

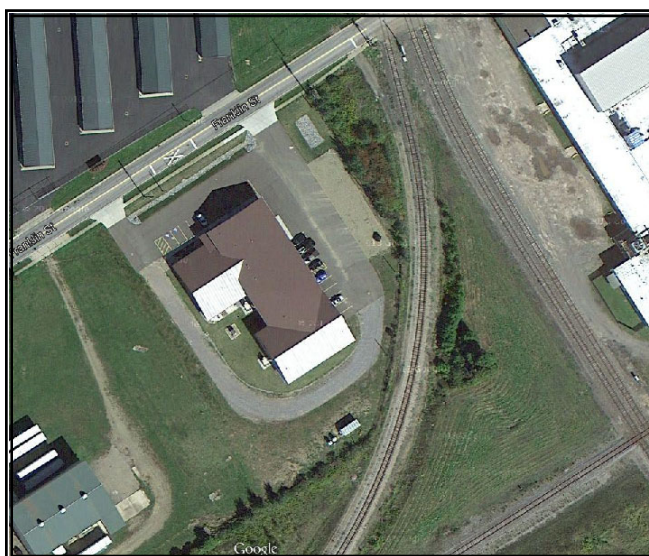
Periodic Review Report

Scott Rotary Seals Site
Olean, New York
BCP Site No. C905036

June 2017

0189-016-001

Prepared For: DST Properties NY, LLC
Scott Rotary Seals



2558 Hamburg Turnpike, Buffalo, New York | phone: (716) 856-0599 | fax: (716) 856-0583

PERIODIC REVIEW REPORT

**SCOTT ROTARY SEALS SITE
(BCP SITE NO. C905036)**

OLEAN, NEW YORK

June 2017

0189-016-001

Prepared for:

DST Properties NY, LLC

Prepared By:



Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716)856-0599

In Association With:



TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
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PERIODIC REVIEW REPORT

Scott Rotary Seals Site

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PERIODIC REVIEW REPORT

Scott Rotary Seals Site

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1.0 INTRODUCTION

Benchmark Environmental Engineering and Science, PLLC (Benchmark) in association with TurnKey Environmental Restoration, LLC (TurnKey) has prepared this Periodic Review Report (PRR), on behalf of DST Properties NY, LLC (DST) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C905036, located in Olean, Cattaraugus County, New York (Site; see Figure 1), commonly referred to as the Scott Rotary Seals Site.

This PRR has been prepared for the Scott Rotary Seals Site in accordance with NYSDEC DER-10/*Technical Guidance for Site Investigation and Remediation* (May 3, 2010). The NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form has been completed for the Site (see Appendix A).

This PRR and the associated inspections form has been completed for the post-remedial activities at the Site for the period from June 1, 2016 to May 31, 2017.

1.1 Site Description and Background

The Scott Rotary Seals Site, identified as SBL 94.040-1-29.02, is bounded by Franklin Street to the north, railroad tracks to the south and east, and commercial and former industrial properties to the west (see Figures 1 and 3). The Site was redeveloped as an approximately 15,000-sf facility for the manufacture of rotating unions and rotary timing valves along with commercial office space in Olean, New York (see Figure 1). The Site was formerly a portion of a larger refinery and petroleum bulk storage facility commonly known as the former Socony-Vacuum facility situated in a heavily industrialized area of Olean. Figure 2 is an aerial view of the Site prior to remediation and redevelopment (April 2007). Figure 3 is an aerial view of the Site following remediation and redevelopment (August 2016).

Grossly contaminated petroleum soils (GCPS) were observed site-wide during a Phase II Investigation completed by TurnKey in 2009. The investigation also identified the presence of volatile organic compounds (VOC) tentatively identified compounds (TICs) and semi-volatile organic compounds (SVOC) TICs in soil, and sec-butylbenzene and phenanthrene in groundwater above NYSDEC GWQS. Groundwater was also impacted by Light Non-Aqueous Phase Liquids (LNAPL) on at least one occasion in monitoring wells

MW-2, MW-4 and MW-6. It was concluded that, based on visual/olfactory observations, PID measurements, and analytical results, significant site-wide petroleum-VOC and -SVOC impacts were evident, with grossly contaminated soils present in some areas, and that the confirmed presence of contamination in site groundwater and soil complicated the planned use of the property.

1.2 Remedial History

After acceptance into the New York State BCP in March 2010, an Interim Remedial Measures (IRM) Work Plan was prepared and subsequently approved by the NYSDEC. IRM activities were completed between March and May 2011 to address the removal of abandoned underground piping (and the contents thereof) and removal of four soil/fill/debris piles. A Remedial Action Work Plan (RAWP) was prepared and submitted by DST and was approved by the NYSDEC to address the residual soil and groundwater remediation.

The remedial activities included:

Interim Remedial Measures

- Removed, cleaning and recycling of historic piping, collection of solid and liquid pipe contents, and off-site treatment/disposal for pipe contents;
- Excavation and off-site disposal of soil/fill/debris piles;

Remedial Actions

- Removal of shallow grossly contaminated soil/fill;
- Extraction and treatment of soil/gas using a SVE system consisting of nine extraction wells, treatment of the recovered gas with carbon, prior to discharge to the atmosphere. Carbon usage was suspended as agreed upon with the NYSDEC (refer to Section 1.3 for further detail);
- Implementation of the Excavation Work Plan (EWP) during Site redevelopment;
- Implementation of LNAPL recovery including absorbent socks and a Petrotrap™ free product skimmer in selected wells;
- Installation of a vapor barrier and an active sub-slab depressurization (ASD) system beneath the newly constructed manufacturing and commercial office space;
- Semi-annual groundwater monitoring; and
- Placement of a soil cover system.

Remedial activities were completed in July 2012. The Final Engineering Report (FER) and Site Management Plan (SMP) for the Site were approved by the Department in November 2012. The COC was issued for the Site on December 11, 2012.

1.3 Compliance and Recommendations

The site photo log is included in Appendix B. At the time of the most recent Site inspection (April 25, 2017), the Site was fully compliant with the Department's approved SMP.

The original SMP called for soil vapor extraction from 9 SVE wells, semi-annual groundwater quality monitoring from 6 groundwater monitoring wells and light non-aqueous phase liquid monitoring (LNAPL) from 3 wells. On the basis of improved unsaturated soil quality observed after COC issuance, Benchmark/TurnKey proposed in a request to dated January 20, 2016 that the SVE system be terminated; this request was approved by the NYSDEC on March 7, 2016. The 2016 PRR recommended termination of the groundwater quality monitoring and LNAPL monitoring as groundwater quality had greatly improved and LNAPL had not been detected in over two years. This recommendation was approved in a September 8, 2016 letter from the NYSDEC. Well decommissioning for the SVE, groundwater quality and LNAPL monitoring wells is described in Section 2.3.1.

2.0 SITE MANAGEMENT PLAN

A SMP was prepared for the Site, and approved by the Department in November 27, 2012. The SMP includes an Operation, Monitoring and Maintenance (OM&M) Plan, an excavation Work Plan (EWP), and a copy of the Environmental Easements. A brief description of the components of the SMP is presented below.

2.1 Operation, Monitoring and Maintenance Plan

The OM&M Plan consists of four major components, including the Active Sub-Slab Depressurization System (ASD); LNAPL Recovery System; the SVE system; and the Annual Inspection & Certification Program. As discussed in Section 1.3, LNAPL recovery, the SVE system, and groundwater monitoring components of the SMP have been terminated (as approved by the NYSDEC); and as such, these aspects of the OMM are not discussed further.

2.1.1 Active Sub-slab Depressurization System

An ASD system was installed within the newly-constructed manufacturing and commercial office space building. As required by the Department-approved SMP, the ASD system must: (1) be operated continuously to maintain a negative pressure (below ambient atmospheric) under the floor slab; (2) be visually inspected periodically to verify proper operation; and (3) annually inspected and certified that the system is performing properly and remains an effective engineering control (EC).

During the annual Site Inspection, the inspector verified that the ASD system was operating properly, as indicated by the readings on the vacuum gauges. A summary of the ASD periodic inspection readings are included in Appendix C.

2.2 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines the requirements for the Site, to certify and attest that the institutional controls and/or engineering controls employed at the Site are unchanged from the previous certification. The Annual Certification consists of an annual Site Inspection to complete the NYSDEC's IC/EC Certification Form. The Site inspection verifies that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

A Site inspection of the property was conducted by a Benchmark scientist who meets the requirements of a Qualified Environmental Professional (QEP) on April 25, 2017. At the time of the inspection, the property was being used as for the manufacture of rotary seals and unions (Scott Rotary Seals) with surface parking and landscaped areas. No observable indication of intrusive activities was noted during the Site inspection. Scott Rotary Seals utilizes the local municipal water supply, and no observable use of groundwater was noted during the Site inspection.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photolog of the Site inspection is included in Appendix B.

2.3 Excavation Work Plan (EWP)

The EWP was included in the approved-SMP for the Site. The EWP provides guidelines for the management of soil and fill material during any future intrusive activities.

No intrusive activities requiring management of on-Site soil or fill material; or the placement of backfill materials were reported or observed to have occurred during the monitoring period.

2.3.1 Well Decommissioning

The SVE wells, SVE-1 through SVE-9, and monitoring wells, MW-1 through MW-6, were decommissioned on October 17 and 18, 2016. Well decommissioning logs are contained in Appendix D.

2.4 Engineering and Institutional Control Requirements and Compliance

As detailed in the Environmental Easements, several IC/ECs need to be maintained as a requirement of the BCAs for the Site.

2.4.1 Institutional Controls

- Groundwater-Use Restriction – the use of groundwater for potable and non-potable purposes is prohibited; and
- Land-Use Restriction: The controlled property may be used for commercial and/or industrial use; and
- Implementation of the SMP including the OM&M Plan and EWP.

2.4.2 Engineering Controls

- Vapor Mitigation – ASD System has been operated continuously and properly maintained.
- Cover System – The cover system, including building foundations, concrete sidewalks, asphalt and gravel driveways and parking areas, and landscaped vegetated areas are all being maintained in compliance with the SMP.

3.0 CONCLUSIONS AND RECOMMENDATIONS

At the time of the Site inspection, the Site was in compliance with the SMP. Specifically, the Site is fully compliant with the Institutional Controls including land-use restrictions, groundwater-use restrictions, and the Excavation Work Plan component; and fully compliant with the Engineering Controls (continuous operation of the ASD system). The cover system is compliant with the Cover System Engineering Control.

Recommendations

The Periodic Review Report, currently completed annually, is hereby recommended to be put on a triennial (3 year) cycle.

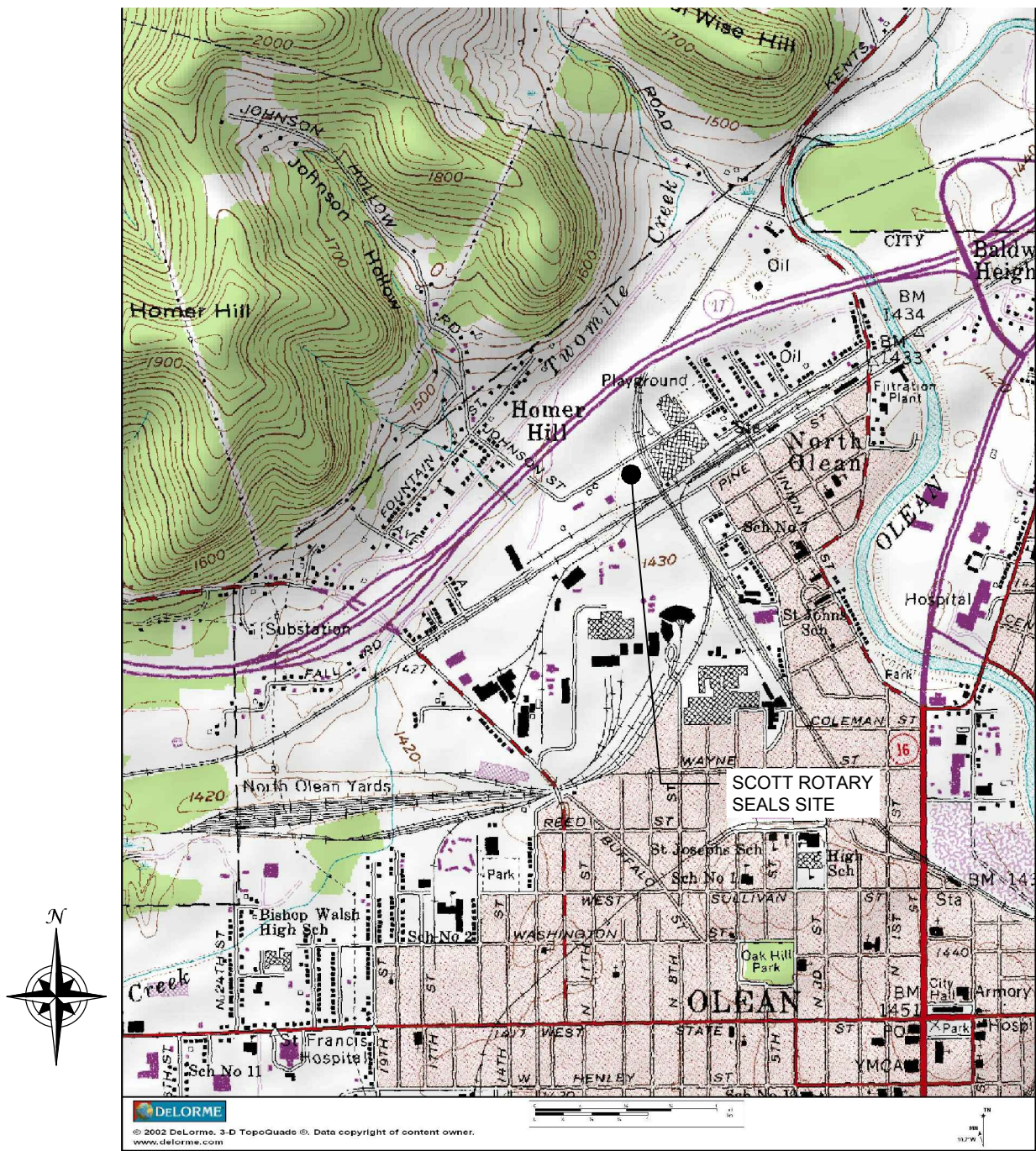
4.0 DECLARATION/LIMITATION

Benchmark Environmental Engineering and Science, PLLC, personnel conducted the annual site inspections for Brownfield Cleanup Program Site No. C905036, Olean, New York, according to generally accepted practices. This report complied with the scope of work provided to DST Properties NY, LLC by Benchmark Environmental Engineering and Science, PLLC and TurnKey Environmental Restoration, LLC.

This report has been prepared for the exclusive use of DST Properties NY, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of DST Properties NY, LLC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering and Science, PLLC and TurnKey Environmental Restoration, LLC.

FIGURES

FIGURE 1



2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599



SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT
SCOTT ROTARY SEALS SITE

OLEAN, NEW YORK
PREPARED FOR
DST PROPERTIES NY, LLC

DISCLAIMER: PROPERTY OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. & TURNKEY ENVIRONMENTAL RESTORATION, LLC. **IMPORTANT:** THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC & TURNKEY ENVIRONMENTAL RESTORATION, LLC.



APPROXIMATE SCALE 1" = 100'



Property Boundary (Approximate)

Base Image Google Earth April 2007



2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599



PROJECT NO.: 0189-016-001

DATE: MAY 2017

DRAFTED BY: RFL

SITE PLAN PRE-REMEDATION

PERIODIC REVIEW REPORT
SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK

PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 2

DISCLAIMER: PROPERTY OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. & TURNKEY ENVIRONMENTAL RESTORATION, LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC & TURNKEY ENVIRONMENTAL RESTORATION, LLC.



Approximate Scale 1" = 100'

Property Boundary (Approximate)

Base Image Google Earth August 2016



2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599



PROJECT NO.: 0189-016-001

DATE: MAY 2017

DRAFTED BY: RFL

SITE PLAN POST-REMEDIATION

PERIODIC REVIEW REPORT
SCOTT ROTARY SEALS SITE
OLEAN, NEW YORK

PREPARED FOR
DST PROPERTIES NY, LLC

FIGURE 3

DISCLAIMER: PROPERTY OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. & TURNKEY ENVIRONMENTAL RESTORATION, LLC IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC & TURNKEY ENVIRONMENTAL RESTORATION, LLC.

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. C905036

Site Name Scott Rotary Seals

Site Address: 301 Franklin Street Zip Code: 14760

City/Town: Olean

County: Cattaraugus

Site Acreage: 2.0

Reporting Period: *June 01* *31*
~~May 02, 2016 to May 02, 2017~~

YES NO

1. Is the information above correct? ☐ YES ☒ NO

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ YES ☒ NO
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ YES ☒ NO
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ YES ☒ NO

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ YES ☒ NO

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial ☒ YES ☐ NO
7. Are all ICs/ECs in place and functioning as designed? ☒ YES ☐ NO

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C905036**Box 3****Description of Institutional Controls**Parcel**94.040-1-29.02**Owner

DST Properties NY, LLC

Institutional Control

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan

The engineering controls shown stricken out in Boxes 3 and 4 (red strike-out line) are no longer part of the SMP as approved by the NYSDEC

Soil Management Plan
IC/EC Plan

The Environmental Easement filed on 08/15/2012 requires compliance with the approved Site Management Plan (SMP) dated November 2012. Controls required under the SMP include:

- Property may only be used for commercial or industrial uses. Lower uses (residential/restricted residential), farming and vegetable gardens prohibited.
- Groundwater use restriction.
- soil and hardscape cover system covering the entire surface of the site (approximately 2 acres)
- Active subslab depressurization system to mitigate potential vapor intrusion into the existing on-site building. Future on-site buildings require vapor intrusion assessment or mitigation.
- ~~- Continued operation of a soil vapor extraction system to remediate soil contaminated with petroleum related VOCs and SVOCs from 6 feet below ground surface to the water table.~~
- ~~- Groundwater treatment to remove LNAPL.~~
- ~~- Semi-annual groundwater monitoring.~~
- Monthly system monitoring. Annual site inspection and certifications.

Box 4**Description of Engineering Controls**Parcel**94.040-1-29.02**Engineering Control

Vapor Mitigation
Cover System
~~Groundwater Treatment System~~
~~Air Sparging/Soil Vapor Extraction~~

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C905036

Box 6


SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jeff Meister at DST Properties NY, LLC
print name print business address

am certifying as President & owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

6/12/2017
Date

IC/EC CERTIFICATIONS


Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PAUL H. WERTHMAN at 2558 HAMBURG TURNPIKE, SUITE 300
print name print business address LACKAWANNA, NY 14218

am certifying as a Professional Engineer for the DST Properties NY, LLC
(Owner or Remedial Party)



[Signature]

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp
(Required for PE)

Date

6/2/17

APPENDIX B

SITE PHOTOGRAPHIC LOG

SITE PHOTOGRAPHS

Photo 1:



*

Photo 2:



Photo 3:



Photo 4:



Photo 1: Manometer gauge (1.6 inches WC indicated – Fan 6)

Photo 2: Photohelic gauge (1.85 inches WC indicated – Fan 3)

Photo 3: Front of SRS Building (North looking northeast).

Photo 4: Scott Rotary Seals (SRS) Bldg. (looking southeast).

Scott Rotary Seals Site
Olean, New York
Site Inspection Date: April 25, 2017

Inspector: BMG



SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: Rear Side (south) of SRS Building; (looking east).

Photo 6: East side of site detention basin (looking south).

Photo 7: Northwest side of SRS Building (looking southeast).

Photo 8: West side of Site (looking southeast).

Scott Rotary Seals Site
Olean, New York
Site Inspection Date: April 25, 2017

Inspector: BMG



APPENDIX C

ASD PERIODIC INSPECTION LOGS

TABLE 1
Scott Rotary Seals Site (C905036)
ASD System Inspection Log

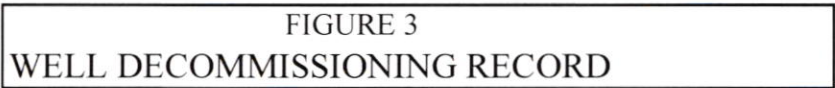
Date	Time	Inspector's Initials	ASD-1 (in.WC)	ASD-2 (in.WC)	ASD-3 (in.WC)	ASD-4 (in.WC)	ASD-5 (in.WC)	ASD-6 (in.WC)	ASD-7 (in.WC)
7/10/14	8:00	PWW	2.4	1.75	1.85	2.0	1.25	1.6	1.5
8/4/14	10:30	PWW	2.4	1.75	1.85	2.0	1.35	1.6	1.5
9/22/14	12:45	PWW	2.3	1.75	1.95	2.0	1.35	1.6	1.5
10/9/14	12:00	PWW	2.3	1.75	1.95	2.0	1.35	1.6	1.5
11/3/14	10:30	PWW	2.3	1.75	1.95	2.0	1.35	1.6	1.5
12/4/14	16:00	PWW	2.2	1.75	1.9	2.0	1.3	1.6	1.5
1/6/15	16:00	PWW	2.3	1.75	1.9	2.0	1.3	1.6	1.5
2/23/15	13:25	PWW	2.3	1.75	1.9	2.0	1.3	1.6	1.5
3/12/15	10:22	ML	2.3	1.75	1.85	2.0	1.3	1.6	1.5
4/15/15	12:37	ML	2.2	1.75	1.85	2.0	1.3	1.6	1.5
5/29/15	12:30	PWW	2.2	1.75	1.85	2.0	1.3	1.6	1.5
6/19/15	16:00	PWW	2.2	1.75	1.85	2.0	1.3	1.6	1.5
7/15/15	12:51	ML	2.2	1.8	1.9	2.0	1.35	1.6	1.4
8/17/15	12:37	ML	2.1	1.8	1.9	2.0	1.35	1.6	1.4
9/2/15	13:40	PWW	2.1	1.75	1.9	2.0	1.35	1.6	1.5
10/6/15	13:10	ML	2.2	1.8	1.9	2.0	1.35	1.6	1.5
11/11/15	9:07	ML	2.2	1.8	1.9	2.0	1.3	1.7	1.5
12/2/15	10:53	ML	2.2	1.8	1.9	2.0	1.35	1.7	1.4
1/5/16	9:12	ML	2.3	1.8	1.9	2.0	1.3	1.6	1.4
2/2/16	9:10	ML	2.3	1.8	1.85	1.9	1.3	1.6	1.4
3/1/16	9:07	ML	2.2	1.75	1.85	1.9	1.3	1.6	1.4
4/14/16	9:15	ML	2.2	1.8	1.85	1.9	1.3	1.6	1.4
5/6/16	10:19	ML	2.2	1.8	1.85	2.0	1.3	1.7	1.4
6/2/16	10:49	ML	2.2	1.75	1.85	2.0	1.3	1.6	1.4
6/29/16	10:08	ML	2.2	1.8	1.9	2.0	1.35	1.6	1.4
8/15/16	11:15	BMG	2.2	1.8	1.9	2.0	1.35	1.6	1.4
9/1/16	15:30	BMG	2.2	1.85	1.9	2.0	1.35	1.6	1.4
10/18/16	16:00	BMG	2.2	1.85	1.9	2.0	1.4	1.6	1.4
11/16/16	14:30	BMG	2.2	1.85	1.85	2.0	1.35	1.6	1.4
12/6/16	10:50	BMG	2.2	1.85	1.85	2.0	1.35	1.6	1.4
1/4/17	8:30	BMG	2.2	1.8	1.8	1.9	1.35	1.6	1.4
2/14/17	8:30	BMG	2.2	1.8	1.8	1.9	1.35	1.6	1.4
3/6/17	13:40	BMG	2.2	1.8	1.8	1.9	1.35	1.6	1.4
4/11/17	15:00	BMG	2.2	1.8	1.8	1.9	1.35	1.6	1.4

Notes:

Date	
8/4/14	ASD-1 Fan has bad bearing, but is still operational. Order replacement fan.
8/22/14	ASD-1 Fan replaced by Mitigation Tech.

APPENDIX D

WELL DECOMMISSIONING LOGS



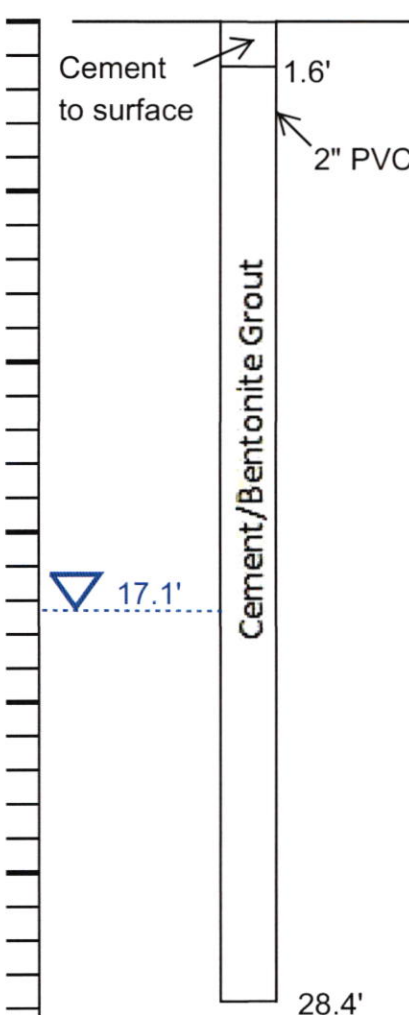
DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*		
<u>OVERDRILLING</u>		Depth (feet) 0 5 10 15 20 25 30		
Interval Drilled				
Drilling Method(s)				
Borehole Dia. (in.)				
Temporary Casing Installed? (y/n)				
Depth temporary casing installed				
Casing type/dia. (in.)				
Method of installing				
<u>CASING PULLING</u>				
Method employed				
Casing retrieved (feet)				
Casing type/dia. (in)				
<u>CASING PERFORATING</u>				
Equipment used				
Number of perforations/foot				
Size of perforations				
Interval perforated				
<u>GROUTING</u>				
Interval grouted (FBLs)	0 to 31.2			
# of batches prepared	1			
For each batch record:				
Quantity of water used (gal.)	7.8			
Quantity of cement used (lbs.)	94			
Cement type	Type I & II			
Quantity of bentonite used (lbs.)	3.9 lbs			
Quantity of calcium chloride used (lbs.)				
Volume of grout prepared (gal.)	10			
Volume of grout used (gal.)	6.0			
			27.2' 31.2'	

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: MW 2
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/18/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u> Interval Drilled <input type="text"/> Drilling Method(s) <input type="text"/> Borehole Dia. (in.) <input type="text"/> Temporary Casing Installed? (y/n) <input type="text"/> Depth temporary casing installed <input type="text"/> Casing type/dia. (in.) <input type="text"/> Method of installing <input type="text"/>		Depth (feet) 0 5 10 15 20 25 30	
<u>CASING PULLING</u> Method employed <input type="text"/> Casing retrieved (feet) <input type="text"/> Casing type/dia. (in.) <input type="text"/>			
<u>CASING PERFORATING</u> Equipment used <input type="text"/> Number of perforations/foot <input type="text"/> Size of perforations <input type="text"/> Interval perforated <input type="text"/>			
<u>GROUTING</u> Interval grouted (FBLs) <input type="text"/> 0 to 28.0 # of batches prepared <input type="text"/> 1 For each batch record: Quantity of water used (gal.) <input type="text"/> 7.8 Quantity of cement used (lbs.) <input type="text"/> 94 Cement type <input type="text"/> Type I & II Quantity of bentonite used (lbs.) <input type="text"/> 3.9 lbs Quantity of calcium chloride used (lbs.) <input type="text"/> Volume of grout prepared (gal.) <input type="text"/> 10 Volume of grout used (gal.) <input type="text"/> 5.1			

COMMENTS: Grouted in place. Displace and remove 1.9 gallons of water.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well pickup, etc.

Drilling Contractor

Department Representative

11-8-16

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: MW 3
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/17/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		<p>Depth (feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p> <p>25</p> <p>30</p>	<p>Soil backfill</p> <p>1.0'</p> <p>2" PVC</p> <p>Cement/Bentonite Grout</p> <p>27.5'</p>
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLS)	0 to 27.5		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	5.0		

COMMENTS: Grouted in place. Displace and remove 1.5 gallons of water.

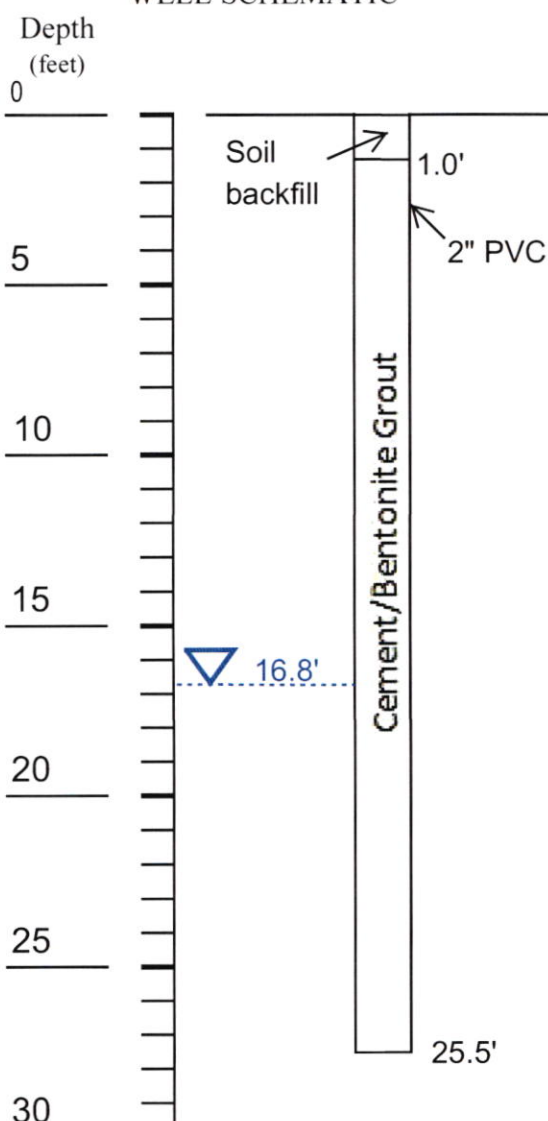
* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

[Signature] 11-8-16
Drilling Contractor

Department Representative


FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: MW 4
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/17/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>			
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed	Pull & Remove		
Casing retrieved (feet)	3.5'		
Casing type/dia. (in.)	2"		
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLS)	0 to 25.5		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	4.8		

COMMENTS: Grouted in place. Displace and remove 1.5 gallons of water.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

 11-8-16
Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: MW 5
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/17/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		<p>Depth (feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p> <p>25</p> <p>30</p>	<p>Soil backfill</p> <p>0.67'</p> <p>2" PVC</p> <p>Cement/Bentonite Grout</p> <p>24.0'</p> <p>28.4'</p>
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)	2"		
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLS)	0 to 28.4		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	6		

COMMENTS: Grouted in place. Displace and remove 1.0 gallons of water.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

11-8-16

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: MW 6
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/17/16

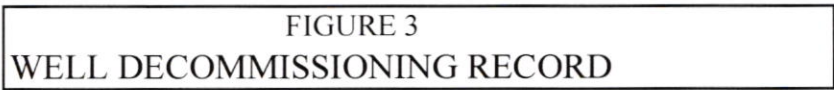
DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		<p>Depth (feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p> <p>25</p> <p>30</p>	<p>Soil backfill</p> <p>1.0'</p> <p>2" PVC</p> <p>Cement/Bentonite Grout</p> <p>19.7'</p> <p>27.2"</p>
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	0.5 to 27.2'		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	6		

COMMENTS: Grouted in place. Displace and remove 1.3 gallons of water.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

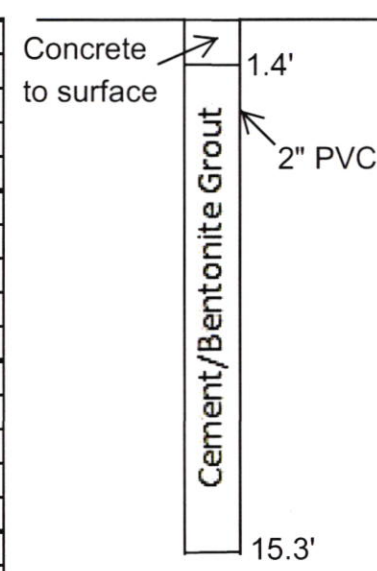


DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet) 0 5 10 15 20	<p>Concrete to surface</p> <p>1.3'</p> <p>2" PVC</p> <p>Cement/Bentonite Grout</p> <p>14.5'</p>
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLS)	0 to 14.5		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	2.8		

Department Representative

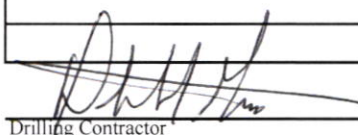
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: SVE 2
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/18/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		<p>Depth (feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p>	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLS)	0 to 15.3		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	2.9		

COMMENTS: Grouted in place. SVE well. Dry. No water.

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

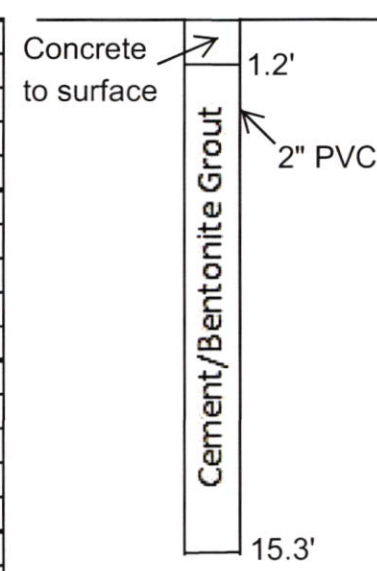
 **11-8-16**

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: SVE 3
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/18/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		<p>Depth (feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p>	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLS)	0 to 15.3		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	2.8		

COMMENTS: **Grouted in place. SVE well. Dry. No water.**

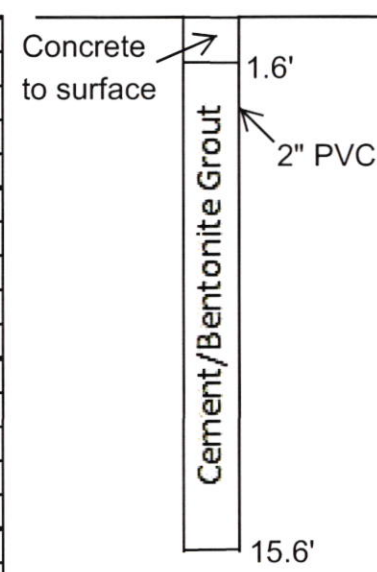
* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: SVE 4
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/18/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		<p>Depth (feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p>	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	0 to 15.6		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	2.8		

COMMENTS: **Grouted in place. SVE well. Dry. No water.**

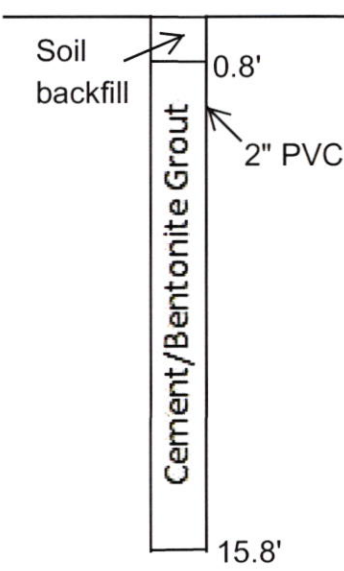
* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

Drilling Contractor

Department Representative


FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: SVE 5
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/17/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		<p>Depth (feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p>	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	0 to 15.8		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	3		

COMMENTS: **Grouted in place. SVE well. Dry. No water.**

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

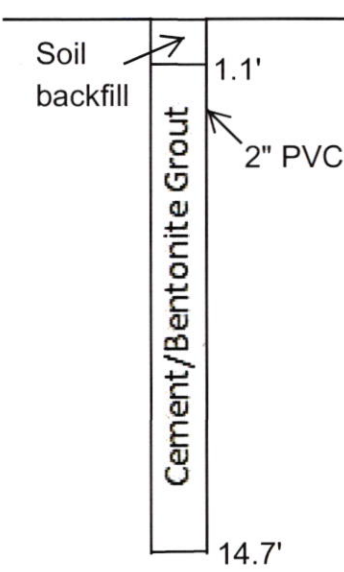
 **11-8-16**

Drilling Contractor

Department Representative

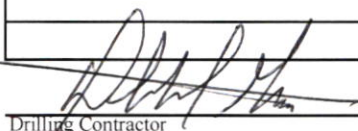
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: SVE 6
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/17/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		<p>Depth (feet)</p> <p>0</p> <p>5</p> <p>10</p> <p>15</p> <p>20</p>	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	0 to 14.7		
# of batches prepared	1		
<u>For each batch record:</u>			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	2.5		

COMMENTS: **Grouted in place. SVE well. Dry. No water.**

* Sketch in all relevant decommissioning data, including:
interval overdrilled, interval grouted, casing left in hole,
well stickup, etc.

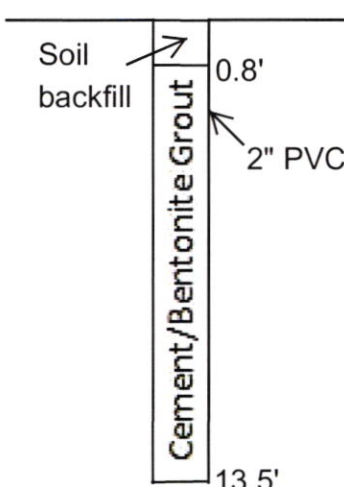
 **11-8-16**

Drilling Contractor

Department Representative

FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: SVE 7
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/17/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet) 0 5 10 15 20	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in.)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBS)	0 to 13.5		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	2.6		

COMMENTS: Grouted in place. SVE well. Dry. No water.

[Signature] **11-8-16**

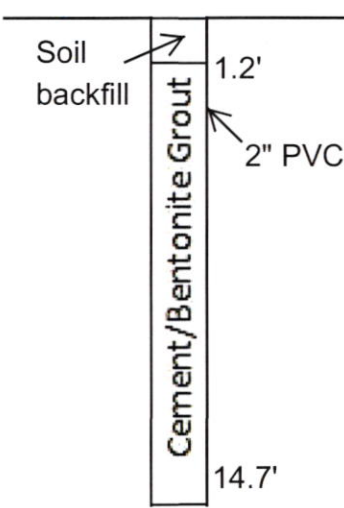
* Sketch in all relevant decommissioning details including:
 interval overdrilled, interval grouted, interval casing, etc.
 well stickup, etc.

Drilling Contractor

Department Representative

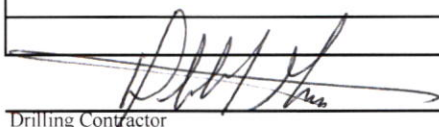
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: SVE 8
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/18/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet) 0 5 10 15 20	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLs)	0 to 14.7		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	2.6		

COMMENTS: **Grouted in place. SVE well. Dry. No water.**

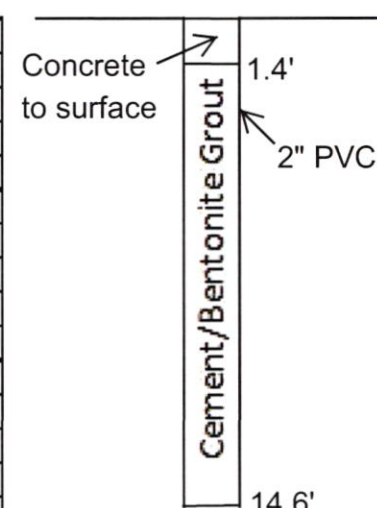
* Sketch in all relevant decommissioning:
interval overdrilled, interval grouted, hole,
well pickup, etc.

 11-8-16
Drilling Contractor

Department Representative

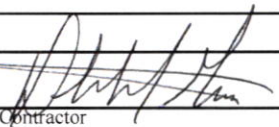
FIGURE 3
WELL DECOMMISSIONING RECORD

Site Name: Scott Rotary Seal	Well I.D.: SVE 9
Site Location: Olean, NY	Driller: Dale Gramza
Drilling Co.: Nature's Way Environmental	Inspector:
	Date: 10/18/16

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC*	
<u>OVERDRILLING</u>		Depth (feet) 0 5 10 15 20	
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed			
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>			
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>			
Equipment used			
Number of perforations/foot			
Size of perforations			
Interval perforated			
<u>GROUTING</u>			
Interval grouted (FBLS)	0 to 14.6		
# of batches prepared	1		
For each batch record:			
Quantity of water used (gal.)	7.8		
Quantity of cement used (lbs.)	94		
Cement type	Type I & II		
Quantity of bentonite used (lbs.)	3.9 lbs		
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)	10		
Volume of grout used (gal.)	2.9		

COMMENTS: **Grouted in place. SVE well. Dry. No water.**

* Sketch in all relevant decommissioning:
interval overdrilled, interval grouted, 1 hole,
well stickup, etc.

 11-8-16
Drilling Contractor

Department Representative