
MONITORING REPORT

February 27th, 2024

Site Location:

BP Service Station
4001-4011 4th Avenue
Brooklyn, New York
Spill #1811146

Client:

The Macchia Group, Inc.
Mr. Joseph Macchia
556 Central Avenue
Bethpage, NY 11714

Bailing Schedule:

Last Performed:

Monthly

01/15/2023

Reporting Schedule:

Last Performed:

Quarterly

11/20/2023

Objective:

Monitor site well for depth to groundwater and the presence of free phase product on a monthly basis . Bail product as necessary. Wells monitored from the north side of the well casing with a Sonic Interface Probe. Check regularly for any spills by pump islands, tanks and drains.

Recovery System:

Bailing of product until well is dry. On average recharge rate approximately 1.0-1.5 gallons every half hour, although recharge rate varies drastically per event. The varying recharge rate per event effects the amount of product/water mixture recovered.

Comments:

Floating product was detected during this monitoring period. Site monitored and product bailed on December 18th, 2023, January 15th, 2024 and February 27th, 2024. Next monitoring and bailing of product scheduled for **March 2024**.

Reported By: _____ February 29, 2024

Steven Polen/Technician

Reviewed By: _____ February 29, 2024

Justin Halpin/Project Scientist

MONITORING WELL MEASUREMENTS

Site Location:

BP Service Station
 4001-4011 4th Avenue
 Brooklyn, New York

Client:

The Macchia Group, Inc.
 556 Central Avenue
 Bethpage, NY 11714

Abbreviation Key

| | | |
|--|--------------------------------|---------------------------------------|
| DTW - Depth to Water from Casing (ft) | D - Dry | V - Disabled Vehicle over Well |
| DTP - Depth to Product from Casing (ft) | C - Cannot Locate | R - Recovery Pump in Well |
| PT - Product Thickness (ft) | G - Gone / Destroyed | |
| T - Trace Product | D.O. - Dissolved Oxygen | |

December 18th, 2023

| Wells | DTW | DTP | PT | VEFR | D.O. (mg/L) |
|--------------|---------------|---------------|-------------|---------------|--------------------|
| MW-1 | 21.37' | 20.87' | 0.5' | 23 gal | - |

Notes:

Pump truck (VEFR event) to pump water/product (~23 gallons) and on-site drum (~45 gallons)

2" pipe volume=0.16 gallons/foot

monitoring well specs: 2" PVC; 50' to bottom with 25' of screen (25'-50')

2" PVC riser pipe from grade surface to 25' (0-25').

Abbreviation Key

| | | |
|--|-----------------------------|---------------------------------------|
| DTW - Depth to Water from Casing (ft) | D - Dry | V - Disabled Vehicle over Well |
| DTP - Depth to Product from Casing (ft) | C - Cannot Locate | R - Recovery Pump in Well |
| PT - Product Thickness (ft) | G - Gone / Destroyed | |
| T - Trace Product | n/d - non-detect | |

MONITORING WELL MEASUREMENTS

Site Location:

BP Service Station
 4001-4011 4th Avenue
 Brooklyn, New York

Client:

The Macchia Group, Inc.
 556 Central Avenue
 Bethpage, NY 11714

Abbreviation Key

| | | |
|--|--------------------------------|---------------------------------------|
| DTW - Depth to Water from Casing (ft) | D - Dry | V - Disabled Vehicle over Well |
| DTP - Depth to Product from Casing (ft) | C - Cannot Locate | R - Recovery Pump in Well |
| PT - Product Thickness (ft) | G - Gone / Destroyed | |
| T - Trace Product | D.O. - Dissolved Oxygen | |

January 15th, 2024

| Wells | DTW | DTP | PT | Bailed | D.O. (mg/L) |
|--------------|---------------|---------------|-------------|---------------|--------------------|
| MW-1 | 24.10' | 22.80' | 1.3' | 15 gal | - |

Notes:

well exhibited sufficient recharge

2" pipe volume=0.16 gallons/foot

monitoring well specs: 2" PVC; 50' to bottom with 25' of screen (25'-50')

2" PVC riser pipe from grade surface to 25' (0-25').

Abbreviation Key

| | | |
|--|-----------------------------|---------------------------------------|
| DTW - Depth to Water from Casing (ft) | D - Dry | V - Disabled Vehicle over Well |
| DTP - Depth to Product from Casing (ft) | C - Cannot Locate | R - Recovery Pump in Well |
| PT - Product Thickness (ft) | G - Gone / Destroyed | |
| T - Trace Product | n/d - non-detect | |

MONITORING WELL MEASUREMENTS

Site Location:

BP Service Station
 4001-4011 4th Avenue
 Brooklyn, New York

Client:

The Macchia Group, Inc.
 556 Central Avenue
 Bethpage, NY 11714

Abbreviation Key

| | | |
|--|--------------------------------|---------------------------------------|
| DTW - Depth to Water from Casing (ft) | D - Dry | V - Disabled Vehicle over Well |
| DTP - Depth to Product from Casing (ft) | C - Cannot Locate | R - Recovery Pump in Well |
| PT - Product Thickness (ft) | G - Gone / Destroyed | |
| T - Trace Product | D.O. - Dissolved Oxygen | |

February 27th, 2024

| Wells | DTW | DTP | PT | Bailed | D.O. (mg/L) |
|--------------|--------------|---------------|------------|---------------|--------------------|
| MW-1 | 33.4' | 21.08' | 12' | 5 gal | - |

Notes:

11 bails of product/water mixture and well went dry.

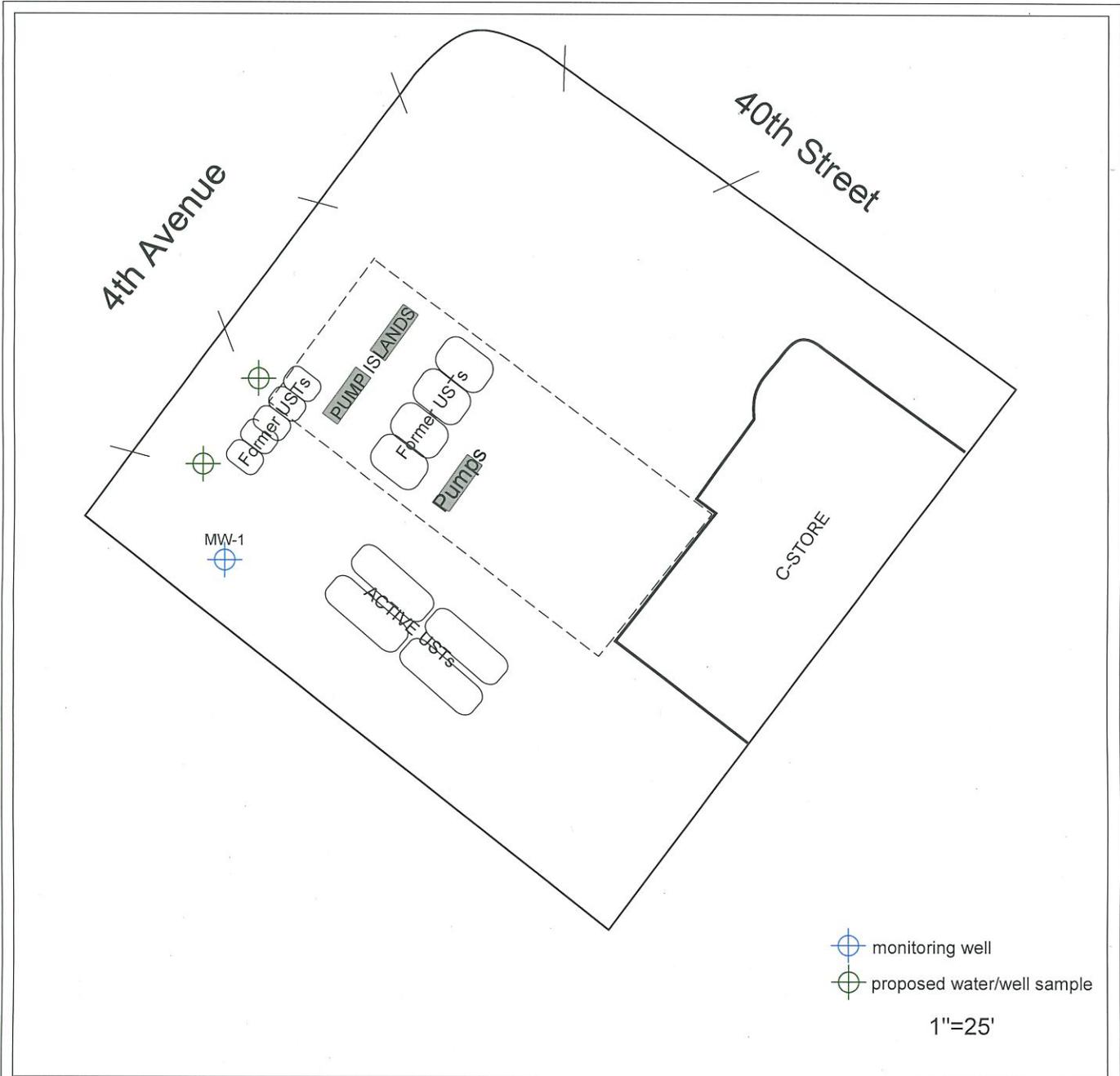
2" pipe volume=0.16 gallons/foot

monitoring well specs: 2" PVC; 50' to bottom with 25' of screen (25'-50')

2" PVC riser pipe from grade surface to 25' (0-25').

Abbreviation Key

| | | |
|--|-----------------------------|---------------------------------------|
| DTW - Depth to Water from Casing (ft) | D - Dry | V - Disabled Vehicle over Well |
| DTP - Depth to Product from Casing (ft) | C - Cannot Locate | R - Recovery Pump in Well |
| PT - Product Thickness (ft) | G - Gone / Destroyed | |
| T - Trace Product | n/d - non-detect | |



Site Map
 Proposed Sampling Locations
 Figure-1

BP Service Station
 4001-4010 4th Avenue
 Brooklyn, NY

BEi Berninger Environmental
 groundwater consultants, geologists and scientists
 A WRS Environmental Services Company
 Phone: 631 589 6521
 17 Old Dock Road Yaphank, NY 11980