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New York State Department of Environmental Conservation

Site Number 7-54-012

Tioga Casting Site Quarterly Report

Second Quarter 2013

July 2013

ARCADIS

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Principal Geologist

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Staff Geologist

Tioga Castings Site Quarterly Report

Second Quarter 2013

Site Number 7-54-012

Prepared for:
New York State Department of Environmental Conservation

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Our Ref.:
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Date:
July 2013

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Appendices

1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D004443-8) to ARCADIS of NY, Inc. (ARCADIS), for Operation, Maintenance, and Monitoring at the Tioga Castings Site (NYSDEC site number 7-54-012) in New York State. ARCADIS has prepared this Quarterly Report in accordance with the NYSDEC-approved Site Management Plan (SMP) to summarize second quarter 2013 operation and maintenance (O&M) activities.

2. Site Description

The Tioga Castings site is located on Foundry Street, Owego, Broome County, New York. The former foundry buildings have been razed, leaving the concrete slabs in-place. A capped, closed landfill is present at the western end of the site. In August 2011, the boundaries of the site (originally encompassing approximately seven acres) were reduced by the NYSDEC to only include the approximately one acre landfill (Figure 2-1).

3. Operation and Maintenance

Operation and Maintenance (O&M) activities were performed on May 17, 2013 in accordance with the NYSDEC-approved SMP. A Post Closure O&M Checklist (Appendix A) was used to document the current status of the landfill, including security and landfill cap maintenance and repairs. Site photographs taken during the landfill inspection are provided in Appendix B. The next O&M event is scheduled to be performed during the fourth quarter 2013.

3.1 Landfill Security

The landfill perimeter fence, entry gate, and locks were inspected for proper operation and signs of deterioration. As indicated in the O&M Checklist, no problems were observed with the integrity of these components. In addition, the Foundry Street entry gate warning sign was in place and in acceptable condition.

3.2 Landfill Cap Maintenance

A visual inspection of the landfill cap was performed to assess the landfill for burrowing rodents, erosion, woody vegetation, and settlement. As shown in the O&M Checklist (Appendix A), no burrowing rodent holes were observed in the landfill.

As shown in the O&M Checklist, brush is growing in the perimeter swales of the landfill but is not encroaching on the landfill cap.

The landfill cap, including those areas repaired between February and March 2012 due to flood damage caused by Tropical Storm Lee, are in acceptable condition.

4. Recommendations

Brush and other woody vegetation are present in the swales along the perimeter of the landfill. Therefore, it is recommended that the vegetation be removed on an annual basis to prevent encroachment on the landfill cap. The brush and other woody vegetation should be cut, chipped, and disposed off-site or spread along the perimeter of the landfill fence.

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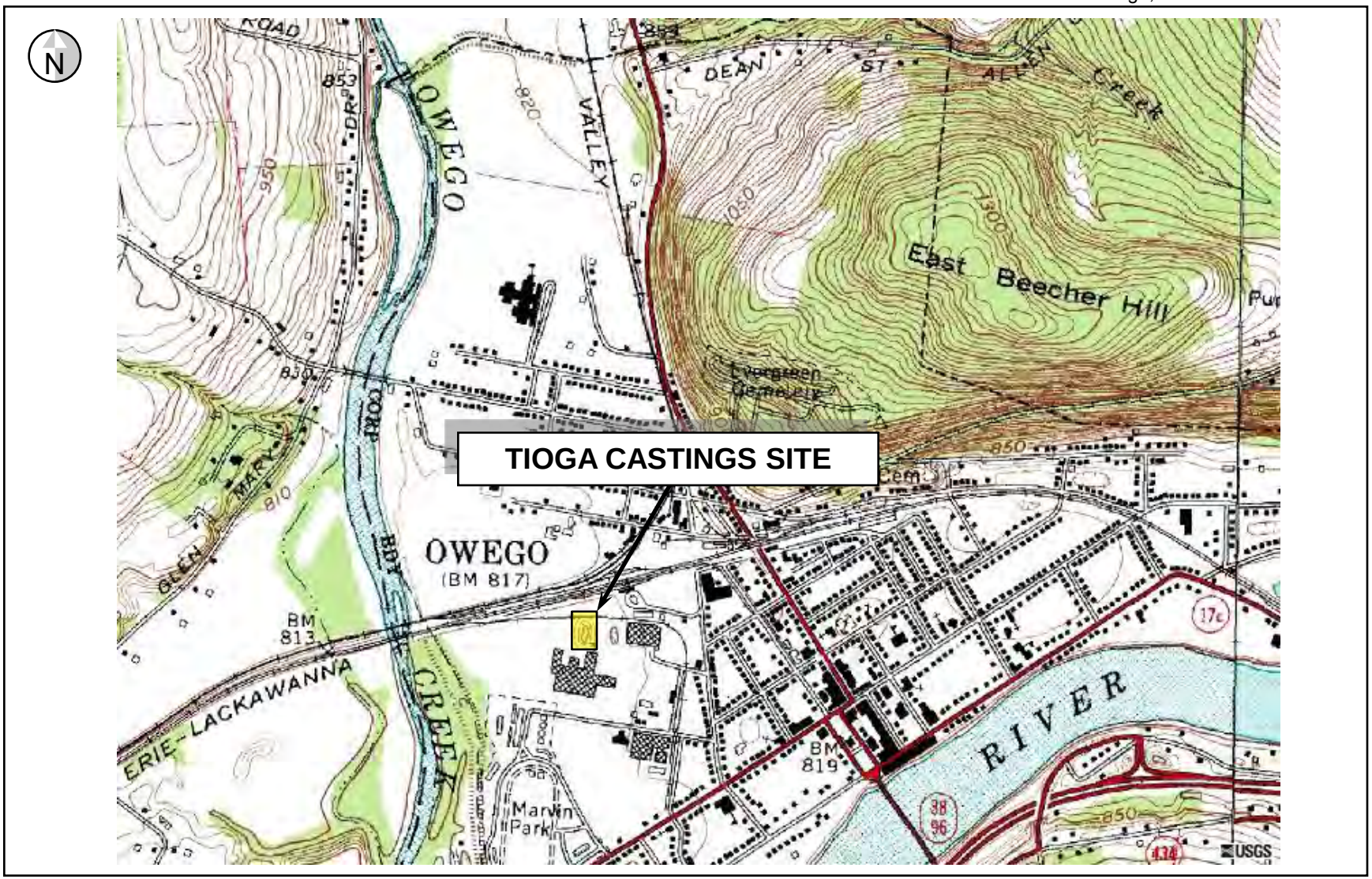
Figure 2-1
Site Location
Tioga Castings Site
NYSDEC Site Number 7-54-012
Owego, New York

0 2,000 ft



Source: USGS 7.5-minute Series Topographic Quadrangle, OWEGO (1990).

G:Project/0266362/File/Reports/1st Qtr 2012/Figure 2-1.ppt

Appendix A

Post-Closure Operation and Maintenance Checklist

TIOGA CASTINGS SITE LANDFILL

Post-Closure Operation and Maintenance Checklist

Inspected by: Jeremy Wyckoff

Date: 5/17/2013 Time: 1600

Weather Conditions: Cloudy 65°F

LANDFILL COVER SYSTEM

Erosion		YES	X	NO
Holes or Cracks in Cover		YES	X	NO
Cap Settlement		YES	X	NO
Ponded Water or Wet Areas		YES	X	NO
Burrowing Rodents		YES	X	NO
Sparse Vegetation/Bare Soil		YES	X	NO
Brush or Other Woody Vegetation,		YES	X	NO
Excessive Weeds in Grass		YES	X	NO
Grass Mowed		YES	X	NO

DRAINAGE DITCHES

Erosion		YES	X	NO
Obstructions		YES	X	NO
Sediment Accumulation		YES	X	NO
Evidence of Surcharging		YES	X	NO
Presence of Brush	X	YES		NO

Comments: Brush growing in perimeter swales - None on landfill cap.

Continued

FENCING

Warning Signs	X	OK		OTHER
Gates and Locks	X	OK		OTHER
Posts	X	OK		OTHER
Top Tension Wire	X	OK		OTHER
Barbed Wire	X	OK		OTHER

Comments: _____

_____

MONITORING WELLS

Capped and Locked	X	YES		NO
Casing Damage		YES	X	NO

Comments: _____

_____

INSPECTOR'S SIGNATURE JRW DATE 5/17/2013

Appendix B

Landfill Photograph Log

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Appendix B
Post-closure Site Photographs

Tioga Castings Site
NYSDEC Site #7-54-012
Owego, New York

Landfill Access Gate

South edge of landfill – looking west

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Appendix B
Post-closure Site Photographs

Tioga Castings Site
NYSDEC Site #7-54-012
Owego, New York

West side of landfill – looking north.

West side of landfill – looking south.

North side of landfill – looking east.

North side of landfill – looking west.

East side of landfill – looking south.

East side of landfill – looking north.

Landfill – looking northwest.

Landfill – looking southwest.

Landfill – looking southeast.

Landfill – looking northeast.