



Department of
Environmental
Conservation

New York State Department of Environmental
Conservation

Tioga Castings Site Quarterly Report Third Quarter 2015

NYSDEC Site Number 7-54-012

January 2016

TIOGA CASTINGS SITE QUARTERLY REPORT THIRD QUARTER 2015

NYSDEC Site Number 7-54-012



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Our Ref.:

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Date:

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CONTENTS

Acronyms and Abbreviations	3
1 Introduction	1-1
2 Site Description.....	2-1
3 Operation and Maintenance	3-1
3.1 Landfill Security	3-1
3.2 Landfill Cap Maintenance.....	3-1
3.3 Groundwater Monitoring Wells	3-1
4 Groundwater Monitoring	4-1
5 Recommendations.....	5-1
6 References	6-1

FIGURES

Figure 2-1 Site Location

Figure 2-2 Site Features

APPENDICES

A Post-Closure Operation and Maintenance Checklist

Landfill Photograph Log

ACRONYMS AND ABBREVIATIONS

MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
SMP	Site Management Plan

1 INTRODUCTION

The NYSDEC has issued a Work Assignment (# D004443-8) to ARCADIS CE, Inc. (ARCADIS) for O&M at the Tioga Castings Site (NYSDEC site number 7-54-012) in Owego, Broome County, New York. This Quarterly Report has been prepared in accordance with the NYSDEC-approved SMP to summarize third quarter 2015 O&M activities.

2 SITE DESCRIPTION

The Tioga Castings site is located on Foundry Street, Owego, Broome County, New York (Figure 2-1). The site currently consists of an approximately one acre capped, closed landfill. In August 2011, the boundaries of the site (originally encompassing approximately seven acres) were reduced by the NYSDEC to only include the landfill (Figure 2-2).

3 OPERATION AND MAINTENANCE

O&M activities were performed on September 24, 2015 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. The next O&M event is scheduled to be performed during the first quarter 2016.

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.

Brush was growing in the perimeter swales of the landfill, but was not encroaching on the landfill cap.

The condition of the landfill cap appeared to be in acceptable condition.

3.3 Groundwater Monitoring Wells

Groundwater monitoring wells were inspected for security and signs of deterioration. As shown in the O&M Checklist, the monitoring wells are in acceptable condition and no significant problems were reported.

4 GROUNDWATER MONITORING

Groundwater sampling was performed during the first quarter 2015. Results of the sampling event were provided to the NYSDEC in the Tioga Casting Site Quarterly Report – First Quarter 2015 (ARCADIS, 2015). Based on the current five-quarter sampling interval, the next groundwater monitoring event is scheduled to occur during the second quarter 2016.

5 RECOMMENDATIONS

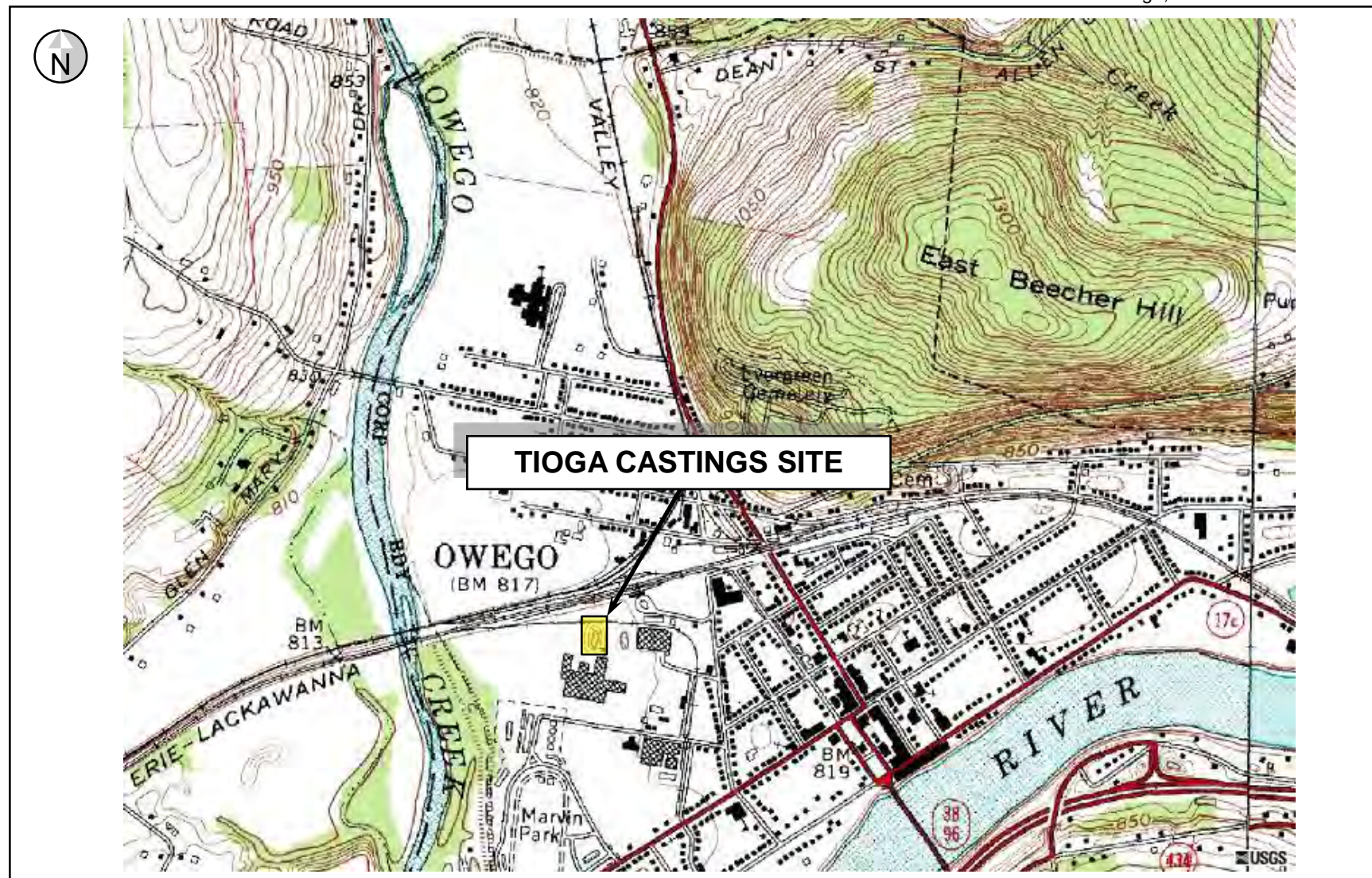
There are no recommendations at this time.

6 REFERENCES

ARCADIS, 2015, Tioga Casing Site Quarterly Report, First Quarter 2015, Arcadis CE, Inc., March 2015.

FIGURES



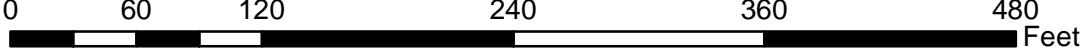


Source: USGS 7.5-minute Series Topographic Quadrangle, OWEGO (1990).



Legend

- Monitoring Well
- Abandoned Well
- Former Casting Facility
- Landfill/Site Boundary
- Approximate Parcel Boundary



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SITE NUMBER 754012
Tioga Casting Facility, Owego, New York

SITE FEATURES

 Design & Consultancy
for natural and
built assets

FIGURE
2-2

Note: Site feature boundaries are approximate.

G:\GIS\MOD\00266403.0000\Site Map.mxd

APPENDIX A

Post-Closure Operation and Maintenance Checklist



TIOGA CASTINGS SITE LANDFILL

Post-Closure Operation and Maintenance Checklist

Inspected by: Jeremy Wyckoff and Lance Whalen

Date: 9/24/2015 Time: 10:30

Weather Conditions: Clear ~55° F

LANDFILL COVER SYSTEM

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

DRAINAGE DITCHES

Erosion	<u> </u>	YES	<u> X </u>	NO
Obstructions	<u> </u>	YES	<u> X </u>	NO
Sediment Accumulation	<u> </u>	YES	<u> X </u>	NO
Evidence of Surcharging	<u> </u>	YES	<u> X </u>	NO
Presence of Brush	<u> X </u>	YES	<u> </u>	NO

Comments: Brush growing in swales.

Continued

FENCING

Warning Signs	<u> X </u>	OK	<u> </u>	OTHER
Gates and Locks	<u> X </u>	OK	<u> </u>	OTHER
Posts	<u> X </u>	OK	<u> </u>	OTHER
Top Tension Wire	<u> X </u>	OK	<u> </u>	OTHER
Barbed Wire	<u> X </u>	OK	<u> </u>	OTHER

Comments: _____

MONITORING WELLS

Capped and Locked	<u> X </u>	YES	<u> </u>	NO
Casing Damage	<u> </u>	YES	<u> X </u>	NO

Comments: _____

INSPECTOR'S SIGNATURE JRW DATE 9/24/2015

APPENDIX B

Landfill Photograph Log



Appendix B
Landfill Photograph
Log

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



Facing southeast
corner, from center
of landfill



Facing southwest
corner, from center
of landfill

Appendix B
Landfill Photograph
Log

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



Facing northwest
corner, from center
of landfill



Facing northeast
corner, from center
of landfill

Appendix B
Landfill Photograph
Log

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



Facing south, from
northwest corner



Facing east, from
northwest corner

Appendix B
Landfill Photograph
Log

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



Facing west, from
northeast corner



Facing north, from
southeast corner

Appendix B
Landfill Photograph
Log

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



Facing west, from
southeast corner



Facing north, from
southwest corner