PERIODIC REVIEW REPORT

August 29, 2021 to August 29, 2022

1966E Broadhollow Road
Farmingdale, NY 11735
Site #152119

Prepared for:

Target Rock Corporation
1966E Broadhollow Road
Farmingdale, NY 11735

Prepared by:

Tyll Engineering and Consulting, PC
169 Commack Road, Suite 173
Commack, New York 11725

September 23, 2022

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1.0 INTRODUCTION

The following Periodic Review Report (PRR) has been prepared by Tyll Engineering and Consulting, PC (TEC) on behalf of Curtiss-Wright Flow Control (Curtiss-Wright) for the property located at 1966 E Broadhollow Road, in East Farmingdale, New York (Site) (Figure 1). This PRR document was prepared in accordance with the Site Management requirements as detailed in the Site Management Plan (SMP) prepared by TetraTech for the New York State Department of Environmental Control (NYSDEC) dated July 2019 (NYSDEC site number 1-52-119). DER-10 and the site specific SMP. This document was prepared in accordance with the Site Management Plan (SMP) dated July 2019 for NYSDEC Site Number: 1-52-119.

1.1 Site Overview

The Site is located in East Farmingdale, County of Suffolk, New York and is identified as Section 17, Block 14, Lots 11 and 12 on the East Farmingdale Tax Map. The Site is approximately 11-acres in size and is bounded by commercial properties and parking lots to the north and east, a residential neighborhood to the south, (Alexander Avenue), and an apartment building to the west (on Melville Road). See Figures 1 and 2.

The site contains two manufacturing buildings designated as “East” and “West”. The West building is 400 feet x 250 feet and is used for manufacturing and office space (Figure 3); the East building is 350 feet x 300 feet and is used for shipping and receiving, valve testing, and contains additional manufacturing and office space.

1.2 Site History

The Site was originally used as a sand and gravel bank. In 1972, the East building was constructed and housed a J.C. Penney warehouse until 1981 when Target Rock Corporation (Target Rock) moved into the building. The exact date of construction of the West building is unknown. It was leased for office space by Target Rock who then purchased the property and expanded the building by 40,000 ft^2 in 1975.

Several environmental investigations have been performed at the Site over may years, the results of which have determined that there are no current or future environmental exposure pathways that require active remediation.

Between 1983 and 2009, several soil investigations were performed at the Site. The investigations were associated with a former 550-gallon UST that was the confirmed source of chlorinated volatile organic compounds in soil. The tank was removed in 2003/2004. In 2009, two (2) soil borings were advanced in the former UST area and soil samples were collected from each boring at 7.5 – 9.5 feet

and 13 to 15 feet below grade. Three of the samples had no exceedances of the NYSDEC Soil Cleanup Objectives (SCOs)s, however, one sample from the 13 to- 15 foot interval contained a marginal exceedance of tetrachloroethene (PCE) above the NYSDEC Unrestricted Use SCOs. This was the last soil investigation conducted at the Site. Though localized residual contamination remains at depth in the former UST area, the area is overlain by an asphalt capping system and no longer considered an environmental concern.

Between 1992 and 2010, seven (7) groundwater monitoring wells, TRMW_1 through TRMW-7, were installed at the Site and groundwater sampling for volatile organic compounds (VOCs) has been conducted. In 2011, based on the results of historic groundwater investigations, it was determined that no active groundwater remediation was required at the Site. Subsequent groundwater data collected during two sampling events in 2012 revealed no exceedances of NYSDEC groundwater standards for VOCs in any of the wells. As a result, groundwater use restrictions were deemed unnecessary at the Site.

1.3 Summary of Site Remedial Actions

The site was remediated in accordance with the NYSDEC March 2011 Record of Decision (ROD) which approved the Proposed Remedial Action Work Plan dated February 2011.

The following is a summary of the remedial actions performed at the site:

1. Imposition of an institutional control (IC) in the form of an environmental easement that required (1) limiting the use and development of the property to restricted residential use, which would also permit commercial or industrial uses; (2) compliance with the approved site management plan; and (3) completion and submittal of a periodic certification of engineering and institutional controls (EC/IC) to NYSDEC.

2. Development of a Site Management Plan (SMP) which includes the following EC/IC: (1) subsequent evaluation of the potential for vapor intrusion for any buildings developed on the site, including provisions for implementing actions recommended to address exposures related to soil vapor intrusion; (2) monitoring of groundwater, soil vapor, sub-slab vapors, and indoor air; (3) identification of any use restrictions on the site; and (4) provisions for the continued proper operation and maintenance of the components of the remedy.

3. Periodic certification of EC/IC, prepared and submitted by a professional engineer or such other expert acceptable to the Department, by the property owner until the Department indicates in writing that this certification is no longer needed. This submittal includes (1) certification that the EC/ICs put in place are still in place and are either unchanged from the

previous certification or are compliant with Department-approved modifications; (2) allowing the Department access to the site; and (3) certification that nothing has occurred that would impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the SMP unless otherwise approved by the Department.

4. The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

5. Based on the potential presence of VOCs beneath the buildings, continued operation, maintenance and monitoring of the building HVAC system is required. Operation of the HVAC system, in conjunction with the building's competent concrete floor slab, mitigates the potential for indoor air to be impacted from sub-slab vapor intrusion.

1.4 Site Closure Criteria

Generally, remedial processes are considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.6 of NYSDEC DER-10.

1.5 Deviations from the Remedial Action Work Plan

No changes to the remedial design were reported or observed during the reporting period.

2.0 EVALUATE REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

An annual evaluation/inspection is completed at the Site to document the operation and effectiveness of the HVAC and soil cap.

The Site-wide inspection was conducted on May 13, 2022 by Karen Tyll, P.E. The inspection included the asphalt cap and the adjacent asphalt paved parking lots. The Site wide inspection form is enclosed in Appendix A. Select photographs taken during the inspection are also provided in Appendix D.

No additional inspections were conducted during this reporting period as there were no events that warranted inspections or emergency inspections. The Engineering Controls at the Site have been and continue to be in place and operating effectively to meet Remedial Action Objectives for both groundwater and soil vapor.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN COMPLIANCE REPORT

3.1 Engineering Controls

Engineering controls (ECs) at the Site consist of a soil and asphalt cap and the building HVAC System. Assurance of the ECs developed for the Site will be achieved using a combination of site inspections and annual certifications. The engineering control (UST cap) was inspected and evaluated on January 6, 2022 and May 13, 2022 by Karen Tyll, PE.

The UST cap prevents access to the localized residual contamination that remains beneath the former UST area, located in the northwest section of the site. This residual contamination in the former UST area is reported to be present at a depth of 12 to 15 feet below grade. This area is overlain by an asphalt cap system thus eliminating any potential for exposure. This cap system consists of the asphalt pavement, gravel sub-base and on-site soils. Procedures for the inspection and maintenance of this cap are provided in the Monitoring Plan included in Section 4 of the SMP.

The engineering controls (HVAC System) was inspected and pressure tested on June 29, 2022 by Chris Channing, PE. The operation of the HVAC to keep the building under positive pressure, in conjunction with the building's competent concrete floor slab, mitigates the potential for indoor air to be contaminated from sub-slab vapor intrusion. Accordingly, continued operation and maintenance of the building HVAC system is necessary until such time that residual VOCs in the subsurface are no longer present at a level that may cause an exceedance of the NYSDOH air quality criteria in the building.

3.2 Institutional Controls

A series of ICs is required by the ROD to: (1) implement, maintain, and monitor EC systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the site to commercial, industrial, and restricted residential uses only. Adherence to these ICs on the Site is required by the Environmental Easement and will be implemented under this SMP. These ICs are:

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns must be met.

- All ECs must be operated and maintained as specified in the SMP.
- All ECs on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.
- Operation of the HVAC system in the West Building must be performed as defined in the SMP.

- Data and information pertinent to site management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The Site has a series of ICs in the form of site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

1. The property may only be used for commercial, industrial, or restricted residential use provided that the long-term Engineering and Institutional Controls included in the SMP are employed.
2. The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.
3. All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.
4. The potential for vapor intrusion must be evaluated for any buildings developed in the area, and any potential impacts that are identified must be monitored or mitigated.
5. Vegetable gardens and farming on the property are prohibited.
6. The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

The environmental easement for the site was executed by the Department on October 19, 2017 and filed with the Suffolk County Clerk on October 19, 2017. The County Recording Identifier number for this filing is D00012934 and Page number 420 and DT# 17-09607. A copy of the easement and proof of filing is provided in Appendix B of the Site Management Plan (not attached).

3.3 Status of Controls

At the time of this PRR, the Engineering Controls in the form of the UST cap and building HVAC system are operating as designed. The IC in the form of the environmental easement was completed and obtained on October 19, 2017.

3.3.1 Corrective Measures

There are no observed or known deficiencies associated with the Engineering Controls (Asphalt Cap or HVAC System) or of the Institutional Controls at this time. As a result, no additional corrective measures are warranted.

3.4 IC/EC Certification

The annual certification for the Site consists of completed NYSDEC IC/EC Certification Forms. The completed IC/EC Certification Forms were signed on September 23, 2022 and are enclosed in Appendix B. The annual certification was prepared in accordance with the SMP and has been signed by the property owner, Curtiss-Wright Flow Control, and Karen Tyll, P.E., a professional engineer licensed to practice in New York State, as the Qualified Environmental Professional (QEP).

4.0 MONITORING PLAN COMPLIANCE REPORT

The Monitoring Plan describes the measures required for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site and all affected Site media identified below, if required. The Monitoring Plan may only be revised with the approval of NYSDEC.

This Monitoring Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., indoor air, soil vapor);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance;
- Assessing that Engineering Controls are in place and properly maintained (i.e., the asphalt cap is in good repair and the HVAC system is operating properly to maintain positive pressure within the building).
- Assessing achievement of the remedial performance criteria.
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment; and
- Preparing the necessary reports for the various monitoring activities.

To adequately address these issues, the Monitoring Plan provides information on:

- Sampling locations, protocol, and frequency;
- Information on all designed monitoring systems (e.g., well logs);
- Analytical sampling program requirements;
- Reporting requirements;
- Quality Assurance/Quality Control (QA/QC) requirements;
- Inspection and maintenance requirements for monitoring wells.
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Annual monitoring of the performance of the remedy and overall reduction in contamination on-site and off-site will be conducted for the first five years. The frequency thereafter will be determined by NYSDEC. Trends in contaminant levels in air, soil, and/or groundwater in the affected areas, will be evaluated to determine if the remedy continues to be effective in achieving remedial goals. Monitoring program requirements are summarized below:

Matrix	Frequency	Analysis	Compliance Date (for the current review period)
Groundwater Soil	TBD TBD, sampling may be required if Site conditions change	VOCs	N/A
Soil Vapor	TBD, Sampling may be required if EC are not operating as required or if site conditions change,	VOC (TO-15 over 8 hours)	N/A
Indoor Air	Once during 2019-2020 Heating Season. Sampling may be required if EC are not operating as required or if site conditions change,	VOC (TO-15 over 8 hours)	N/A
HVAC Inspection	Annually between November and May	N/A	June 29, 2022
Soil Cap Inspection	Biannually; in the Fall (September to December) and in the Spring (March to June)	N/A	January 6, 2022 May 13, 2022

5.0 OPERATION & MAINTENANCE (O&M) PLAN COMPLIANCE REPORT

5.1 UST Cap Area

The cap over the former UST area was constructed to minimize the infiltration of water into the subsurface and the subsequent migration of residual VOCs into the groundwater. This EC may require the following operation and maintenance activities:

- Biannual inspection to observe the integrity of the asphalt to shed water
- Periodic sealing of the asphalt
- Periodic sealing of cracks in the asphalt
- Period patching of potholes in the asphalt

Maintenance will be performed on an as-needed basis based on biannual inspections.

No cracks were observed in the asphalt UST cap.

5.2 HVAC System

Operation of the HVAC system is a mechanical control intended to maintain positive pressure in the building to mitigate the migration of soil vapors into the building. This EC may require the following operation and maintenance activities:

- Annual verification of the positive pressure within the building
- Evaluation and or modification of HVAC system components (air handlers, conveyance system, etc.) should the inspection indicate the positive pressure is not being maintained
- Evaluation of sub-slab soil gas and/or indoor air quality should the inspection indicate the positive pressure is not being maintained
- Evaluation of changes to the building structure that may affect air flow

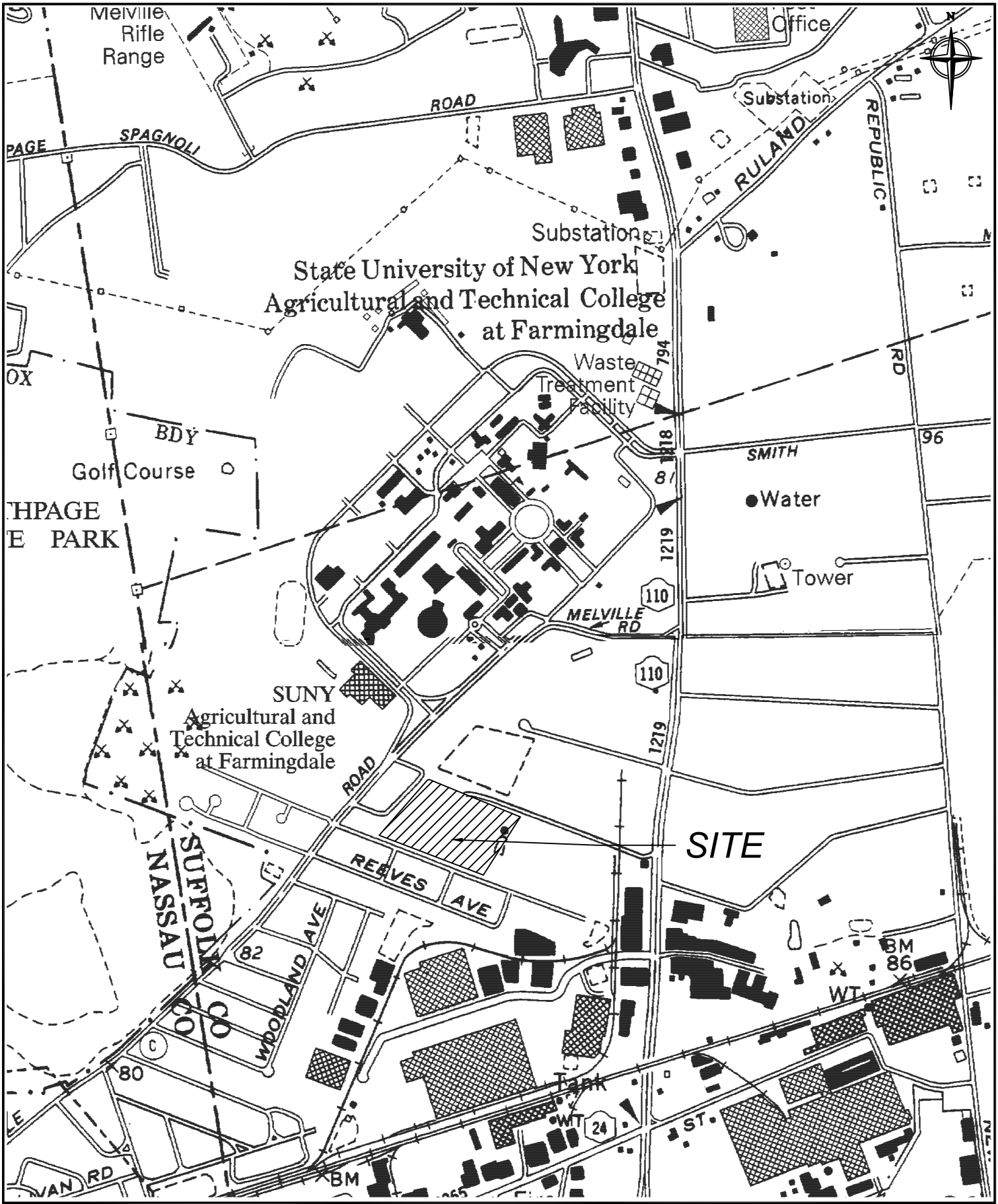
Maintenance will be performed on an as-needed basis based on annual inspections.

The HVAC system was inspected and pressure tested on June 29, 2022 by Chris Channing, PE. Results of the testing indicated that the HVAC system is running as designed and producing positive pressure in the building (Appendix C).

6.0 CONCLUSIONS AND RECOMMENDATIONS

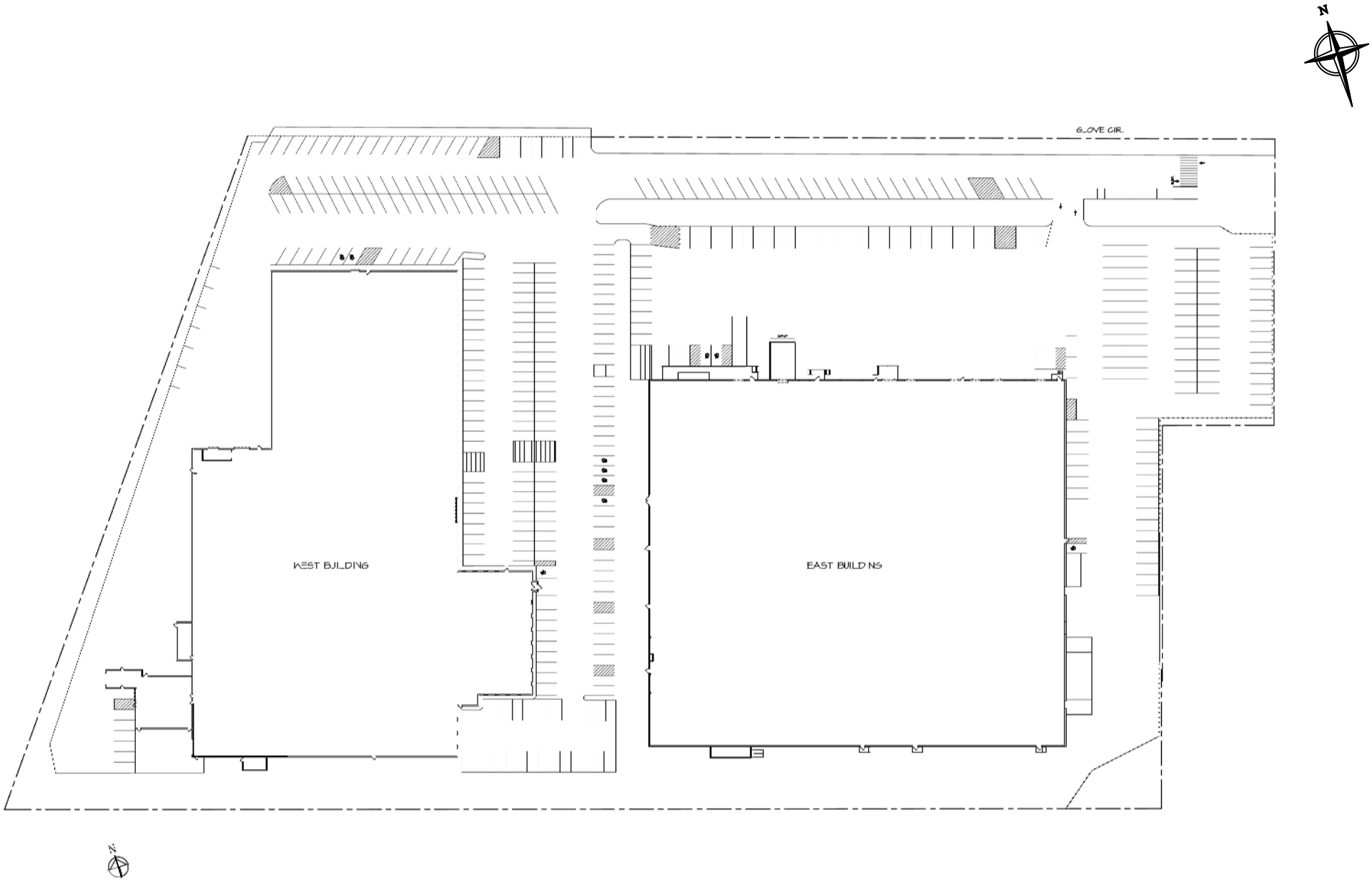
During the reporting period, the Site ECs were determined to be operating as required by the ROD. No modifications to the ECs are required at this time.

FIGURES



PREPARED BY:	TITLE:			
TYLL ENGINEERING & CONSULTING PC 169 Commack Road, Suite H173, Commack, NY 11725 PHONE: (631) 629-5373 info@tyllengineering.com	**SITE LOCATION MAP** 1966E Broadhollow Road East Farmingdale, New York			

DRAWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	9-15-2021	CW2101
CHECKED:	**APPROVED:**	**REVISION:**	**NOTES:**
KT	KT	-	-
FIGURE NO.:	1		



PREPARED BY:

TYLL ENGINEERING & CONSULTING PC
169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 Info@tyllengineering.com

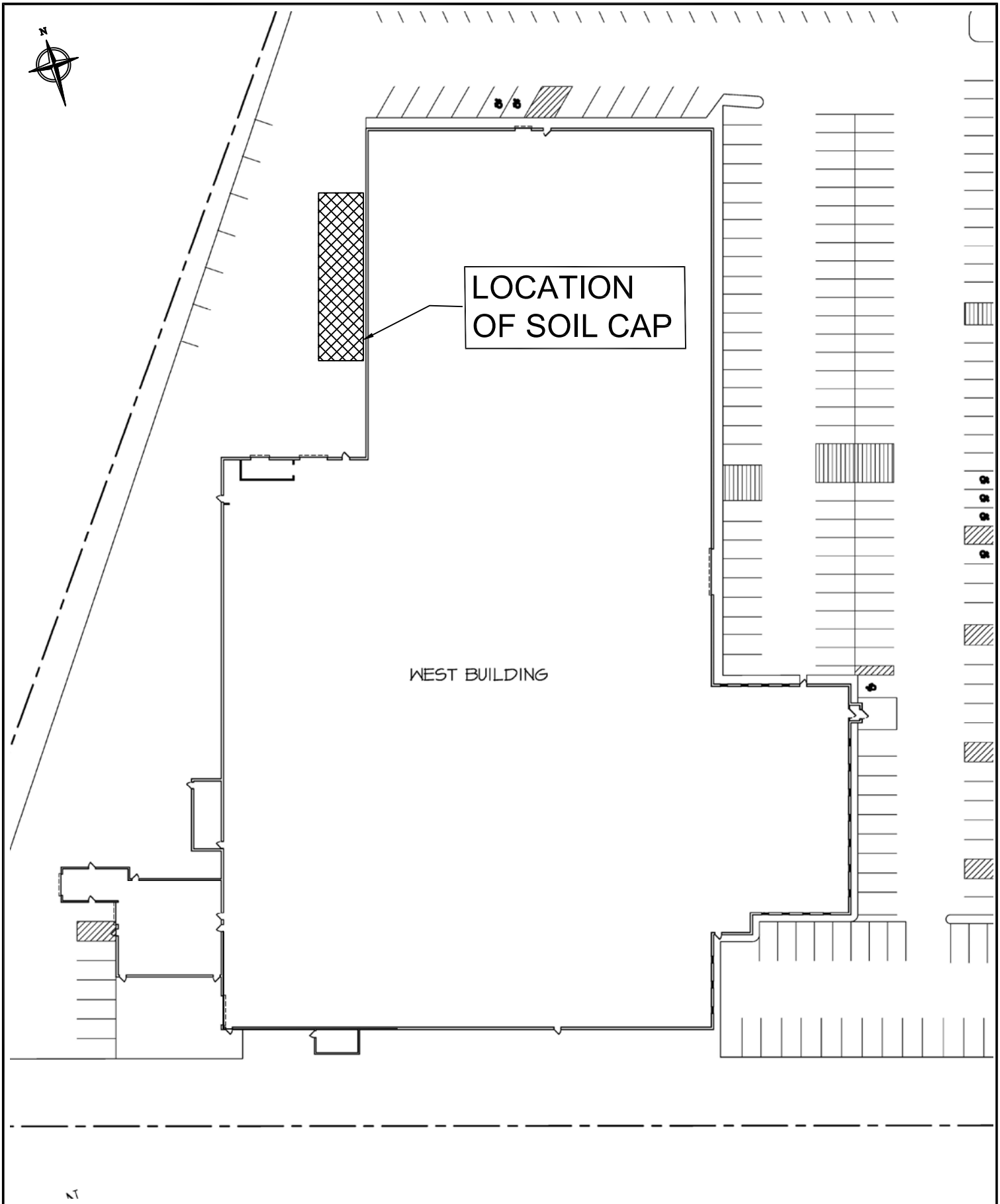
TITLE:

SITE LAYOUT MAP

CURTISS-WRIGHT TARGET ROCK
FARMINGDALE, NY

DRAWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	9-15-2021	CW2101
CHECKED:	APPROVED:	REVISION:	NOTES:
KT	KT	-	-

FIGURE NO.: 2



KT

PREPARED BY:	TITLE:				
TYLL ENGINEERING & CONSULTING PC 169 Commack Road, Suite H173, Commack, NY 11725 PHONE: (631) 629-5373 Info@tyllengineering.com	**WEST BUILDING** CURTISS-WRIGHT TARGET ROCK FARMINGDALE, NY	DWN: -	SCALE: NTS	DATE: 9-15-2021	PROJECT NO.: CW2101
		CHKD: KT	APPD: KT	REV.: -	NOTES: -
		FIGURE NO.: 3			

Appendix A

Site-wide Inspection Form

Appendix F

ANNUAL SITE-WIDE INSPECTION FORM

Note: This document will be used to complete the annual certification of the Engineering Control (EC) at the site. The completed site inspection form will be provided in any Periodic Review Reports (PRR).

I. Background Site Information

A. Facility Name and Location:

Business Name: ***Curtiss-Wright Corporation***

Name of the current operator at the site (if different than above):

Property Street Address: ***1966 E Broadhollow Road***

Municipality (-ies): ***East Farmingdale*** County (-ies): ***Suffolk***

State: ***New York***

Blocks: ***Section 17 Block 14***

Lots: ***11 and 12***

Year of Tax map from which this information is obtained:

B. Person responsible for submitting the biennial certification monitoring report for a Deed Notice & Engineering Control (Self Explanatory)

Person's Name: Thomas Gianni
Person's Title: Senior Manager Facilities & Safety
Business Name: Curtiss-Wright Corporation
Relationship to the Site (check as appropriate): ***Owner and Operator***

Street Address: ***1966 E Broadhollow Road***
City: ***East Farmingdale*** State: ***New York***
Telephone Number: (631) 396-4414
FAX Number: .
E-mail Address: Tgianni@curtisswright.com

C. Case Specific Information (Complete all that apply)

- Program Interest Name: ***Curtiss-Wright Corporation***
- Site #: ***152119***
- Order of Consent #: ***W1-1031-04-10***
- Date of Record of Decision (ROD) for No Further Action for the site: 31 March 2011

- Name and Bureau of assigned Case Manager: Robert Corcoran, Division of Environmental Remediation

D. Existing Site Conditions (Complete below or include as Attachment 1: Existing Site Conditions)

- Describe the physical characteristics of the Site:
  The site is approximately 11 acres, located in the south-west corner of a commercial/industrial area off of Broad Hollow Road. The site is bounded to the north and east by large, widely-spaced commercial buildings and parking lots; to the south by a residential neighborhood, the closest street being Alexander Avenue; and to the west by an apartment building on Melville Road. Across Melville Road lies the SUNY Farmingdale campus. Site elevation ranges from 73 feet to 67 feet above sea level. The site is relatively flat, gradually sloping downward to the east and southeast. Because the site is part of a former sand and gravel mine, a sharp rise in elevation, approximately 30 feet, occurs at the southern and western property boundaries. Bedrock is approximately 1200 feet below sea level. Soils around the site consist of minor amounts of fill, sand and gravel in the medium to fine range, getting finer with depth.

- Describe the current site operations: ***Curtiss-Wright manufactures valves for nuclear submarine power operations. These valves are manufactured and tested at the site.***

- Describe each engineering control that applies to the Restricted Areas: ***The remaining on-site soil contamination is fill is capped with asphalt. The majority of the site is capped with asphalt or concrete slab foundations.***

II. Protectiveness Evaluation

A. Evaluation of Institutional and Engineering Controls
(The appropriate box on the left must be checked for each of the following items.)

1. Zoning or Land Use Change (Complete below or include as Attachment 3: Zoning or Land-Use Changes)

a. Has the land use changed? Yes _____ No X _

b. Current land use (check all that apply):
Non-Residential X Residential _____ Agricultural _____ Other _____

If the current land use is different than the land use at the time the EC/IC was filed, explain how the remedial action, which included the EC/IC, remains protective of public health and safety. Include the Case Manager's name and Bureau that approved this change, if applicable.

c. Has there been an actual or pending zoning or land-use change for the Restricted Area on which the Deed Notice/DER is filed?

Yes ____ No X

2. **Inspections (Complete below or include as Attachment 4: Inspections: Excavations and Disturbances)**

Have periodic inspections of the site identified any excavation or other disturbance activities that have taken place within the restricted areas?

Yes____No X (If Yes, please describe below)

Date(s) of Disturbance:
Duration of Disturbance: Years ____ Months ____ Days ____
Date the NYSDEC was called to report disturbance:

Description of the disturbance and methods to address the disturbance:

Name of Contact Person Relative to the Disturbance:
Title:
Street Address:
City: State: Zip Code:
Telephone Number:
Email Address:

Was all soil excavated and returned to the Restricted Area?

Yes____No_____ (If No, provide an explanation)

Quantity of soil generated for disposal (if applicable):
Attach Transportation/disposal documentation.

State precautions taken during the above activities to prevent contaminant exposure:

Provide an explanation of how the engineering control was replaced following the disturbance?

3. Changes to Laws and Regulations (Complete below or include as Attachment 5: Changes to Laws and Regulations)

a. Are there any subsequently promulgated or modified environmental laws or regulations (see Table 1), which apply to the site?

Yes ____ No X (If No, proceed to #4 below)

b. If Yes, has the evaluation also determined that each EC/IC, as applicable, meets the requirements of the new laws and regulations?

Yes____ No_____ (If Yes, proceed to #4 below)

c. Each EC/IC, as applicable that did not meet the requirements of the new laws and regulations has been addressed in the following manner to bring them into compliance:

4. Detailed Maintenance Logs (Complete below or include as Attachment 6: Detailed Inspection and Maintenance Logs)

Attach a copy of the detailed maintenance log of how the persons responsible for monitoring and ensuring the protectiveness of the remedial action have maintained and evaluated the EC:

The detailed maintenance log must be:

i. completed each time a site inspection is performed to evaluate ECs at the site and

ii. a copy of the detailed maintenance log attached to this certification in addition to the following information:

Date(s) of all Inspections: 1/6/2022 & 5/13/2022
Name(s) of Inspectors: Karen Tyll, PE

Inspection was completed on each date above at the location of the Asphalt UST Cap on the western side of the building. The asphalt cap was inspected for cracks, holes, and gaps.

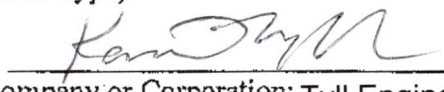
III. Certifications

A. Certification, Copying and Reporting

Semi-annual certification monitoring inspection forms will be included in all PRRs. These forms will be available to the NYSDEC case manager upon request.

B. Person Responsible for the Annual Certification Monitoring Inspections:

Based upon all of the information that I have provided above, I hereby certify that the remedial action(s) for which this EC/IC was established remain protective of public health and safety and of the environment.

Name (print or Type): Karen Tyll, PE, Environmental Consultant
Title:
Signature: 
Name of Company or Corporation: Tyll Engineering and Consulting, PC

Date: 9/23/2022

Appendix H

Engineering Control (EC) Checklist
Site Name: Target Rock
Location: 1966 Broadhollow Road, East Farmingdale, Suffolk County, NY
Site No.: 1966E
Case Manager: Robert Corcoran
The SMP for the aforementioned site includes at a minimum an Institutional Control (IC) and EC as well as provision for the periodic certification of the IC and EC and includes a Site Monitoring Plan. Each of these individual areas of reporting will need to meet the minimum requirements detailed below.

The SMP for the site addresses:
X The entire site BUILDING HVAC AND ASPHALT UST CAP
☐ An operable unit of the site identified as:_____
☐ An IRM for operable unit ___ identified as_____
☐ A groundwater restriction and IC/EC for the site

A Periodic Report Review (PRR) will be submitted following sampling events.

Institutional Control and Engineering Control (IC/EC) Certification: The applicant or site owner must make a periodic certification of the IC/EC to the Department. The requirements of this periodic IC/EC certification will be described in the SMP and the certification must be included in the PRR, which is prepared and submitted for the Department-approved certification period. The IC/EC certification will clearly identify the periodic review period and certify that:
X The institutional controls and/or engineering controls employed at such site are:

unchanged from the date the control was put in place, unless otherwise approved by the Department;
in place and effective;
performing as designed;
nothing has occurred that would impair the ability of the controls to protect the public health and environment; and
nothing has occurred that constitutes a violation or failure to comply with any operation and maintenance plan for such controls.

X Use of the site complies with the environmental easement;
X Access to the site will be provided to the Department to evaluate the remedy and verify continued maintenance of such controls.
X If a financial assurance mechanism is required, the mechanism remains valid and sufficient for the intended purpose.
If the remedy requires only institutional controls, the certification may be made by the property owner. If the remedy includes engineering controls, the certification must be made by a qualified environmental professional or, if engineering evaluations are required, a licensed professional engineer.

Appendix B

Certification Forms

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. 152119

Site Name Target Rock Corp.

Site Address: 1966 East Broadhollow Road Zip Code: 11735
City/Town: East Farmingdale
County: Suffolk
Site Acreage: 10.940

Reporting Period: August 29, 2021 to August 29, 2022

	YES	NO
1. Is the information above correct?	X	☐
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

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

SITE NO. 152119 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
0100031000100002002	Target Rock Corp.	Soil Management Plan Landuse Restriction Building Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan Ground Water Use Restriction

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns must be met.

All ECs must be operated and maintained as specified in the SMP.

All ECs on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.

Operation of the HVAC system in the West Building must be performed as defined in the SMP.

Data and information pertinent to site management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP.

The property may only be used for commercial, industrial, or restricted residential use provided that the long-term Engineering and Institutional Controls included in the SMP are employed.

The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.

Vegetable gardens and farming on the property are prohibited.

0100031000100002003	Target Rock Corp.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Building Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns must be met.

All ECs must be operated and maintained as specified in the SMP.

All ECs on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.

Operation of the HVAC system in the West Building must be performed as defined in the SMP.

Data and information pertinent to site management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP.

The property may only be used for commercial, industrial, or restricted residential use provided that the long-term Engineering and Institutional Controls included in the SMP are employed.

The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.

Vegetable gardens and farming on the property are prohibited.

0100031000100002004 TARGET ROCK CORP

O&M Plan
IC/EC Plan
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan

Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns must be met.

All ECs must be operated and maintained as specified in the SMP.

All ECs on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.

Operation of the HVAC system in the West Building must be performed as defined in the SMP.

Data and information pertinent to site management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP.

The property may only be used for commercial, industrial, or restricted residential use provided that the long-term Engineering and Institutional Controls included in the SMP are employed.

The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.

Vegetable gardens and farming on the property are prohibited.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
0100031000100002002	Vapor Mitigation Cover System

Localized residual contamination remains beneath the former UST area, located in the northwest section of the site. This residual contamination in the former UST area is present at a depth of 12 to 15 feet below grade. This area is overlain by an asphalt cap system thus eliminating any potential for exposure. This cap system consists of the asphalt pavement, gravel sub-base and on-site soils. Procedures for the inspection and maintenance of this cap are provided in the Monitoring Plan included in Section 4 of the SMP.

The HVAC system keeps the building under positive pressure. Operation of the HVAC, in conjunction with the building's competent concrete floor slab, mitigates the potential for indoor air to be contaminated from sub-slab vapor intrusion. Accordingly, continued operation and maintenance of the building HVAC system will be necessary until such time that residual VOCs in the subsurface are no longer present at a level that may cause an exceedance of the NYSDOH air quality criteria in the building.

0100031000100002003

Parcel	Engineering Control
	Vapor Mitigation Cover System

Localized residual contamination remains beneath the former UST area, located in the northwest section of the site. This residual contamination in the former UST area is present at a depth of 12 to 15 feet below grade. This area is overlain by an asphalt cap system thus eliminating any potential for exposure. This cap system consists of the asphalt pavement, gravel sub-base and on-site soils. Procedures for the inspection and maintenance of this cap are provided in the Monitoring Plan included in Section 4 of the SMP.

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0100031000100002004

Vapor Mitigation
Cover System

Localized residual contamination remains beneath the former UST area, located in the northwest section of the site. This residual contamination in the former UST area is present at a depth of 12 to 15 feet below grade. This area is overlain by an asphalt cap system thus eliminating any potential for exposure. This cap system consists of the asphalt pavement, gravel sub-base and on-site soils. Procedures for the inspection and maintenance of this cap are provided in the Monitoring Plan included in Section 4 of the SMP.

The HVAC system keeps the building under positive pressure. Operation of the HVAC, in conjunction with the building's competent concrete floor slab, mitigates the potential for indoor air to be contaminated from sub-slab vapor intrusion. Accordingly, continued operation and maintenance of the building HVAC system will be necessary until such time that residual VOCs in the subsurface are no longer present at a level that may cause an exceedance of the NYSDOH air quality criteria in the building.

Box 5

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 Engineering Control 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 compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The 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
X	☐

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. 152119

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 Thomas Gianni (print name) at 1966 E Broadhollow Road East Farmingdale, NY 11735 (print business address),

am certifying as 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 — Date: 9/22/22

Rendering Certification Facility and Safety Manager

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional 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 Karen Tyll, PE (print name) at 169 Commack Road, Suite H173 Commack, NY 11725 (print business address),

am certifying as a Qualified Environmental Professional for the Owner (Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		9/23/22

Appendix C

HVAC Pressure Investigation

6/29/22

Curtis Wright Corp.
Target Rock Div.
West building
1966E Broadhollow Rd
Farmingdale, N.Y. 11735

HVAC INSPECTION

Survey Of Building Space Pressure Conditions

C. P. Channing P.E.
6/29/22

C.P. CHANNING P.E.
132 Pine st.
Center Moriches, NY. 11940
CPCHANNING@optonline.net
Cell (516) 381-8032

Project location:

Curtis Wright Corp
Target Rock
West building
1966E Broadhollow Rd
Farmingdale, N.Y 11735

Task Description: Measure pressure relationships between the inside of the building and outside to verify the building is under positive pressure.

Objective: Confirm pressure relationship between inside of building and outside

Test methodology: Differential pressure between inside and outside was measures at 7 locations at three intervals during the course of a day. Locations of inside reading are indicated on attached drawing. Readings were taken on June 29 2022.
Measurements were taken with a Fluke model 922 differential digital manometer with +/- 1% accuracy and measured in inch of water column.

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Data :
6/29/22
All readings show positive pressurization and are in inches of water column.

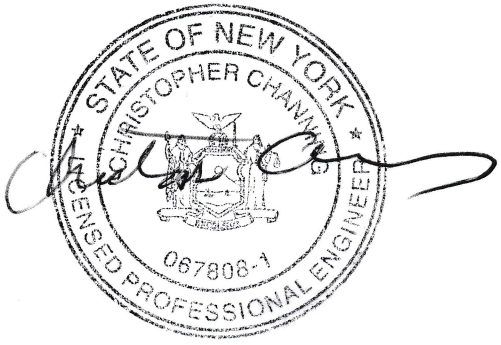
Location	9AM Reading	12Noon Reading	2PM reading
SS-1	.023.	.023.	.022
SS-2.	.013	.014.	.014
SS-3	.018.	.017.	.017
SS-4.	.016.	.018.	.018
SS-5.	.016.	.017.	.017
SS-6.	.017.	.016.	.016
Lobby.	.017.	.017.	.018

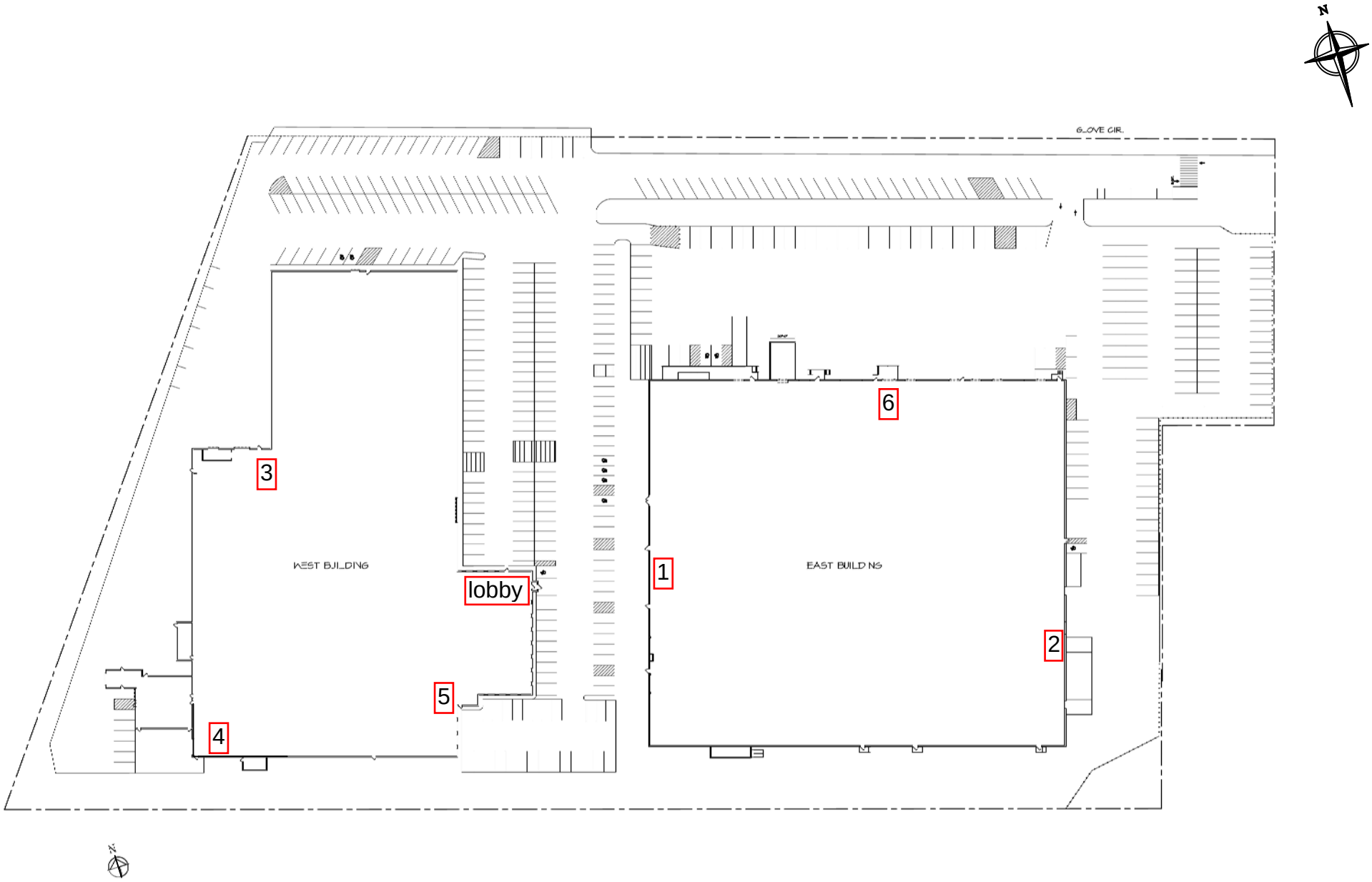
.

Conclusion:
Space pressure in relation to outside was at positive pressure at all location and intervals

x

Chris Channing P.E.





PREPARED BY:

TYLL ENGINEERING & CONSULTING PC
169 Commack Road, Suite H173, Commack, NY 11725
PHONE: (631) 629-5373 Info@tyllengineering.com

TITLE:

SITE LAYOUT MAP

CURTISS-WRIGHT TARGET ROCK
FARMINGDALE, NY

DRAWN:	SCALE:	DATE:	PROJECT NO.:
-	NTS	9-15-2021	CW2101
CHECKED:	APPROVED:	REVISION:	NOTES:
KT	KT	-	-

FIGURE NO.: 2

Appendix D

Site Photos

Inspection Photos

January 6, 2022

INSPECTION JANUARY 6, 2022

INSPECTION JANUARY 6, 2022

Inspection Photos

May 13 2022

INSPECTION MAY 13, 2022