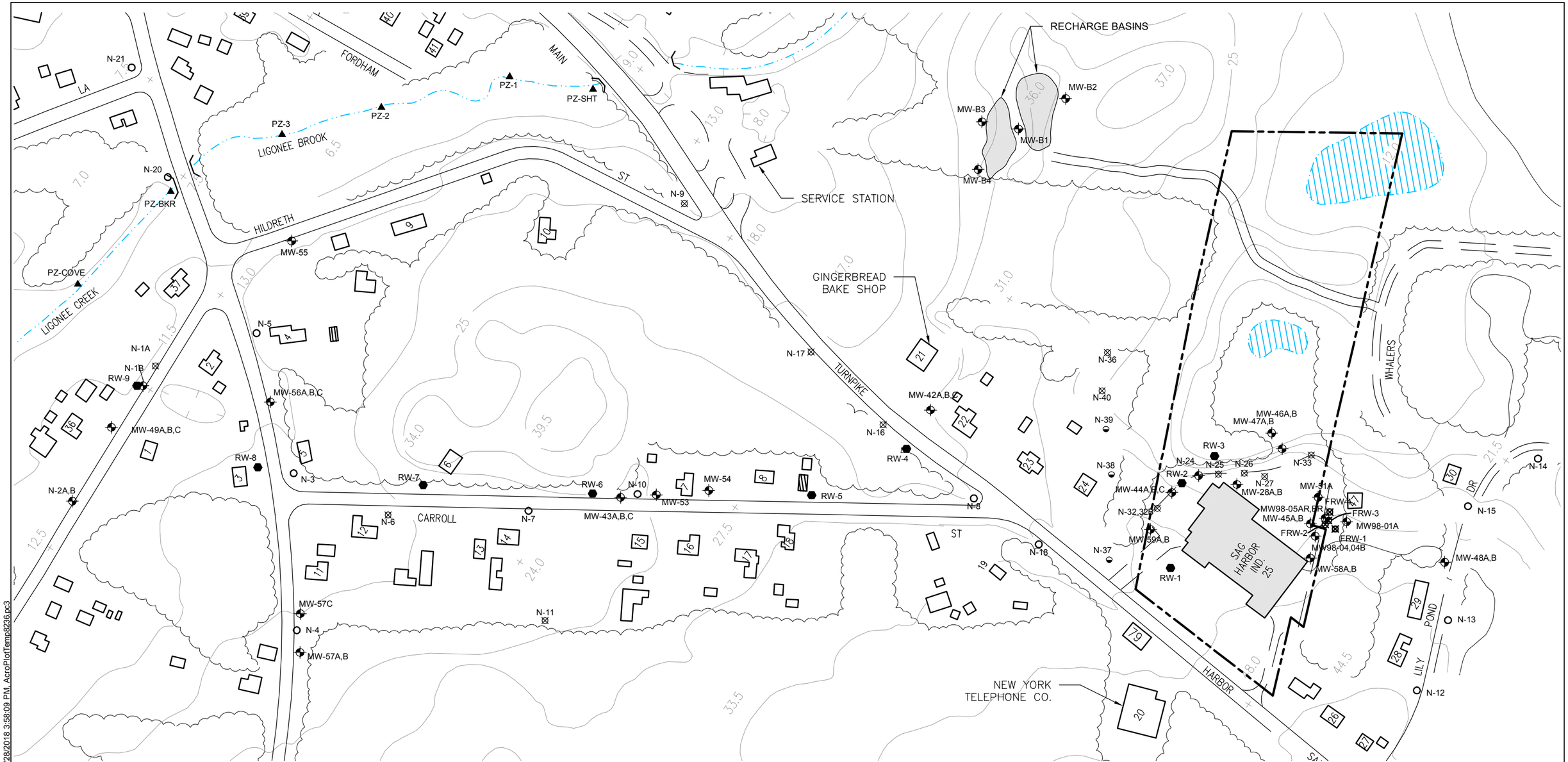
2018 ANNUAL SUMMARY REPORT
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-4 for 2007 through 2018



H:\NABIS\2018\2018 Annual Rpt\
FP&T Graphs 5,7,9,11_TS
Graph 11 FRW-4 (Hist)

FIGURES



LEGEND

- PROPERTY BOUNDARY
- N-36 — LOCATED SCDHS WELL
- N-37 — REPAIRED SCDHS WELL
- N-13 — UNLOCATED SCDHS WELL
- PROPERTY OWNERS WELL
- PZ-2 — PIEZOMETER
- MW-43A — GROUNDWATER MONITOR WELL
- RW-1 — RECOVERY WELL
- FRW-1 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)

NOTE:
1. MW98 MONITOR WELL LOCATIONS ARE APPROXIMATE.

0 200
SCALE IN FEET

GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

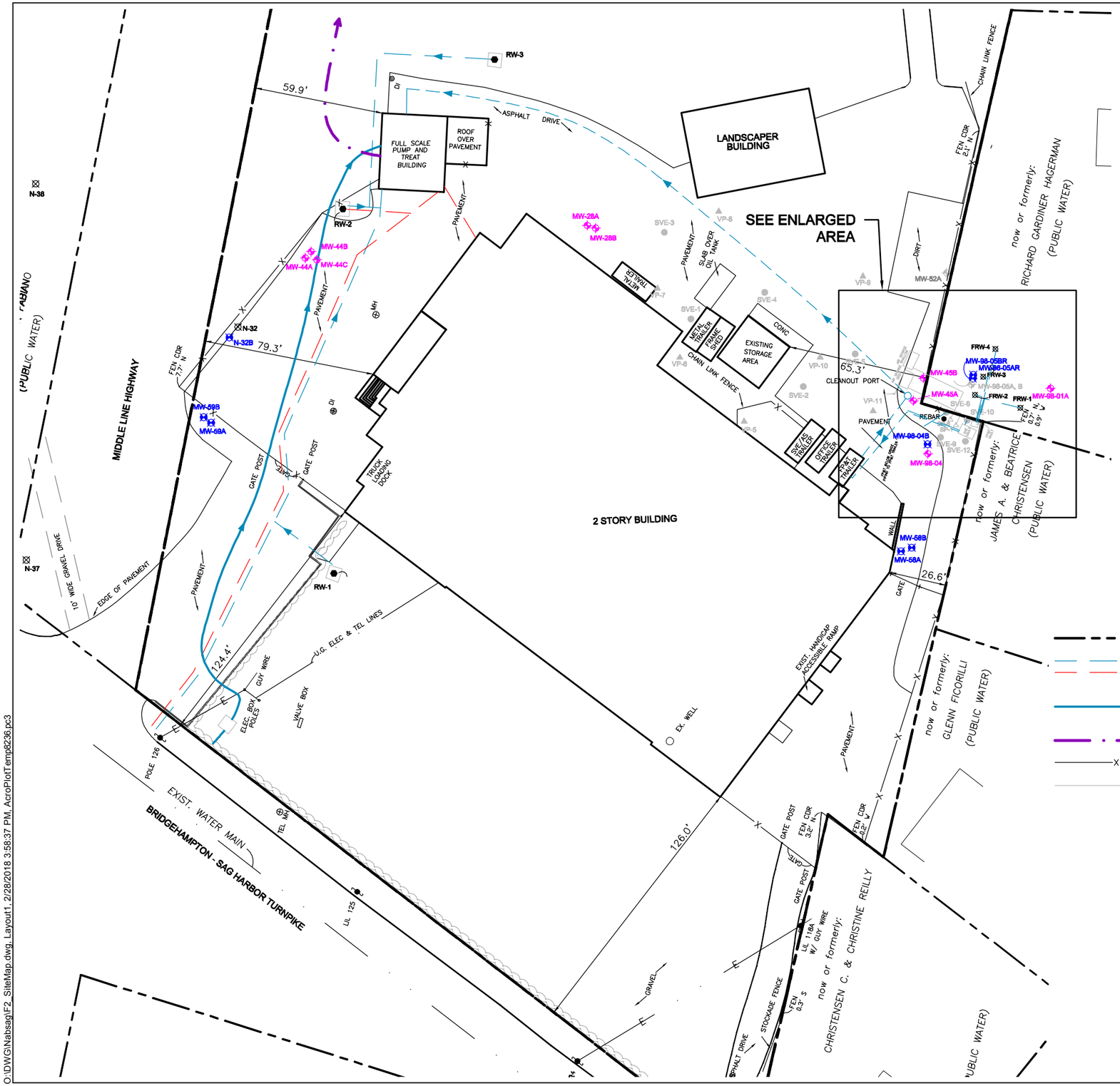
AREA MAP

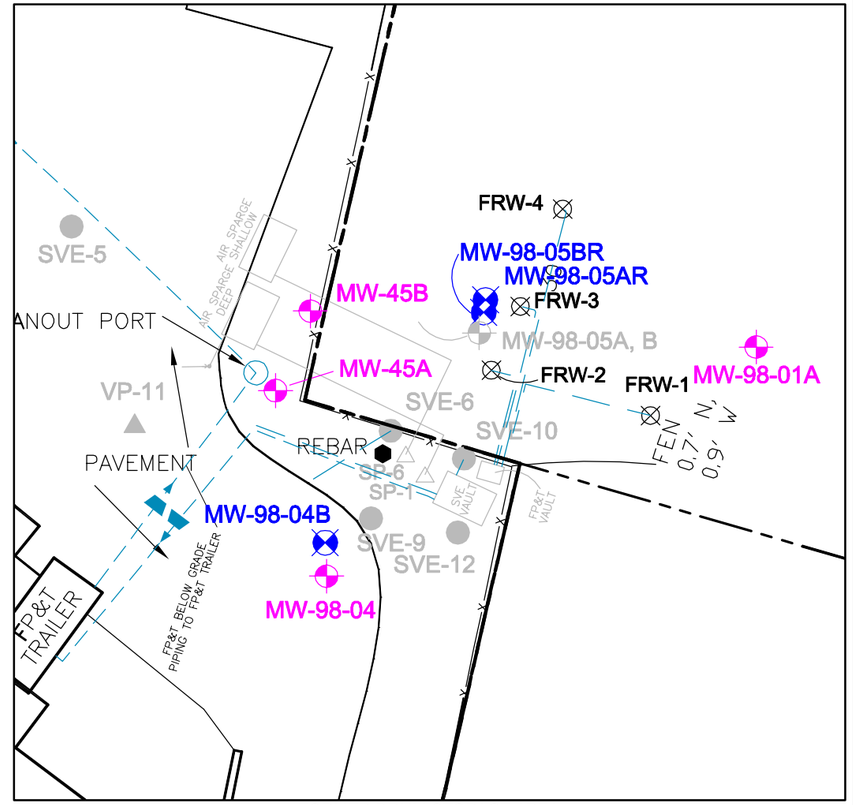
DATE	REVISED

PREPARED BY:

WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN:	RAC	CHECKED:	MG	DATE:	02/28/18	FIGURE:	1





FORMER DRUM STORAGE AREA
SCALE: 1" = 20'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF BELOW GRADE PIPING (DASHED BLUE) AND ELECTRICAL CONDUIT (DASHED RED)
- APPROXIMATE LOCATION OF POTABLE WATER PIPE
- APPROXIMATE LOCATION OF DISCHARGE PIPE
- CHAIN LINK FENCE
- APPROXIMATE LOCATION OF DECOMMISSIONED BELOW GRADE AIR SPARGE PIPING

- MW-98-05B — GROUNDWATER MONITOR WELL LOCATION
- N-32 — LOCATED SCDHS WELL
- FRW-3 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
- VP-1 — DECOMMISSIONED VAPOR MONITORING POINT LOCATION
- MW-98-05A, B, SP-10, SVE-9, SP-5 — WELLS THAT WERE DESTROYED OR DECOMMISSIONED IN DECEMBER 2004, FEBRUARY 2012 AND DECEMBER 2015
- RW-3 — FULL SCALE PUMP AND TREAT RECOVERY WELL
- MW-59A — DECEMBER 2015 MONITOR WELL LOCATION

0 50
SCALE IN FEET

GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

SITE MAP

DATE	REVISED

PREPARED BY:
WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN: RAC | CHECKED: MG | DATE: 02/28/18 | FIGURE: 2

APPENDIX

A. 2018 HAZARDOUS WASTE MANIFESTS

90369198 017575035JJK 1710426

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000054411	1	2032386745	017575035 JJK

5. Generator's Name and Mailing Address
FORMER ROWE INDUSTRIES
1668 BRIDGEHAMPTON TURNPIKE
SAG HARBOR,NY 11963
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
TRADEBE TRANSPORTATION, LLC
U.S. EPA ID Number: CTD021816889

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
TRADEBE T&R OF BRIDGEPORT, LLC
50 CROSS STREET
BRIDGEPORT,CT 06610
Facility's Phone: (203)334-1666
U.S. EPA ID Number: CTD002593887

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (TETRACHLOROETHYLENE) 9 III RQ F001	1	TT	650	G	F001		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
001) ERG 171 1000144146 SO: 1710426

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Tunde Sanaor, LBG agent for Nabisco
Signature: X [signature]
Month 4 Day 27 Year 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter signature (for exports only):
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MARCO TACCO
Signature: [signature]
Month 4 Day 27 Year 18

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H135			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Solee Burgos
Signature: [signature]
Month 04 Day 27 Year 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)