



March 27, 2024

Stephanie Fitzgerald  
Environmental Engineer  
Div. of Remediation  
NYSDEC Region 7  
615 Erie Blvd. West, Syracuse, NY 13204-2400

Re: Annual Landfill Inspection Report (Year 20)  
Syracuse China Landfill  
Town of Salina, Onondaga County, New York  
NYSDEC Site Number 7-34-053

Dear Ms. Fitzgerald:

Rocterra, LLC (Rocterra), on behalf of TPC-York Inc. (TPC-York), has prepared this letter report to summarize the required monitoring and maintenance activities completed at the Syracuse China Landfill site located in the Town of Salina, Onondaga County, New York (Site No. 7-34-053). In accordance with New York State Department of Environmental Conservation (NYSDEC) requirements, activities for the twentieth year of Operation, Monitoring and Maintenance (OM&M) were performed at the site. In accordance with the OM&M Plan prepared by Remedial Engineering, PC dated September 25, 2003 and the schedule approved by NYSDEC, the following activities were performed:

- Inspection of key site features including the landfill surface, vegetation, fence, access road and drainage features such as rip rap swales and energy dissipaters; and
- Maintenance activities.

Supporting figures and documentation are included at the end of this report.

### **LANDFILL MONITORING**

Rocterra conducted an inspection of the landfill and surrounding site areas on October 25, 2023 and November, 27 2023. Rocterra personnel inspected site vegetation, the landfill cap surface and the northern wetlands for any signs of erosion or significant settlement. Rocterra also inspected the swales, drop chute, energy dissipation structures, monitoring wells MW-2, MW-5, MW-6, MW-8 and MW-10, permanent landfill gas vents GV-1 through GV-7, fencing, access road and Syracuse China signs for

erosion, blockage or other damage. The results of Rocterra's inspection activities are summarized in the Site Monitoring, Inspection and Maintenance Forms, provided as Appendix A. Photographs showing the condition of key site features are provided as Appendix B. A site plan showing key site features is provided as Figure 3.

Rocterra's inspection indicated that the site was generally in good condition with no significant erosion or differential settlement at or around the landfill. The landfill surface was observed to be entirely stabilized with vegetation. The landfill drainage swales, drop chute and energy dissipation structures were observed to be in good condition, however, portions of the swales have become congested with vegetation. The permanent gas vents were also observed to be in good condition. The former trolley berm was observed to be generally clear of vegetation; rutting was observed due to wet conditions. The site fence was observed to be in good condition. Vegetation overgrowth was observed periodically along the east, south and west fence line. Vegetation was cleared to ensure the signs on the fence within the Factory Avenue right-of-way were unobstructed.

## **MAINTENANCE ACTIVITIES PERFORMED**

### ***Herbicide Application***

Portions of the swales have become congested with vegetation. Treatment with a widely used aquatic herbicide Rodeo was completed on October 25, 2023. Additional treatments will occur and are discussed further below.

### ***Mowing and Weed-Whacking***

Annual mowing and weed-whacking activities were completed by Commerical Lawn and Landscape, Inc. on October 30 and 31, 2023. Mowing was conducted on the landfill surface, within the eastern portion of the site (outside of wetland areas) and along the access road. Mowing and weed-whacking were conducted within the landfill surface swales to remove woody growth. Photographs documenting the landscaping activities are included within Appendix B.

## **PROPOSED YEAR 21 (2024) OM&M AND MAINTENANCE ACTIVITIES**

### ***Herbicide Application***

Portions of the swales have become congested with vegetation. Treatment with a widely used aquatic herbicide Rodeo is proposed for Spring 2024.

### ***Mowing and Weed-Whacking***

In accordance with the OM&M Plan, the landfill will require annual mowing and weed-whacking in fall 2024 to prevent woody vegetation growth on the landfill cap and within the drainage swales. Landscape maintenance activities are scheduled for September of 2024 to avoid potential weather-related delays.

### ***Annual Landfill Inspection***

In accordance with the OM&M Plan, an inspection of the landfill is proposed for Year 21 of OM&M. The annual inspection is scheduled for September 2024.

## **SAMPLING EVENTS**

### ***Groundwater Monitoring***

TPC-York was granted approval via email correspondence dated November 20, 2015 to amend the groundwater sampling period to every five years. The next sampling event is scheduled to be performed in September 2024.

## **COMMENTS**

### ***Fencing***

Portions of the control fencing were either replaced or modified in 2023. A revised summary letter was submitted to the Department on March 22, 2024. A detailed summary, photographs and figure are included within Appendix C.

### ***Animal Dens/Burrows***

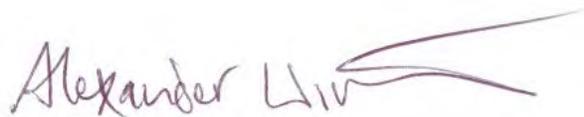
One animal burrow was observed during the 2023 inspection. This area will be monitored for any differential settlement or erosion during the 2024 inspections.

### ***Periodic Review Report***

The last Periodic Review Report (PRR) was completed in March 2022. The Department approved a request to amend the PRR schedule to a five-year frequency in an email dated March 21, 2014. The site is not currently active and site maintenance/activities are limited to the items reported above. The institutional controls identified in the most recent 2022 PRR/Declaration of Covenants and Restrictions (groundwater use restrictions, soil management and site management) remain in place. The next PRR submission is scheduled to be submitted in March 2027.

Please call the undersigned with any questions regarding this report.

<b>Attachments:</b>	<b>Figure 1:</b>	Site Location Map
	<b>Figure 2:</b>	Site Plan
	<b>Figure 3:</b>	Site Feature Location Plan
	<b>Appendix A:</b>	Site Monitoring, Inspection and Maintenance Forms
	<b>Appendix B:</b>	Photographs
	<b>Appendix C:</b>	Supporting Documents



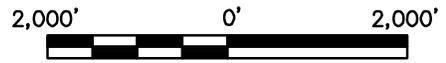
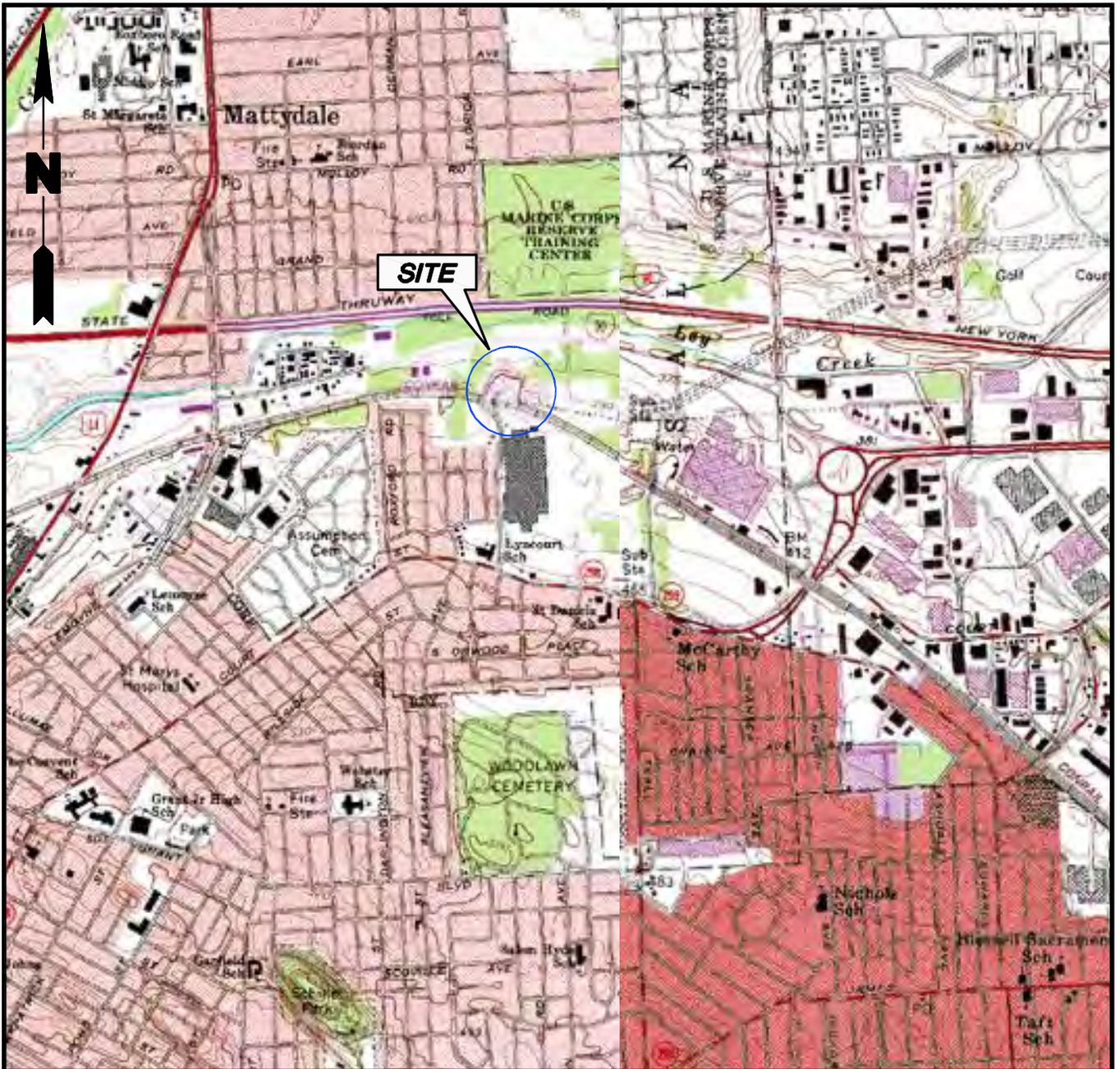
March 27, 2024

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Alexander Wirth  
Principal, Senior Geologist

Date

## FIGURES



Title:  
**SITE LOCATION MAP**  
 SYRACUSE CHINA LANDFILL  
 TOWN OF SALINA, ONONDAGA COUNTY, NEW YORK

Prepared For:  
 PFALTZGRAFF CO.

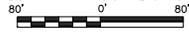
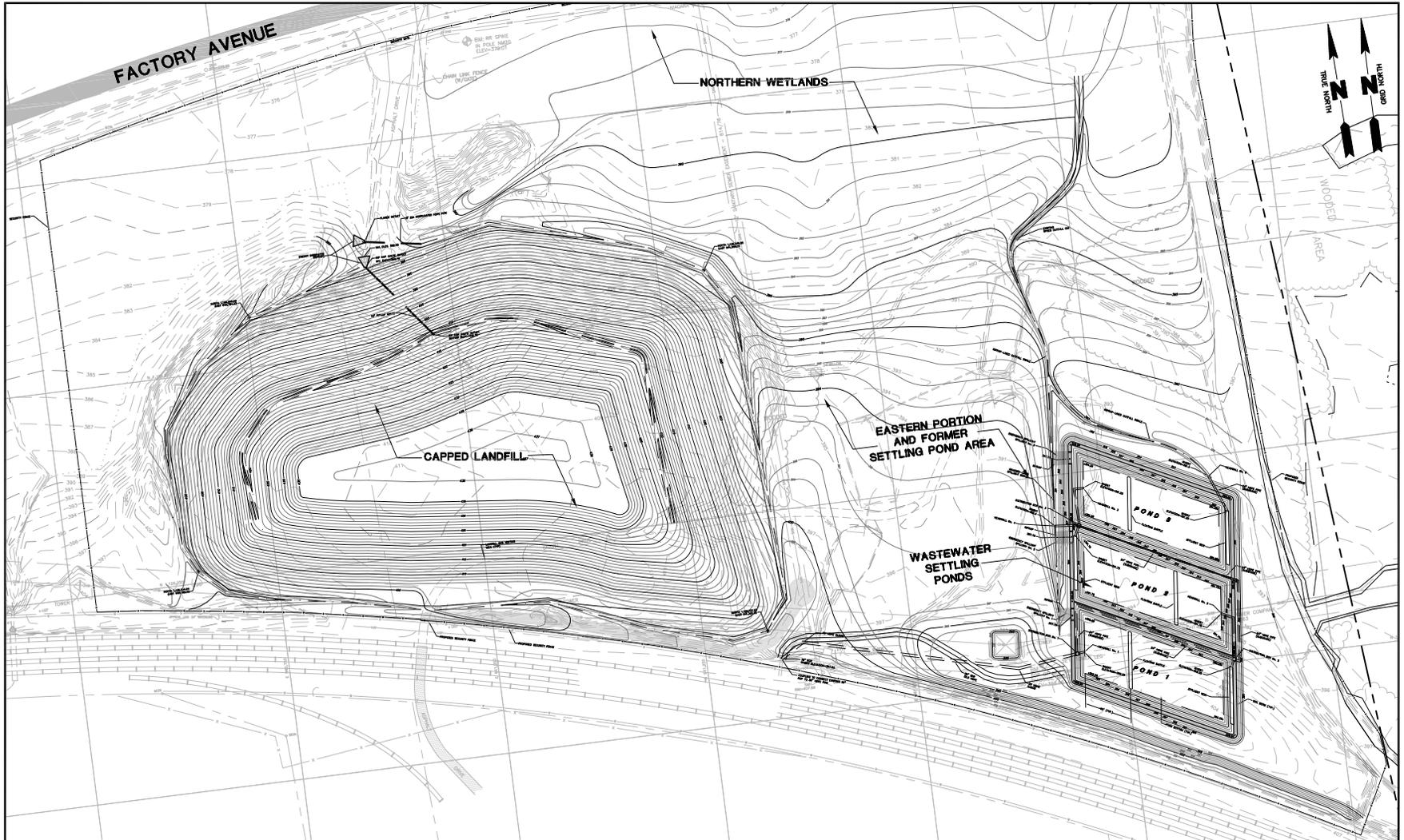
**SOURCE**

U.S.G.S. SYRACUSE EAST AND WEST, NEW YORK QUADRANGLES  
 7.5 MINUTES SERIES (TOPOGRAPHIC)



Site Location Map

FIGURE  
**1**



**LEGEND**

---	EXISTING PROPERTY LINE	---	DESIGN DOWN CHUTE
- - -	APPROXIMATE LANDFILL LIMIT	=====	FENCE
---	EXISTING EASEMENT	○ RIM=397.41	EXISTING MANHOLE RIM ELEVATION
---	DESIGN 1 FOOT CONTOUR	---	EXISTING UTILITY POLE WITH OVERHEAD WIRES
---	DESIGN 5 FOOT CONTOUR	○ UGT	EXISTING UNDERGROUND TELEPHONE CABLE MARKER
x438	DESIGN SPOT ELEVATION	○ GM	EXISTING GAS MARKER
---	PRE-EXISTING 1 FOOT CONTOUR	○ 15" PVC	EXISTING POLYVINYL CHLORIDE CHLORIDE PIPE WITH DIAMETER
---	PRE-EXISTING 5 FOOT CONTOUR	○ MON	EXISTING SURVEY MONUMENT SET 3-B-1990 CAPPED IRON ROD SET IN CONCRETE
---	EXISTING RAILROAD TRACKS	○ 58R1	EXISTING SANITARY SEWER MANHOLE
---	EXISTING OVERHEAD ELECTRICAL TRANSMISSION WIRES	○ INV=-32'	EXISTING PIPE INVERT ELEVATION
---	EXISTING SUBSURFACE SANITARY SEWER WATERLINE	○ 30" CMP	EXISTING CORRUGATED METAL PIPE WITH DIAMETER
---	EXISTING APPROXIMATE LOCATION 24" WATERLINE		
---	EXISTING GAS LINE LOCATION		
---	EXISTING UNDERGROUND TELEPHONE LINE (FIBER OPTIC) LOCATION		

**NOTES**

- 1.) BASE MAP INFORMATION BASED ON PLAN ENTITLED: "MAP OF PARTIAL BOUNDARY & TOPOGRAPHIC SURVEY", PARCEL OF LAND, PART OF MILITARY LOT 19, TOWN OF SALINA, JANUARY 20, 1998, SCALE 1" = 50', PROJECT 90006, PREPARED BY RYAN SURVEY, PORTER BUILDING, NORTHERN LIGHTS OFFICE PARK, SYRACUSE, NY 13220-3225.
- 2.) BASIS OF BEARINGS: TRUE NORTH, BASED ON CONTROL ESTABLISHED BY N.Y.S.D.O.T.
- 3.) NORTH & EAST COORDINATES AND BEARINGS IN PARENTHESIS ( ) ARE REFERENCED TO THE CENTRAL ZONE OF THE NEW YORK STATE COORDINATE SYSTEM AS ESTABLISHED BY DIFFERENTIAL GPS METHODS.
- 4.) ELEVATION DATUM IS MEAN SEA LEVEL, BASED ON CONTROL ESTABLISHED BY U.S.G.S. (NGVD 29).
- 5.) PLAN BASED ON DESIGN DRAWINGS, AS-BUILT DRAWINGS NOT AVAILABLE. ACTUAL SITE FEATURES AND ELEVATIONS WILL VARY.

Title: **Site Plan**

TOWN OF SALINA, ONONDAGA COUNTY, NEW YORK

Prepared For: **THE PFALTZGRAFF CO.**



FIGURE **2**



Google Earth Pro



Groundwater Monitoring Well Map

Figure

3

## APPENDIX A

Table 1  
MONITORING WELL GAUGING, GROUNDWATER ANALYTICAL AND MONITORING DATA

Annual Landfill Inspection Report  
Syracuse China Landfill  
Town of Salina, Onondaga County, New York  
NYSDEC Site Number 7-34-053

Sample ID	Date	Sample Time	Depth to Water (Feet)	Depth to Bottom (Feet)	Top of Casing Elevation (Feet, Mean Sea Level)	Corrected Groundwater Elevation (Feet, Mean Sea Level)	Lead (mg/l)	Conductivity (mS/cm)	Dissolved Oxygen (PPM)	pH	Temperature (Celsius)	Turbidity (NTU's)
NYSDEC Standards												
							0.025					
MW-1	11/7/2012	14:30	21.78	25.3	400.8	379.02	<0.010	0.95	6.55	7.16	11.4	13.2
	9/11/2013	15:30	19.84	25.3	400.8	380.96	<0.010	1.01	6.99	7.10	15.3	11.0
	12/31/2014	14:30	20.77	25.3	400.8	380.03	<0.010	0.98	6.54	7.11	12.2	9.8
Abandoned												
MW-2	11/7/2012	14:00	5.32	13.3	391.2	385.88	<0.010	1.04	2.01	7.30	12.3	2.89
	9/11/2013	15:00	5.23	13.3	391.2	385.97	<0.010	1.00	2.57	7.20	14.6	3.33
	12/31/2014	14:00	5.28	13.3	391.2	385.92	<0.010	1.11	2.32	7.25	13.8	3.01
	12/12/2019	12:15	3.55	13.3	391.2	387.65	<0.010	1.20	1.09	7.36	8.4	9.78
MW-5	11/7/2012	15:30	5.13	13.4	387.4	382.27	<0.010	1.11	5.65	7.33	10.1	7.21
	9/11/2013	16:00	4.64	13.4	387.4	382.76	<0.010	1.21	6.11	7.21	12.3	5.03
	12/31/2014	15:00	4.84	13.4	387.4	382.56	<0.010	1.17	6.77	7.22	11.8	4.99
	12/12/2019	13:00	3.86	13.4	387.4	383.54	<0.010	1.20	1.99	7.18	8.1	8.99
MW-6	11/7/2012	13:00	4.73	17.0	411.3	406.57	<0.010	0.69	4.62	7.42	12.0	13.1
	9/11/2013	14:00	4.15	17.0	411.3	407.15	<0.010	0.88	4.89	7.32	13.3	10.01
	12/31/2014	13:00	4.44	17.0	411.3	406.86	<0.010	0.77	4.92	7.44	12.8	9.98
	12/12/2019	11:30	3.50	17.0	411.3	407.80	<0.010	0.76	1.99	7.00	9.6	9.88
MW-8	11/7/2012	17:00	7.15	23.0	388.7*	381.55	<0.010	3.07	2.24	6.88	9.0	9.67
	9/11/2013	17:30	4.43	23.0	388.7	384.27	<0.010	2.99	2.84	6.99	11.1	9.77
	12/31/2014	16:30	6.63	23.0	388.7	382.07	<0.010	3.02	2.64	6.89	10.4	8.88
	12/12/2019	14:30	3.49	23.0	388.7	385.21	<0.010	2.95	0.44	7.05	8.0	9.99
MW-10	11/7/2012	16:30	3.30	17.0	379.1	375.80	<0.010	2.84	2.49	6.84	11.1	14.2
	9/11/2013	17:00	3.28	17.0	379.1	375.82	<0.010	3.01	2.89	7.01	13.3	12.1
	12/31/2014	16:00	3.33	17.0	379.1	375.77	<0.010	2.98	2.66	6.89	12.2	10.11
	12/12/2019	13:45	2.86	17.0	379.1	376.24	<0.010	2.79	0.36	7.08	7.3	10.45

Notes:  
 \*19 - Not detected at or above the laboratory reporting limit shown.  
 NYSDEC Standards and Guidance Values - New York State Department of Environmental Conservation Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values, June 1998 and Addendum April 2000  
 \* Revised elevation datum. Original TOC elevation= 387.9'

**Table 2  
INSPECTION AND MAINTENANCE FORM**

Annual Landfill Inspection Report  
Syracuse China Landfill  
Town of Salina, Onondaga County, New York  
NYSDEC Site Number 7-34-053

<b>Item</b>	<b>Action</b>	<b>Notes</b>	<b>Corrective Action Suggested</b>
<b>MW-1</b>	Inspect for damage	Damaged/destroyed	Abandoned November 2, 2016
<b>MW-2</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>MW-5</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>MW-6</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>MW-8</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>MW-10</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>GV-1</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>GV-2</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>GV-3</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>GV-4</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>GV-5</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>GV-6</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>GV-7</b>	Inspect for damage	NA	Annual inspection scheduled for September 2024
<b>Landfill Cap</b>	Inspect vegetation, inspect for erosion, inspect for significant/differential settling, mowing	One animal burrow was noted, location noted on Figure 3 and photo included in Appendix B	Monitor animal burrow area for any differential settlement or significant erosion, landscaping/mowing scheduled for September 2024
<b>Northern Wetland</b>	Inspect vegetation	NA	Annual inspection scheduled for September 2024
<b>Swales</b>	Inspect for damage/blockage, weed wacking	Swales have significant vegetation	Herbicide application Spring 2024
<b>Drop Chute</b>	Inspect for damage/blockage, weed wacking	NA	Landscaping/weedwacking/herbicide scheduled for 2024
<b>Former Trolley Berm (via Factory Ave)</b>	Inspect for erosion, rutting, mowing	Low spot in southeast corner restricts access to the landfill by vehicle at times due to flooding/wet soils	Monitor for any significant erosion
<b>Fence</b>	Inspect integrity, inspect for significant vegetation	NA	Fencing maintenance/repairs were completed in 2023 per the attached summary letter.
<b>Signs</b>	Inspect for vegetation/visual impairment	(2) signs require replacement	Replacement signs will be installed during Spring 2024. Annual inspection scheduled for September 2024

**Notes:**  
NA- Not Applicable

## **APPENDIX B**

# SITE PHOTOS





## **APPENDIX C**



March 22, 2024

Stephanie Fitzgerald  
Environmental Engineer  
Div. of Remediation  
NYSDEC Region 7  
615 Erie Blvd. West, Syracuse, NY 13204-2400

Re: Revised Summary Letter  
Syracuse China Landfill  
Town of Salina, Onondaga County, New York  
NYSDEC Site Number 7-34-053

Dear Ms. Fitzgerald:

Rocterra, LLC (Rocterra), on behalf of TPC-York Inc. (TPC-York), has prepared this revised letter to summarize the repair and maintenance activities and address comments from a March 4, 2024 letter from the Department regarding the Syracuse China Landfill site located in the Town of Salina, Onondaga County, New York (Site No. 7-34-053). In accordance with New York State Department of Environmental Conservation (NYSDEC) requirements, the following activities have been completed:

- Factory Avenue area fencing maintenance.
- Western border new fencing installation.

Supporting figures and documentation are included at the end of this letter.

### **Completed Factory Avenue Fencing Maintenance**

Approximately 150 feet of fencing along the northern border/Factory Avenue had been damaged. The damage appeared to have been caused by a vehicle accident. In 2021, Atlas Fence Inc. was contracted to repair the sections of fencing along Factory Avenue. During utility notification activities, National Grid had concerns with regards to the location of the fence line in relationship to the nearby underground gas line. Rocterra, National Grid and Atlas Fence representatives all met on site on June 9, 2021 to address National Grid's concerns. On June 22, 2021, National Grid determined that a ten-foot buffer would need to be maintained from the underground gas line as-marked.

This would require an offset to the current fence line inward towards the landfill. After a site visit by NYSDEC, it was determined that the proposed offset would be acceptable, and the damaged fencing would need to be removed.

The scope of work included the removal of approximately 194 feet of existing galvanized chain link fencing located along Factory Avenue and the installation of approximately 210 feet of new galvanized chain link fencing. These repair activities were completed in September 2023.

Some sections of fencing were fully submerged/buried and were left in place. An approximately 40-foot section is located approximately 90 feet from the westernmost start of the repair area and it is located between the new fence and Factory Avenue. This section would have required invasive excavation with heavy equipment and a greater level of disturbance than the six-inch estimate within the initial workplan dated February 23, 2023.

A site plan showing key site features is provided as Figure 1.

### **Completed New Fencing Improvements**

A culvert that runs beneath the CSX railroad tracks and exits along the southern border of the Site has lost integrity due to erosion. There are approximately 40 feet of fencing in the vicinity of the culvert in need of repair.

A contractor would need to enter upon the CSX right-of-way to conduct work in this area. Much effort was undertaken to coordinate an access agreement with CSX. Unfortunately, the terms set forth by CSX are unrealistic.

In addition to the culvert area, there is approximately 194 feet of existing galvanized chain link fencing located along Factory Avenue in the northwestern corner of the Site that has lost integrity due to corrosion.

As an alternative approach to replacing both areas in kind, an entirely new section of fencing was installed connecting the southern and northern fence lines. These installation activities were completed in December 2024.

A site plan showing key site features is provided as Figure 1. Photographs of the repair/installation areas are provided as Appendix A.

## Request for Modifications

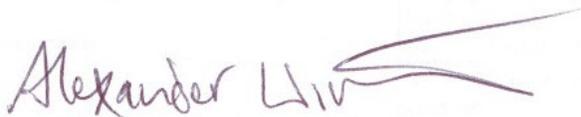
In a letter dated March 4, 2024, the Department requested the following modifications to the February 2, 2024 summary letter prepared by Rocterra:

1. Identify the status of the pre-existing fencing to the west of the newly installed fence.
2. Provide an updated figure that clearly identifies the location of the fencing that is used as a control of the site, the location of any old fencing that remains outside of this controlled area, and the location of the fencing that is buried in place.

In response to these requests a modified figure (Figure 1) has been included with this summary letter identifying the above items. The pre-existing fencing to the west of the newly installed fence remains in place.

Please call the undersigned with any questions regarding this summary.

<b>Attachments:</b>	<b>Figure 1:</b>	Site Feature Map
	<b>Appendix A:</b>	Photographs



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Alexander Wirth  
Principal, Senior Geologist

March 22, 2024  
Date

## FIGURES

Figure 1  
Site Feature Map

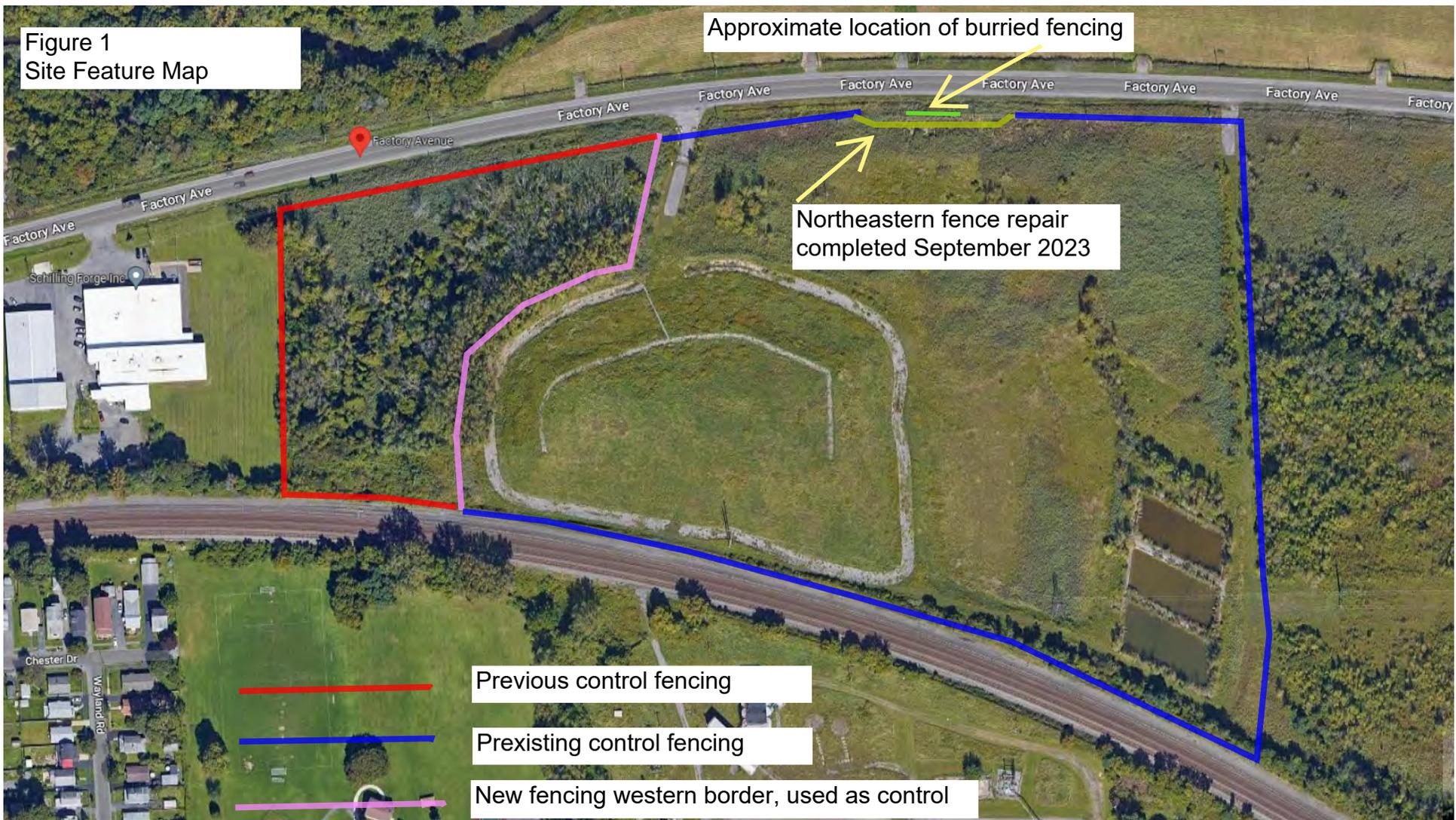
Approximate location of buried fencing

Northeastern fence repair  
completed September 2023

Previous control fencing

Preexisting control fencing

New fencing western border, used as control



## **APPENDIX A**

# Northeastern Fence Repair



# New Fencing Western Border

