

Ms. Jessica LaClair Environmental Engineer New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233-7013

Date: April 1, 2021 Our Ref: AP013103.4000 Subject: Monitoring Well Decommissioning Documentation GE Former Parts and Repair Service Center, Tonawanda, New York 14150 NYSDEC Site ID: 915244; EPA ID: NYD067539940 Permit ID: 9-1464-00044/00001 Arcadis of New York, Inc. 855 Route 146 Suite 210 Clifton Park New York 12065 Phone: 518 250 7300 Fax: 518 371 2757 www.arcadis.com

Dear Ms. LaClair,

On behalf of the General Electric Company (GE), Arcadis of New York, Inc. (Arcadis) has prepared the attached monitoring well decommissioning logs for those certain wells that were decommissioned at the former GE Parts and Repair Service Center in Tonawanda, New York. In accordance with your March 8, 2021 letter, and as agreed to by GE, monitoring well MW-2R was not decommissioned. All other monitoring wells were decommissioned in accordance with the New York State Department of Environmental Conservation (NYSDEC) CP-43 well decommissioning guidance using the grout-in-place method. The rigid polyvinyl chloride (PVC) piping was cut off five feet below grade and the ground surface was restored to match the surrounding area. Additional details pertaining to the well decommissioning activities are provided in the attached.

If you have any questions, please contact me at (518) 514-8932, or Mr. Lewis Streeter of GE at (518) 388-7552.

Sincerely, Arcadis of New York, Inc.

A. Dash Wh Z

Doug Weeks Project Manager

Email: doug.weeks@arcadis.com Mobile Phone: 518 514 8932

Electronic cc. Kathleen Emery, NYSDEC Eleni Kavvadias, EPA Lewis Streeter, GE Angelica Todd, GE David Cornell, Arcadis Jim Nuss, Arcadis



Grout-in-Place

Well Decommissioning Record

| ↑ ft | Project | General Electric | Well ID MW-4 | |
|---|-----------------|----------------------------|-------------------------|--|
| | Site Location | Tonawanda, NY | | |
| Surface Completion <u>flush-mount</u> | Driller | D. Richmond | | |
| Borehole | Inspector | T. O'Rourke | | |
| Diameter <u>6 1/4 inches</u> | Date 3/18/2021 | | | |
| | Drilling Contra | Arcadis | | |
| Well | NYRD# | 11023 | | |
| Construction <u>PVC</u> | Decommissior | ning Method Grout-in | -place | |
| Well Diameter | Surface Comp | letion 8-inch flush-mo | unt curb box | |
| | Well Material | Sch.40 PVC | | |
| Grout <u>1-2 ft</u> | Well Diameter | 2" | | |
| | Additional Info | ermation 8" flush mount of | cover removed | |
| / <u>2.0</u> ft* | Sch. 40 PVC wa | as cut down 5.0' below gra | de and grouted up using | |
| Bentonite | | pe from bottom to top. | | |
| | | | | |
| <u>4.0</u> ft* | | | | |
| | GROUTING | | | |
| | Interval Groute | ed (FBLS) 16.1 | | |
| 6.0 ft* | Number of Bat | ches Prepared 1 | | |
| | | ment Used (Ibs.) | | |
| Well Screen. | Cement Type | Portland type 1&2 | | |
| Slot Size 0.020-inch | Quantity of Be | ntonite Used (Ibs.) | 5 | |
| | Quantity of Ca | | s .) n/a | |
| | Volume of Gro | ut Prepared (gal.) 10 | 0.5 | |
| | Volume of Gro | | | |
| Sand Pack | volume of Gro | ut Used (gal.) <u>4.5</u> | | |
| Size#1 Sand | 0 | | | |
| | Comments: | Ground surface restored | to match surrounding | |
| 16.0 ft* | area. | | | |
| 16.0 ft* | | | | |
| 16.0 ft* | | | | |
| | | | | |
| * Depth Below Land Surface | Prepared by | D. Richmond | | |
| Copy of Well Decommissioning Forms draft mw#4.xls | CWD # | 3032457 | | |



Well Decommissioning Record

| | ft | | Project | General Elect | ric | Well ID | MW-5R |
|-----|-----------------------|-------------|------------------|------------------------------|--------------------|---------|-------|
| ᠕ | ↓ LAND SURFACE | | Site Location | Tonawada, N | Y | | |
| ИИ | Surface Completion | flush-mount | Driller | D. Richmond | | | |
| | Borehole | | Inspector | T. O'Rourke | | | |
| | Diameter | 8" | Date | 3/18/2021 | | | |
| ΜM | \ | | Drilling Contra | ctor | Arcadis | | |
| 1.1 | Well | | NYRD# | 1102 | 3 | | |
| | Construction | PVC | Decommission | ing Method | Grout-in-place | | |
| | Well Diameter | 2" | Surface Compl | etion 8-inc | h flush-mount cur | b box | |
| | | | Well Material | Sch. 40 PVC | | | |
| | '─ Grout <u>yes</u> | | Well Diameter | 2" | | | |
| | | | Additional Info | rmation 8" flu | sh mount cover re | emoved | |
| A | <u>11.0</u> ft* | | 2-inch P\/C well | casing was cut | down 5' below gr | ada Wa | lwas |
| | | | | casing was cut | down 5 below gi | aue. we | 1 Was |
| | Bentonite | | grouted using 1- | inch tremie pip | e from bottom to | top | |
| | <u>13.0</u> ft* | | | | | | _ |
| | | | GROUTING | | | | |
| | | | Interval Groute | d (FBLS) <u>30.0'</u> | | | |
| | <u>15.0</u> ft* | | Number of Bate | ches Prepared | 1 | | |
| | | | Quantity of Cer | nent Used (Ibs | 5.) 94 | | |
| | Well Screen. | | Cement Type | Portland type | 1&2 | | |
| | Slot Size | 10 slot | Quantity of Ber | ntonite Used (I | bs.) 5 | | |
| | | | Quantity of Cal | cium Chloride | Used (Ibs.) | n/a | |
| | | | Volume of Gro | ut Prepared (g | al.) 10.5 | | |
| | | | Volume of Gro | ut llead (asl.) | 10.5 | | |
| ∣≣₊ | Sand Pack | | Volume of Gro | ur useu (gal.) | 10.3 | | |
| | Size | #00N | 0 | 0 | | | |
| | | | Comments: | - | ce was restored to | o match | |
| | 29.8 ft* | | surrounding are | :a. | | | |
| | 30.0 ft* | | | | | | |
| | 30.0 ft* | | | | | | |
| | | | Prepared by | D. Richmon | d | | |
| | * Depth Below Lar | nd Surface | CWD # | 3032457 | | | |

Copy of Well Decommissioning Forms draft mw#5R.xls Grout-in-Place



Grout-in-Place

Well Decommissioning Record

| | | Project | General Ele | ectric | Well ID MW-6 | |
|----------|--------------------|---------------------|-------------------|-----------------------------|---------------------|--------------------|
| ∇ | Surface | | Site Location | Tonawanda | , NY | |
| | | etion 4-inch Sticku | ip Driller | D. Richmor | d | |
| Ζ. | Borehole Diamet | | Inspector | T. O'Rourke | 9 | |
| | | | Date | 3/18/2021 | | |
| | K. | | Drilling Contra | ctor | Arcadis | |
| | Well | | NYRD# | 11(| 023 | |
| | | uction <u>PVC</u> | Decommission | ing Method | Grout-in-place | e |
| | Well Dian | neter 2" | Surface Compl | etion 4-in | nch Stick-up Prote | ctor |
| | K _ | | Well Material | Sch. 40 PV | С | |
| | Grout _ | 1-11 ft | Well Diameter | 2" | | |
| | / | | Additional Info | rmation 4-in | nch stick-up proted | ctor was removed |
| 4 | / <u>11.0</u> ft | * | Sch 40 PVC wa | s cut down 5 | .0' below grade a | nd well was groute |
| | | | | | | <u></u> |
| | Bentonite | | using 1-inch trer | nie pipe from | bottom to top. | |
| | <u>13.0</u> ft | L* | | | | |
| | | | GROUTING | | | |
| | | | Interval Groute | d (FBLS) <u>30</u> . | 0' | |
| | <u> </u> | * | Number of Bate | ches Prepare | ed <u>1</u> | |
| | | | Quantity of Cer | nent Used (I | bs.) 94lbs. | |
| | Well Scre | en. | Cement Type | Portland typ | be 1&2 | |
| | Slot Siz | ze <u>10 slot</u> | Quantity of Ber | ntonite Used | (lbs.) 5 | |
| | | | Quantity of Cal | | | n/a |
| | | | Volume of Grou | | | |
| | | | | - | | |
| | Sand P | Pack | Volume of Gro | ut Usea (gal. |) <u>10.5</u> | |
| | Size _ | #00N | Commencenter | One word - | (| to motob |
| | | | Comments: | Ground sur | face was restored | to match |
| | 29.8 ft | .* | surrounding are | a. | | |
| | 30.0 ft | | | | | |
| | JU.U II | L | | | | |
| | | * | | | | |
| | <u>30.0</u> ft | * | | | | |



Well Decommissioning Record

| ↑ ft | Project | General Electric | Well ID MW-7 |
|---------------------------------|------------------|------------------------------|---------------------|
| Surface | Site Location | Tonawanda, NY | |
| Completion <u>8"flush cover</u> | Driller | D. Richmond | |
| Borehole Diameter 8" | Inspector | T. O'Rourke | |
| Diameter <u>8"</u> | Date | 3/18/2021 | |
| | Drilling Contra | ctor Arcadis | |
| Well | NYRD# | 11023 | |
| Construction <u>PVC</u> | Decommissior | ning Method Grout in p | blace |
| Well Diameter | Surface Comp | letion 8-inch flush-moun | t curb box |
| - Grout 1-11 ft | Well Material | Sch.40 PVC | |
| | Well Diameter | 2" | |
| | Additional Info | rmation 8-inch flush-moun | t curb box removed |
| / <u>11.0</u> ft* | Sch. 40 PVC wa | as cut down 5.0' below grade | and well grouted up |
| Bentonite | using 1-inch tre | mie pipe from bottom to top. | |
| 13.0 ft* | | · · · | |
| | | | |
| | GROUTING | | |
| | Interval Groute | ed (FBLS) <u>30.0'</u> | |
| | Number of Bat | ches Prepared 1 | |
| | Quantity of Ce | ment Used (Ibs.) 94lbs. | |
| Well Screen. | Cement Type | Portland type 1&2 | |
| Slot Size <u>10 slot</u> | Quantity of Be | ntonite Used (Ibs.) | 5 |
| | - | Icium Chloride Used (Ibs.) | n/a |
| | - | ut Prepared (gal.) 10. | |
| | | | ~ |
| Sand Pack | Volume of Gro | ut Used (gal.) 10.5 | |
| Size #00N | | | |
| | Comments: | Ground surface restored to | o match surrounding |
| | area | | |
| 29.8 ft* | | | |
| <u>30.0</u> ft* | | | |
| <u>30.0</u> ft* | | | |
| | Prepared by | D. Richmond | |
| * Depth Below Land Surface | CWD # | 3032457 | |

Copy of Well Decommissioning Forms draft mw#7.xls Grout-in-Place



Well Decommissioning Record

| ↑ ft ↓ LAND SURFACE | Preject Concret Flectric Midl ID MM/ 0 |
|--|---|
| | Project General Electric Well ID MW-8 |
| Completion: flush mount | Site Location Towanwada, NY |
| Borehole | Driller D. Richmond |
| Diameter: <u>8"</u> | Inspector T. O'Rourke |
| | Date 3/18/2021 |
| Well | Drilling Contractor Arcadis |
| Construction: <u>PVC</u> | NYRD# <u>11023</u> |
| Well Diameter: 2" | Decommissioning Method Grout-in-place |
| | Surface Completion 8-inch flush-mount curb box |
| Grout: <u>1-11 ft</u> | Well Material Sch. 40 PVC |
| | Well Diameter 2" |
| / / <u>11</u> ft* | Additional Information 8-inch flush-mount surface completion |
| | was removed. Sch. 40 PVC was cut down 5.0' below grade and |
| Bentonite | the well was grouted with 1-inch tremie pipe installed bottom to top. |
| <u>13</u> ft* | |
| | GROUTING |
| | Interval Grouted (FBLS) <u>30</u> |
| | Number of Batches Prepared 1 |
| 15ft* | Quantity of Cement Used (Ibs.) 94 |
| | Cement Type Portland type 1&2 |
| Well Screen. | Quantity of Bentonite Used (Ibs.) 5 |
| | Quantity of Calcium Chloride Used (lbs.) n/a |
| | Volume of Grout Prepared (gal.) 10.5 |
| | Volume of Grout Used (gal.) 10.5 |
| | · · · · · · · · · · · · · · · · · · · |
| Sand Pack Size: #00N | Comments: Ground surface was restored to match |
| | surrounding area. |
| 29.8 ft* | Surface cover was missing due to previous construction activities |
| 30.0 ft* | at the site. PVC well was in-tact and open. |
| | |
| <u>30.0</u> ft* Copy of Well Decommissioning Forms 2nd draft mw#8.xls | s Prepared by D. Richmond |
| Grout-in-Place | CWD # 3032457 |