

DAILY STATUS REPORT #06

WEATHER Snow Rain Overcast Partly Cloudy Sun X

Prepared By: Chris Connolly

TEMP. < 32 32-50 50-70 70-85 >85 X

| IEC Project No: | 15209 | NYSDEC BCP Site No: | C241254 | Date: | 07/13/22 |
|-----------------|---|---------------------|---------|-------|----------|
| Project: | 13-12 Beach Channel Drive, Far Rockaway, New York | | | | |

| Consultant: | Personnel On Site: | |
|---|-------------------------------------|--|
| Impact Environmental Engineering and Geology, | | |
| PLLC (IEEG) | IEEG – Chris Evertz and Alex Keenan | |
| Time On: 07:00 | | |
| Time Out: 15:00 | | |
| Tillle Out. 15.00 | | |

Scope of Work:

Gauge all existing groundwater monitoring wells and collect post-injection groundwater samples from select
onsite monitoring wells and at wells that will be destroyed during new building construction for analysis of
Target Compound List (TCL) Volatile Organic Compounds (VOCs). A total of 14 wells will be sampled.

Site Activities:

- Attempted to locate suspected destroyed wells MW-6 and MW-11. MW-6 was confirmed as destroyed but MW-11 was found and determined viable.
- Using low-flow sampling protocols as required by the NYSDEC-approved Remedial Action Work Plan, the following wells were purged and sampled:
 - o MW-2, MW-3, MW-4s, MW-4i, MW-5, and MW-11
- Each of the six (6) above well samples were packaged, stored, and transported for ELAP certified laboratory for analysis of TCL VOCs by York Analytical Laboratories.

Community Air Monitoring Program (CAMP)

• Not applicable. No soil disturbance was performed.

Problem Encountered:

None.

Planned Activities for the Next Day:

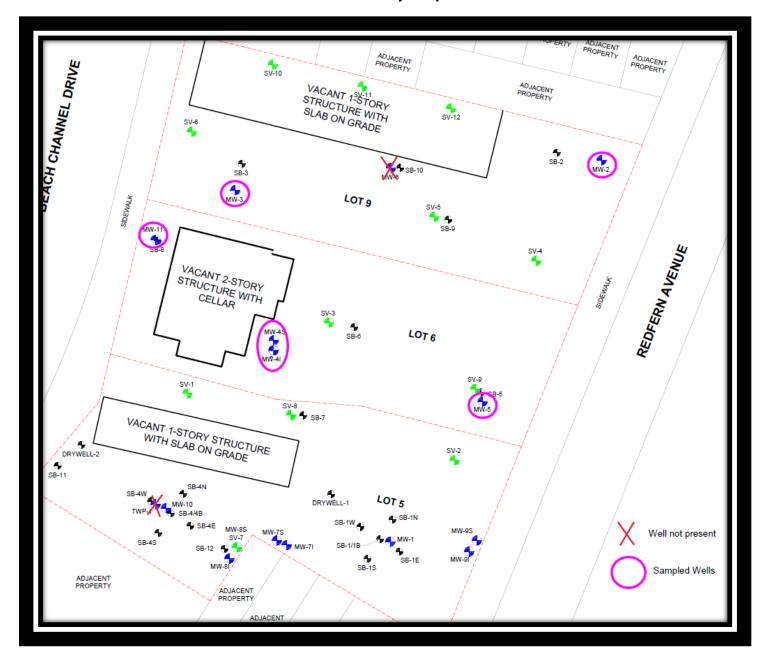
• Sample monitoring wells MW-1, MW-7s, MW-7i, MW-8s, MW-8i, MW-9s, MW-9i and MW-10, and abandon seven (7) wells within the footprint of proposed new building.

File Name: DR#6_13-12 Beach Channel Drive_BCP #C241254



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Site Activity Map





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Photo Log

Photo 1 – Photo of general site conditions on Lot 9



Photo 2 – Photo of general site conditions on Lot 6 and 5





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Photo 3 – Photo of typical low flow groundwater sampling apparatus and setup





DAILY STATUS REPORT #07

Prepared By: Chris Connolly

| WEATHER | Snow | Rain | Overcast | Partly Cloudy | Bright Sun | X |
|---------|------|-------|----------|------------------|---------------|---|
| TEMP. | < 32 | 32-50 | 50-70 | 70-85 | >85 | х |

| IEC Project No: | 15209 | NYSDEC BCP Site No: | C241254 | Date: | 07/14/22 |
|-----------------|---|---------------------|---------|-------|----------|
| Project: | 13-12 Beach Channel Drive, Far Rockaway, New York | | | | |

| Consultant: | Personnel On Site: |
|---|---|
| Impact Environmental Engineering and Geology, | |
| PLLC (IEEG) | IEEG – Chris Evertz and Alex Keenan |
| | |
| Time On: 07:00 | PG Environmental – Oscar Peralta and Luis Vanegas |
| Time Out: 15:00 | |
| | |

Scope of Work:

- Continuation of post-groundwater treatment sample collection from existing groundwater monitoring wells
 and from select onsite monitoring wells that will be destroyed during new building construction for analysis of
 Target Compound List (TCL) Volatile Organic Compounds (VOCs).
- Abandonment of seven (7) monitoring wells located in the footprint of the proposed redevelopment in accordance with NYSDEC CP-43 protocols.

Site Activities:

- Using low-flow sampling protocols as required by the NYSDEC-approved Remedial Action Work Plan, the following wells were purged and sampled:
 - o MW-1, MW-7s, MW-7i, MW-8s, MW-8i, MW-9s, MW-9i and MW-10
- Each of the eight (8) above well samples were packaged, stored, and sent to an ELAP certified laboratory for analysis of TCL VOCs, total/dissolved iron, sulfate, sulfide, nitrate, TOC, methane, ethane, and ethene.
- Using a GeoProbe 7822DT Drill Rig and Monyo 2L4 Pump, the following wells were abandoned in accordance with NYSDEC CP-43 well decommissioning protocols:
 - o MW-2, MW-3, MW-4s, MW-4i, MW-5, MW-11 and SVE-1
- For each well location the PVC well material was removed from the borehole, and drill rods were advanced to
 the terminal depth of the well. Once the drill rods were in place, a bentonite grout mixture was pumped into
 the borehole up to one-foot below surface grade using a grout pump. The remaining foot of the borehole was
 finished with concrete. Well Decommissioning logs can be found attached to this report.

Community Air Monitoring Program (CAMP)

Not applicable.

Problem Encountered:

None.

File Name: DR#7_13-12 Beach Channel Drive_BCP #C241254



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Planned Activities for the Next Day:

• None.

Site Activity Map





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Photo Log

Photo 1 – Photo of typical well abandonment activities



Photo 2 – Photo of typical abandoned well location



File Name: DR#7_13-12 Beach Channel Drive_BCP #C241254



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Photo 3 – Photo of typical abandoned well location



Photo 4 – Photo of closeup of abandoned well location



| Site Name: 19209 | Well I.D.: 5"∪ E - \ |
|--|------------------------|
| Site Location: 13-16 Beach Channel Drive | Driller: Oscar Parelta |
| Drilling Co.: PG | Inspector: T. Stone |
| | Date: 7) 14/22 |

| | | Dute: 1/19/12 | |
|--|------------|--|--|
| DECOMMISSIONING | DATA | I WELL COHEN | AATIC* |
| (Fill in all that appl | WELL SCHEN | AA HC* | |
| (Fill ill all that appi | (y) | Depth | î î |
| OVERDRILLING | | (feet) | |
| Interval Drilled | 1 61 | | 25.000 |
| | 6.51 | | |
| Drilling Method(s) | DirectPush | | |
| Borehole Dia. (in.) | 3" | _ | MAIA |
| Temporary Casing Installed? (y/n) Depth temporary casing installed | N | | His old |
| | inane | | In the state of th |
| Casing type/dia. (in.) | NOWE | | |
| Method of installing | NONE | <u>-</u> | |
| CASING DULLING | | . – | |
| CASING PULLING Method employed | [2] | 14 - | |
| Casing retrieved (feet) | Geofraha | | |
| Casing type/dia. (in) | 2:10:16 | _ | |
| Casing type/dia. (iii) | 3" PVC | - | |
| CASING PERFORATING | | | |
| Equipment used | | | |
| Number of perforations/foot | | | |
| Size of perforations | | - | |
| Interval perforated | | _ | |
| interval periorated | | - | |
| GROUTING | | _ | |
| Interval grouted (FBLS) | 21 | | |
| # of batches prepared | 3, | · - | |
| For each batch record: | | · | |
| Quantity of water used (gal.) | 2. | - | |
| Quantity of water used (gar.) Quantity of cement used (lbs.) | 20 | I → | |
| Cement type | . 10 | | |
| Quantity of bentonite used (lbs.) | Portland | - | |
| Quantity of calcium chloride used (lbs.) | 15 | - | |
| Volume of grout prepared (gal.) | | _ | |
| Volume of grout used (gal.) | 3 | _ | |
| volume of grout used (gat.) | 2 | | |
| COMMENTS. | | 1 | |
| COMMENTS: | | * Sketch in all relevant decommission | ning data, including: |
| | | interval overdrilled, interval grouted | d, casing left in hole, |
| | | well stickup, etc. | |
| | | | |
| P G | | 11/2011 | |

Drilling Contractor

Department Representative

| Site Name: 15209 | Well I.D.: MW-2 |
|---|--------------------------|
| Site Location: 13-16 Beach Change Drive | Driller: Oscar Pacelta |
| Drilling Co.: P6 | Inspector: Chris Every 2 |
| | Date: 7/14/22 |

| DECOMMISSIONING DATA (Fill in all that apply) | | | WELL SCHEMATIC* |
|---|---|-----------|---|
| (1 III III all that app | (1 m m an mat apply) | | |
| OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing | Direct push. 2" NOWE NOWE NOWE NOWE Direct push | (feet) | |
| CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) | NONE PUC 2" | 10 | |
| CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated | | <u>15</u> | |
| GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: | 2 | 20_ | |
| Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) | 1-2g 10 Person d 151bs N/A 2gal | | |
| COMMENTS: | | | I relevant decommissioning data, including: drilled, interval grouted, casing left in hole, etc |

Drilling Contractor

Department Representative

| Site Name: #15209 | Well I.D.: Mん-3 |
|--|------------------------|
| Site Location: 13-16 Beach Chames Dave | Driller: OSCAR Paresta |
| Drilling Co.: VG | Inspector: Chis Ever 2 |
| | Date: 4/14/27 |

| DECOMMISSIONING (Fill in all that app | WELL SCHEM Depth | ATIC* | |
|---|---|---|-----------------------|
| OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing | 26' Direct position 2" NONE NOWE DU 2" NONE | (feet) | |
| CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) | N/A Nove | | |
| CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated | | 15 | |
| GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: | 2 | 20 = | |
| Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) | 454 10 1bs; Perstand 701bs | 25 - | |
| Volume of grout used (gal.) COMMENTS: | 29 | * Sketch in all relevant decommission | ning data, including: |
| | | interval overdrilled, interval grouted well stickup, etc. | |
| P G Drilling Contractor | _ | Chis Cuffe Department Representative | |

| Site Name: 15209 | Well I.D.: MW-4I |
|--|------------------------|
| Site Location: 13-16 Beach Channel Drive | Driller: Oscar Parelta |
| Drilling Co.: P 61 | Inspector: T. Stone |
| | Date: 7/14/22 |

| DECOMMISSIONING | DATA | WELL SCHI | EMATIC* |
|--|------------|------------------------------------|--|
| (Fill in all that app | | Depth | W. W |
| ` | • / | (feet) | 1 1 |
| OVERDRILLING | | | |
| Interval Drilled | 83. | | AAMA |
| Drilling Method(s) | DirectPush | - | Mohimus. |
| Borehole Dia. (in.) | 2" | | |
| Temporary Casing Installed? (y/n) | N | _ | |
| Depth temporary casing installed | None | 10 | |
| Casing type/dia. (in.) | None | | |
| Method of installing | None | | |
| | | | |
| CASING PULLING | | | |
| Method employed | WONE | 20 | |
| Casing retrieved (feet) | NOWE | | |
| Casing type/dia. (in) | NONE | | |
| | | | |
| CASING PERFORATING | VE | | |
| Equipment used | | 30 | |
| Number of perforations/foot | - | | |
| Size of perforations | | | |
| Interval perforated | | | |
| GROUTING | | 40 | |
| Interval grouted (FBLS) | 2' | - | |
| # of batches prepared | a | 2— | |
| For each batch record: | | - | |
| Quantity of water used (gal.) | 100 | | |
| Quantity of cement used (lbs.) | 10 | 50 | |
| Cement type | Portland | | |
| Quantity of bentonite used (lbs.) | 120 | 52 — | _ |
| Quantity of calcium chloride used (lbs.) | 150 | - | |
| Volume of grout prepared (gal.) | 2 | | |
| Volume of grout used (gal.) | 2 | | |
| | | | - |
| COMMENTS: | | * Sketch in all relevant decommis | ssioning data, including: |
| | | interval overdrilled, interval gro | |
| | | well stickup, etc | , , , , |
| | | 1 | |
| D.C. | | 111 | |
| PC | | 1 Stry | |
| Drilling Contractor | | Department Representative | |

| Site Name: 15209 | | Well I.D.: MW-45 | |
|---|----------------------------|---|--|
| Site Location: 13-16 Beach Channe | 1 Nrive | Driller: Oscar Parelta | |
| Drilling Co.: PG | 1 01, | Inspector: T. Stone | |
| <u> </u> | | Date: 7/14/22 | |
| | | Date: 1/11/da | |
| DECOMMISSIONING (Fill in all that appl | | WELL SCHEMATIC* Depth (feet) | |
| Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing | Direct Push 2" N None None | | |
| CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) | J. DAC | 20 = | |
| CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated | | 30 | |
| GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: | <u>a'</u> | 40 = | |
| Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) | 75 10 Portland 90 | | |
| COMMENTS: | | * Sketch in all relevant decommissioning data, inc interval overdrilled, interval grouted, casing left well stickup, etc. | |

| Site Name: 15209 | Well I.D.: MW-5 |
|--|------------------------|
| Site Location: 13-16 Beach Channel Drive | Driller: Oscar Parelta |
| Drilling Co.: P (-) | Inspector: T. Stone |
| | Date: 7/14/22 |

| DECOMMISSIONING | DATA | | WELL COLEMATICS |
|--|--|----------------|--|
| (Fill in all that appl | | Depth | WELL SCHEMATIC* |
| (1 iii iii aii iiiat appi | <i>y </i> | (feet) | 1 1 |
| OVERDRILLING | | (1661) | |
| Interval Drilled | 26' | | - Allereda |
| Drilling Method(s) | DirectPush | | - |
| Borehole Dia. (in.) | 3" | | — |
| Temporary Casing Installed? (y/n) | | | |
| Depth temporary casing installed | | 6 | |
| Casing type/dia. (in.) | | | |
| Method of installing | | | |
| | // | | |
| CASING PULLING | | | |
| Method employed | NONE | 10 | |
| Casing retrieved (feet) | NOWE | / | |
| Casing type/dia. (in) | NOWE | | |
| CASING DEDEODATING | | | \dashv |
| CASING PERFORATING Equipment used | | 15 | \dashv |
| Number of perforations/foot | | | |
| Size of perforations | | | - |
| Interval perforated | | | |
| Thior var perrorated | | | - 1 |
| GROUTING | | 20 | |
| Interval grouted (FBLS) | a | | |
| # of batches prepared | | | |
| For each batch record: | ·/ | | |
| Quantity of water used (gal.) | 50 | 06 | |
| Quantity of cement used (lbs.) | 10 1bs | 25 | |
| Cement type | Portland | | |
| Quantity of bentonite used (lbs.) | 70 | | |
| Quantity of calcium chloride used (lbs.) | | | |
| Volume of grout prepared (gal.) | a | | |
| Volume of grout used (gal.) | J. | | |
| | | i | |
| COMMENTS: | | * Sketch in al | Il relevant decommissioning data, including: |
| | | interval ove | rdrilled, interval grouted, casing left in hole, |
| | | well stickup | , etc. |
| | | | 11 |
| 0.6 | | 11 | 7.11 |
| Drilling Contractor | - | Department 1 | Representative |

| Site Name: 15209 | Well I.D.: MW-11 |
|---|-------------------------|
| Site Location: 3-16 Beach Chapmer Prive | Driller: OSCAR Pagelta |
| Drilling Co.: V & | Inspector: Chris Evertz |
| | Date: 7/14/22 |

| (Fill in all that apply) OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared To good batches prepared The reach batches prepared |
|---|
| OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared |
| GROUTING Interval grouted (FBLS) # of batches prepared |
| Interval grouted (FBLS) # of batches prepared |
| # of batches prepared |
| |
| Ear again hatan ragged |
| For each batch record: |
| Quantity of water used (gal.) |
| Quantity of cement used (lbs.) |
| Cement type Quantity of bentonite used (lbs.) |
| Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) |
| Volume of grout prepared (gal.) |
| Volume of grout used (gal.) |
| |
| COMMENTS: * Sketch in all relevant decommissioning data, including: |
| interval overdrilled, interval grouted, casing left in hole, |
| well stickup, etc. |
| |