

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Fagan Eng.worked from 3:00 to 4:30

Subcontractor B: _____

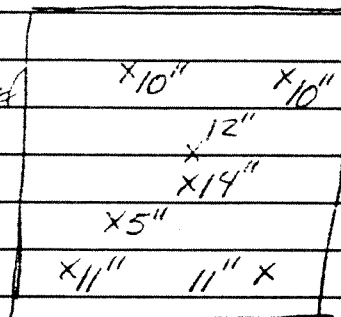
worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office trailer	1				Superintendent 1			
dozer	1				Equip. Op. 2			
roller	1				Security 1			
backhoe				1	Technician		1	
Rack truck	1							
lowboy trailer				1				

Prime Contractor worked from _____ to _____

Comments: I checked the thickness of the foundation layer in seven locations.

One was 5". The other six ranged from 10-14". I informed the project super. I also told her the slopes must be 4% to 6% with a 25% transition to the swales.



↑ N

Items of concern:

More select fill than required. More than we should pay for. Are the slopes correct?

Attachments to this report: _____

Inspector's Name (Print):

John A. May

Inspector's Signature:

John A. May

Date:

5/20/97

Reviewed by: _____

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/19/97</u>	I.R. No. <u>47</u>	
Site Name: <u>Tioga Casting</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St. Oswego</u>	Weather	<u>Rain</u>	<u>Cloudy</u>
Engineer: <u>Aman Nagi</u>	Temperature		
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) Lopke delivered 15 loads of foundation layer select fill. The contractor tried to grade and compact it. Too much rain. work on layd fill stopped ~~at~~ at 8:00. Fagan Eng. field tech on site. Too wet for compaction tests. He will be back tomorrow. Chenango Contracting on site. Delivered fork lift, utility trailer and tools to install HDPE.

(PM) Contractor made repairs to silt fence on South side of area H. Hauled one backhoe off site & brought back another. Performed maintenance of thier equipment.

Site Visitors

Representing

Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env. Serv. worked from 8:00 to 12:00

Subcontractor B: Chenango Contracting worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
					Superintendent	1		
Office Trailer	1				Equip. Op.	2	1	
limbby "	1				Foreman			1
utility "			1		Security	1		
backhoe	1				Labour			2
dozer	1							
roller	1							
TCB Loadall			1					
rack truck	1							

Prime Contractor worked from 6:00 to 2:00

Comments:

Items of concern: Heavy rains last night & this morning.
Western 1/3 of landfill wet. Silt fence needed
repair on South side of area H. Area H soft &
wet. Foundry Street needs some reworking.

Attachments to this report:

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Date: 5/19/97

Reviewed by: _____

Date: _____



Site Code No. <u>754-12</u>	Date <u>5/16/97</u>	I.R. No. <u>46</u>
Site Name: <u>THREE CORNERS</u>	Sheet <u>1</u> of <u>2</u>	AM PM
Location: <u>Mallick Rd. 1000</u>	Weather	<u>100% sun</u> <u>cloudy</u>
Engineer: <u>Anna Dwyer</u>	Temperature	<u>42</u> <u>64</u>
Contractor: <u>Tree Organization Inc</u>	Wind (Dir./Vel.)	<u>10 mph</u> <u>10 mph</u>
Job Phone: <u>(607) 6-7-1150</u>		

Health & Safety:

Level of protective clothing used: 10

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.

Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

CUT PIPES 2" DIA. - DUE TO DEAS GAUGES AS TO THICKNESS
 OF T. MANTLE LAYER, 1 ST TRUCK ARRIVED WITH FILL AT
 7:00 AM FROM LURKE GRAVEL 20 TRUCKS DELIVERED BY
 9:30 AM. PLASTIC WHICH COVERED EXCAVATION IS UNLATCHED
 TO BE ARRANGED FLAT WIND BLOWS IT AROUND BUT
 WITH EFFORT IS PULLED UNDER FOUNDATION LAYER.
 METAL BOLTS REMOVED UNDER RLY OVERPENS WHICH
 ARE USED TO HOLD DOWN RLY ARE PULLED OFF AS
 FILL ANZEL APPROXIMATED
 PLASTIC REMOVED STRIPS
 GRIFTON TOOK APPROX 14 TRUCKS OF DEBRIS UNDER
 ONCE REMOVED FILL MATERIAL EQUIV. BY 1 CHECK LEAF
 PLANTING - 26, 48 - 3/4" - 1/2" - 1/4" - 1/8" - 1/16" - 1/32" - 1/64" - 1/128" - 1/256" - 1/512" - 1/1024" - 1/2048" - 1/4096" - 1/8192" - 1/16384" - 1/32768" - 1/65536" - 1/131072" - 1/262144" - 1/524288" - 1/1048576" - 1/2097152" - 1/4194304" - 1/8388608" - 1/16777216" - 1/33554432" - 1/67108864" - 1/134217728" - 1/268435456" - 1/536870912" - 1/1073741824" - 1/2147483648" - 1/4294967296" - 1/8589934592" - 1/17179869184" - 1/34359738368" - 1/68719476736" - 1/137438953472" - 1/274877907344" - 1/549755814688" - 1/1099511629376" - 1/2199023258752" - 1/4398046517504" - 1/8796093035008" - 1/17592186070016" - 1/35184372140032" - 1/70368744280064" - 1/140737488560128" - 1/281474977120256" - 1/562949954240512" - 1/1125899908481024" - 1/2251799816962048" - 1/4503599633924096" - 1/9007199267848192" - 1/18014398535696384" - 1/36028797071392768" - 1/72057594142785536" - 1/144115188285571072" - 1/288230376571142144" - 1/576460753142284288" - 1/1152921506284568576" - 1/2305843012569137152" - 1/4611686025138274304" - 1/9223372050276548608" - 1/18446744100553097216" - 1/36893488201106194432" - 1/73786976402212388864" - 1/14757395280442477728" - 1/29514790560884955456" - 1/59029581121769910912" - 1/118059162243539821824" - 1/236118324487079643648" - 1/472236648974159287296" - 1/944473297948318574592" - 1/1888946595896637149184" - 1/3777893191793274298368" - 1/7555786383586548596736" - 1/15111572767173097193472" - 1/30223145534346194386944" - 1/60446291068692388773888" - 1/120892582137384777547776" - 1/241785164274769555095552" - 1/483570328549539110191104" - 1/967140657099078220382208" - 1/1934281314198156440764416" - 1/3868562628396312881528832" - 1/7737125256792625763057664" - 1/15474250513585251526115328" - 1/30948501027170503052230656" - 1/61897002054341006104461312" - 1/123794004108682012208922624" - 1/247588008217364024417845248" - 1/495176016434728048835690496" - 1/990352032869456097671380992" - 1/1980704065738912195342761984" - 1/3961408131477824390685523968" - 1/7922816262955648781371047936" - 1/15845632525911297562742095872" - 1/31691265051822595125484191744" - 1/63382530103645190250968383488" - 1/126765060207290380501936766976" - 1/253530120414580761003873533952" - 1/507060240829161522007747067904" - 1/1014120481658323044015494135808" - 1/2028240963316646088030988271616" - 1/4056481926633292176061976543232" - 1/8112963853266584352123953086464" - 1/16225927706533168704247906172928" - 1/32451855413066337408495812345856" - 1/64903710826132674816991624691712" - 1/129807421652265349633983249383424" - 1/259614843304530699267966498766848" - 1/519229686609061398535932997533696" - 1/1038459373218122797071865995067392" - 1/2076918746436245594143731990134784" - 1/4153837492872491188287463980269568" - 1/8307674985744982376574927960539136" - 1/16615349971489964753149855921078272" - 1/33230699942979929506299711842156544" - 1/66461399885959859012599423684313088" - 1/132922799771919718025198847368626176" - 1/265845599543839436050397694737252352" - 1/531691199087678872100795389474504704" - 1/1063382398175357744201590778949009408" - 1/2126764796350715488403181557898018816" - 1/4253529592701430976806363115796037632" - 1/8507059185402861953612726231592075264" - 1/17014118370805723907225452463184150528" - 1/34028236741611447814450904926368301056" - 1/68056473483222895628901809852736602112" - 1/136112946966445791257803619705473204224" - 1/272225893932891582515607239410946408448" - 1/544451787865783165031214478821892816896" - 1/1088903575731566330062428957643785633792" - 1/2177807151463132660124857915287571267584" - 1/4355614302926265320249715830575142535168" - 1/8711228605852530640499431661150285070336" - 1/17422457211705061280998863322300570140672" - 1/34844914423410122561997726644601140281344" - 1/69689828846820245123995453289202280562688" - 1/139379657693640490247990906578404561125376" - 1/278759315387280980495981813156809122250752" - 1/557518630774561960991963626313618244501504" - 1/1115037261549123921983927252627236489003008" - 1/2230074523098247843

Site Visitors	Representing	Entered exclusion zone
Dunlop	Ford	YES
1982	Hill Country	YES NO

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: 7 SITE SERVICES worked from 6/00 to 9/15

Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Excavator	1				Excavator	1		
Tractor	1				Tractor	2	1	
Motor grader	1				Motor grader	1		
Roller	1							
Backhoe	1							
Generator	1							
Compactor		1						
Water pump		1						
Roller	1							

Prime Contractor worked from 6/77 to 9/85

LUSTY THICKS

Comments:

Items of concern:

Attachments to this report:

Inspector's Name (Print):

Inspector's Signature: _____ Date: 7/11/17

Reviewed by: _____ Date: _____



Health & Safety:

Level of protective clothing used:

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.

Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

AM 5 I used Grading & Snapping machine to
picking out debris & turning off landfill
area. I found each the new 58" tank
was damaged to accept de-water other
100 gal tank. Full place - plastic which
covered landfill on surface with angles to
be sealed with a tarpaulin which started.
PM 1200 Picked up debris, moved stump
out of the way, removed 2' of soil in roll off
continued removal of debris & grading work.

Site Visitors

Representing

Entered exclusion zone

STANCA

2011 FEB 11
TAGUICU

yes

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

7/15/97

Subcontractor A: THE H.C. ENL. CO. INC. worked from 7:00 AM to 6:00 PM
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Exc. & Backfill	1				Super Int	1		
Hydr. Hammer	1				Exc. Op.	2	1	
Long Hammer	1				Sc. Op.	1		
10' Box	1							
12' Box	1							
DIR Spreader	1							
Hydr. Jack	1							
Welding Torch	1							
Rock Hammer	1							

Prime Contractor worked from 7:00 AM to 6:00 PM

Comments:

Items of concern:

Attachments to this report:

Inspector's Name (Print): Christopher J. [Signature]
Inspector's Signature: [Signature] Date: 7/15/97
Reviewed by: _____ Date: _____

Site Code No. <u>754012</u>	Date <u>5/14/97</u>	I.R. No. <u>44</u>	
Site Name: <u>Troga Casting</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nayi</u>	Temperature	<u>45°</u>	<u>60°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The contractor removed contaminated soil from stumps mechanically. Then pressure washed them in the decom pad. The washed stumps were then loaded into a rolloff. The water collected and pumped into a poly tank. The anchor trench was dug ~~along the~~ on the West side of the land fill.

(PM) Cleaning of stumps continued. Anchor trench work also continued on both the West and South side of the land fill. Chenango Contracting on site ~~filling~~ filling sand bags.

Site Visitors	Representing	Entered exclusion zone
<u>Chris Rossi</u>	<u>NYSDEC</u>	<u>Yes</u>
<u>Amar Nayi</u>	<u>"</u>	<u>No</u>

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env. Serv. worked from _____ to _____
Subcontractor B: Chenango Contracting worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>lowboy "</u>				<u>1</u>	<u>Equip. Op</u>	<u>2</u>	<u>1</u>	
<u>backhoe</u>	<u>2</u>				<u>Security</u>	<u>1</u>		
<u>roller</u>	<u>1</u>				<u>Labors</u>			<u>1</u>
<u>dozer</u>	<u>1</u>							
<u>pressure washer</u>	<u>1</u>							
<u>roll off</u>	<u>1</u>							
<u>rack truck</u>	<u>1</u>							
<u>dump truck</u>				<u>1</u>				

Prime Contractor worked from _____ to _____

Comments: Chris Rossi on site to ~~re~~ spell me
this afternoon, the 15th and 16th.

Items of concern: Slow progress. Decon water poly tank
nearly full.

Attachments to this report:

Inspector's Name (Print): John A. May
Inspector's Signature: John A. May Date: 5/14/97
Reviewed by: _____ Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/13/97</u>	I.R. No. <u>43</u>	
Site Name: <u>Ticoga Castings</u>	Sheet <u>1</u> of <u>3</u>	AM	PM
Location: <u>McManta St., Oswego</u>	Weather <u>Cloudy</u>	<u>Partly Cloudy</u>	
Engineer: <u>Aman Naji</u>	Temperature <u>50°</u>	<u>60°</u>	
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The contractor pressure washed the contaminated soil off the stumps on the decom pad. The water was collected in the sump and dumped into the poly tank. The anchor trench for the HDPE was dug ~~away~~ on the East side of the landfill. The fourth progress meeting was held in the site trailer. See attached list of attendees.

(PM) The contractor continued to pressure wash the stumps. The landfill was graded and rolled. The surveyors checked the landfill elevations and slopes. They performed the work for the intermediate top. The landfill was recovered and silt fences repaired.

Site Visitors

Representing

Entered exclusion zone

See attached list

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env. Services worked from _____ to _____
Subcontractor B: Williams & Edsall worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>lowboy trailer</u>				<u>1</u>	<u>Equip. Op.</u>	<u>2</u>	<u>1</u>	
<u>backhoe</u>	<u>1</u>			<u>1</u>	<u>Security</u>	<u>1</u>		
<u>roller</u>	<u>1</u>				<u>Surveyor</u>			<u>2</u>
<u>dozer</u>	<u>1</u>							
<u>pressure washer</u>	<u>1</u>							
<u>rack truck</u>	<u>1</u>							

Prime Contractor worked from _____ to _____

Comments: The west half of the North anchor trench need not be daylighted. I told Tonya & the Equip. Op. (Andy). The equip. operator said that the daylighting made his job easier and continued to shape the anchor trench in the same way.

Items of concern: slow progress

Attachments to this report: Progress meeting attendance list

Inspector's Name (Print): John A. May

Inspector's Signature: John A. May

Date: 5/13/97

Reviewed by: [Signature]

Date: _____

THOCA CASTING CONSTRUCTION PROGRESS MEETING

NUMBER 4

DATE 5/13/97

NAME	ADDRESS	PHONE NO.
Christine Rossi	NYSDEC R67-SJR	315 426-7551
John May	NYSDEC Reg. 7	607-687-1158
Amir Naji	DEC	518 457 7878
Tonya Mankowski	TYREE ORG.	607-687-8092
HAULIE VITOLO	Tyree Org.	203 740 8200

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/12/97</u>	I.R. No. <u>42</u>	
Site Name: <u>Troga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>Mc Master St., Oswego</u>	Weather	<u>clouds</u>	<u>shower</u>
Engineer: <u>Amir Nagi</u>	Temperature	<u>60°</u>	<u>65°</u>
Contractor: <u>Three Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 685-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The contractor pressure washed stumps and placed them into a Taylor Garbage Service rolloff. They pumped the wash water into a 1000 gal poly tank. The shaping and grading of the landfill continued.

(PM) The landfill was again shaped and graded. The anchor trench was dug along the East side of the landfill. Stumps were pressure washed and the water collected in the decom pad sump and pumped into the poly tank. Chenango Contracting filled sand bags from sand delivered by Lopley. The landfill was recovered and silt fences repaired.

Site Visitors	Representing	Entered exclusion zone
<u>Bob Taylor</u>	<u>Taylor Garbage Service</u>	<u>No</u>

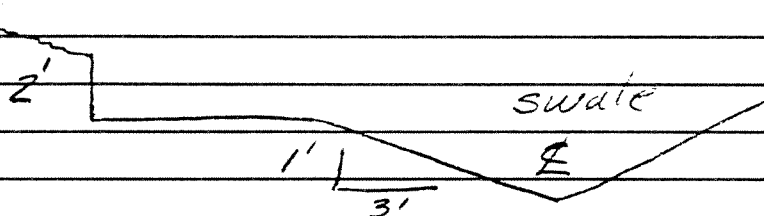
Subcontractor A: Onsite Env. Serv. worked from 8:00 to 5:30Subcontractor B: Chenango Contracting worked from 12:00 to 4:00

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
lowboy trailer				1	Eq. Op.	2	1	
dozer	1				Laborer			1
roller	1			1	Security	1		
backhoe	2							
Pressure washer	1							
dump truck	1							
Tractor/blade				1				
Water wagon	1							

Prime Contractor worked from 8:00 to 5:30

Comments: When digging the anchor trench along the East side of the landfill I told Tyree to place the excavated material into the landfill and to daylight the trench. Backfill with common fill.

East anchor trench
looking North



Items of concern:

Slow progress. Is anchor trench in the proper location? The topo survey will tell.

Attachments to this report:

Inspector's Name (Print): John A MayInspector's Signature: John A MayDate: 5/12/97

Reviewed by:

Date:

Site Code No. <u>754012</u>	Date <u>5/9/97</u>	I.R. No. <u>41</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Showers</u>	<u>Showers</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>50°</u>	<u>60°</u>
Contractor: <u>Tyroe Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The contractor graded and shaped the landfill and the swale in the southwest corner. They pressure washed some stumps.

(PM) The contractor recovered the landfill, reinstalled silt fence.

Site Visitors	Representing	Entered exclusion zone
<u>Chris Rossi</u>	<u>NYSDEC</u>	<u>Yes</u>

Subcontractor A: Onsite Env. Serv. worked from 6:00 to 2:00
 Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy trailer			1	1	Equip. Op.	2	1	
dozer	1				Security	1		
roller	1			1				
backhoe	2							
Tractor/rake				1				
Rack truck	1							
Pressure Washer	1							

Prime Contractor worked from 6:00 to 2:00

Comments: I talked to Amar Re: 10'x32' Trailer. I expressed my concerns as to it's usefulness. He agreed that I should tell Tyree not to ship it to Saratoga. I spoke to the superintendent at 10:30 AM. I told her I did not ~~approve~~ feel the trailer was adequate. I told her not to ship it. I also called G.E. Capitol. I told them that I thought the trailer should not be shipped but that they should ~~Items of concern:~~ wait to hear from there client Tyree.

Items of concern: Slow progress with land fill shaping. Trailer.

Attachments to this report:

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Date: 5/9/97

Reviewed by: _____

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>3/18/97</u>	I.R. No. <u>40</u>
Site Name: <u>Tioza Castings</u>	Sheet <u>1</u> of <u>2</u>	AM PM
Location: <u>McMaster St., Owego</u>	Weather <u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nagi</u>	Temperature <u>35°</u>	<u>55°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)	
Job Phone: <u>(607) 687-1158</u>		

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) RMS delivered topsoil to area 8. Common fill was delivered to area 4 by Hopke. The land fill was shaped and graded.

(PM) RMS delivered topsoil to area 8. A roll off from Taylor Garbage service was delivered. Shaping and grading of the land fill took place on the North side.

I met with Dave McMillan at G.E. Capital. I looked at the 10'x32' trailer that they had planned to send to Saratoga. In my opinion it was not in a serviceable condition. The frame had been rewelded & plywood skims installed to make the floor level. Some of the siding needed repair, some screws missing. Some of the inside trim was broken.

Site Visitors

Representing

Entered exclusion zone

47-15-19(8/88)

NEW YORK

STATE DEPARTMENT OF ENVIRONMENT

CONSERVATION

DIVISION OF HAZARDOUS WASTE REMEDIATION

INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env. Serv. worked from _____ to _____

Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy				1	Equip. Op	2	1	
rock truck	1				Security	1		
dozer	1							
roller	1			1				
backhoe	2							
Tractor/rake				1				
dump truck	1							

Prime Contractor worked from _____ to _____

Comments: I checked the abandon well in the NE corner of the land fill. 27' deep, 16' to water. I filled the bottom 12' with pea stone. I mixed 3,80 lb bags of sackrete concrete mix & poured it in. I filled the remainder with common fill. It was later broken off at the surface.

Items of concern: Slow progress. 10'x32' trailer not satisfactory.

Attachments to this report:

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Date: 5/8/97

Reviewed by: _____

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/7/97</u>	I.R. No. <u>39</u>	
Site Name: <u>Tioga Castings Site</u>	Sheet <u>1</u> of <u>3</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Naji</u>	Temperature	<u>40°</u>	<u>50°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The landfill was shaped and graded. The ~~area~~ Common fill was delivered to area H by Hopke. It was graded and compacted.

(PM) Common fill was delivered to area H by Hopke. It was then graded and compacted. Compaction tests were performed by Fogar Eng. The East side of the landfill was graded. The landfill was recovered and silt fence repaired.

2nd backhoe delivered to the site. Case 580K-4WD.

Site Visitors

Representing

Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env. Services worked from 7:00 to 4:00
Subcontractor B: Foyan Eng worked from 7:00 to 4:00

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Officer trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>lowboy trailer</u>				<u>1</u>	<u>Equip. Op.</u>	<u>2</u>	<u>1</u>	
<u>Roller</u>	<u>2</u>				<u>Security</u>	<u>1</u>		
<u>Backhoe</u>	<u>2</u>				<u>Technician</u>			<u>1</u>
<u>dozer</u>	<u>1</u>							
<u>roller</u>	<u>2</u>							
<u>Rack truck</u>	<u>1</u>							

Prime Contractor worked from 7:00 to 4:00

Comments: I spoke with Mr. Stevens of S&W Contractors.
Area A softened up after the rain. They
would like some #2 stone to improve the
driveway area. I said I would discuss it
with Amas.

Items of concern: Slow progress with land fill,
shaping and East swale. Fence and fence
post damage in areas G, H & B. See attached
list.

Attachments to this report:

Inspector's Name (Print): John A. May

Inspector's Signature: [Signature]

Date: 5/7/87

Reviewed by: [Signature]

Date: 5/7/87

Supplement to Report No. 39
Site Code No. 754012

Dated 5/7/97
Site Name Tioga Castings

Fence Damage Notes

Starting from the S.W. corner of area H. Moving ~~to~~ East. 1st post bent at or below grade. At post 17 the diagonal support is unattached. At post 20 the barb arm is off. The same at posts, 21, 22, 23 & 24. 24 is also out of plumb. Post 27 is bent at or below grade. Post 28 is missing. 29 has a bent barb arm. Post 30 is bent. Posts 31, 32, 33, are missing. 34, 35 and 36 is out of plumb. 35 barb arm bent.

Starting from S&W Contractors building corner of area B moving S.E. Gate hinges unhooked. Gate post out of plumb. 1st post on building corner barb arm support unhooked. 4th post is broken. 5th post out of plumb. Diagonal support missing. 6th post out of plumb. Horizontal top post from 6-7 broke.

Starting at N.W corner of area H moving East. #1 & #2 bent or out of plumb. Barb arms broken. Diagonal from corner to #1 unhooked.

South side of landfill from S.W. corner. Post 11 broken, post 15 bent.

Site Code No. <u>754012</u>	Date <u>5/6/97</u>	I.R. No. <u>38</u>	
Site Name: <u>Tioga Castings Site</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St. Oswego</u>	Weather	<u>Showers</u>	<u>Clouds</u>
Engineer: <u>Aman Nayi</u>	Temperature	<u>55°</u>	<u>40°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) Loper delivered common fill to area H. Common fill was graded and compacted in area H. The land fill was shaped and regraded. Showers stopped ~~the~~ work late morning for 1-1/2 hours. Fagan Eng. took compaction tests of the fill in area H.

(PM) Common fill grading was continued in areas H and B. Additional common fill was delivered to area H by Loper. Land fill shaping and grading was performed. The poly cover for the land fill was replaced. Four rolls of filter fabric were delivered. Rolls

0955046

0955047

0955013

0955031

Site Visitors

Representing

Entered exclusion zone

Gary Robinson

NYS DOH.

Subcontractor A: Onsite Env. Services worked from 7:00 to 4:00Subcontractor B: Fagan Eng. worked from 8:00 to 1:00

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>lowboy 11</u>				<u>1</u>	<u>Equip. Op.</u>	<u>2</u>	<u>1</u>	
<u>Rack truck</u>	<u>1</u>				<u>Security</u>	<u>1</u>		
<u>dozer</u>	<u>1</u>				<u>Technician</u>			<u>1</u>
<u>roller</u>	<u>2</u>							
<u>backhoe</u>	<u>1</u>							

Prime Contractor worked from 7:00 to 4:00

Comments:

Items of concern:

Slow progress on landfill shaping and grading.

Attachments to this report:

Inspector's Name (Print): John A MayInspector's Signature: John A MayDate: 5/6/97

Reviewed by: _____

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REGULATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/5/97</u>	I.R. No. <u>37</u>	
Site Name: <u>Tiege Castings</u>	Sheet _____ of _____	AM	PM
Location: <u>McMaster St. Oswego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nagi</u>	Temperature	<u>40°</u>	<u>60°</u>
Contractor: <u>Truce Organization</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) Topsoil was graded in area G. Common fill was graded and compacted in areas H & B. Lopke delivered common fill to area H. Topsoil was graded in areas F & F(a). Up to grade. Fagan Engineers performed compaction tests in area H.

(PM) Lopke delivered common fill to area H. This fill was graded and compacted by Truce. Compaction tests performed by Fagan Eng. East side of the landfill regraded and shaped. The landfill was recovered.

Site Visitors

Representing

Entered exclusion zone

Gene CatollaFagan Eng.

Subcontractor A: Onsite Env. Serv.worked from 8:00 to 4:30Subcontractor B: Fagan Eng.

worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy trailer	1				Equip. Op	2	1	
Rear truck	1				Security	1		
Dozer	1				Technician			1
Roller	2							
Backhoe	1							
Water Wagon				1				

Prime Contractor worked from 8:00 to 4:30

Comments: Tonya Markowski (TOL) requested that the swale on the East side of the landfill be moved 10' west. Reasons #1. It will allow the landfill to be shaped with a minimum of common fill added. #2 It will reduce the length of the swale & increase the slope. #3. It will increase the area of land to be delisted. #4. It will reduce the area of maintenance. I agree. I ~~also~~ talked it over with Aman Naji - He is in agreement.

Items of concern: Slow progress on landfill grading and shaping. Fence in area G getting damaged more. Three posts missing.

Attachments to this report:

Inspector's Name (Print): John A. MayInspector's Signature: John A. MayDate: 5/5/97

Reviewed by: _____

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REGULATION
 INSPECTOR'S DAILY REPORT

Site Code No. <u>734012</u>	Date <u>5/2/97</u>	I.R. No. <u>36</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nagi</u>	Temperature	<u>50°</u>	<u>60°</u>
Contractor: <u>Tyree Organization, Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?
 Yes X No If no, list the deviations under Items of Concern.

Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) Lopke
delivered common fill to area H. RMS
Gravel delivered topsoil to areas C & J.
60 rolls of T-D rain 200 FNF geo-compost
were delivered. Shaping and grading of
the West side of the landfill continued. Silt
fences were reinstalled. The landfill was
recovered with poly. Security fences were
checked and repaired.

Site Visitors	Representing	Entered exclusion zone

Subcontractor A: Onsite Env. Serv.

worked from _____ to _____

Subcontractor B: _____

worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office trailer	1				Superintendent	1		
Limbo trailer	1				Equip. Op.	2	1	
rock trailer	1				Security	1		
dozer	1				Technician			
backhoe	1							
Dump truck				1				
roller	2							

Prime Contractor worked from 6:00 to 1:30

Comments:

Items of concern:

Slow progress on land fill shaping.

Attachments to this report:

Inspector's Name (Print):

John A. May

Inspector's Signature:

[Signature]

Date:

5/2/97

Reviewed by:

Date:

Site Code No. <u>754012</u>	Date <u>5/1/97</u>	I.R. No. <u>35</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Showers</u>	<u>Showers</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>60°</u>	<u>70°</u>
Contractor: <u>Tyree Organization Ltd</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) The contractor graded and shaped the drainage swale on the West side of the landfill. The centerline of the swale is 15° East of the existing fence. Topsoil was graded in area D. Common fill was compacted and tested in area G. I went with Dan Boylan from Fagan to the Lopke pit to collect a 2nd sample of Select fill. Lopke delivered common fill to area H.

(PM) Topsoil was graded & hand raked in areas D, F & Fa. Area D is up to finished grade. The landfill and swale was graded on the West side. Lopke delivered common fill to area H. The Tyree dump truck was decored. The decore water was pumped into the poly tank.

Site Visitors	Representing	Entered exclusion zone
<u>Tom S40330</u>	<u>NYSDEC</u>	
<u>Chris Rossi</u>	<u>NYSDEC</u>	

Subcontractor A: Onsite Env.

worked from _____ to _____

Subcontractor B: Lifestyles

worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy trailer	1				Equip. Op.	2	1	
Rock truck	1				Labors			1
Backhoe	1				Backhoe			
Dozer	1				Security	1		
Roller	2							
Dump truck				1				
Tractor & rake	1							
Pressure Washer	1							

Prime Contractor worked from _____ to _____

Comments:

I spoke with Gary Stevens owner of S&W Contractors. He is happy with the grading and material in area A. He does not want it seeded or additional topsoil spread. I gave Tonya this information.

Items of concern:

Slow progress in landfill ~~grading~~ grading

Attachments to this report:

Inspector's Name (Print):

Inspector's Signature:

Date:

Reviewed by:

Date:

Site Code No. <u>754012</u>	Date <u>4/30/97</u>	I.R. No. <u>34</u>	
Site Name: <u>Troja Castings</u>	Sheet <u>1</u> of <u>6</u>	AM	PM
Location: <u>McMaster St. Oswego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amir Nagi</u>	Temperature	<u>55°</u>	<u>75°</u>
Contractor: <u>Tune Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687 1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) The remaining fence and gate on the East side of the landfill was removed. It was stored on the concrete floor within the building footprint. Topsoil was delivered by RMS Gravel to areas C, D, F & G. Common fill was graded in areas A & B.

(PM) The drainage swale on the South side of the landfill was regraded and shaped. The topsoil was graded in areas C & D. Topsoil was delivered to areas G & H. A progress meeting was held in the site trailer. The landfill was recovered. The silt fence in the South swale replaced. The security fences checked and repaired. No more need for security fence in areas A, C and D.

Site Visitors	Representing	Entered exclusion zone
<u>Gary Robinson</u>	<u>NYS DOH</u>	<u>No</u>
<u>Amir Nagi</u>	<u>NYS DEC</u>	<u>No</u>
<u>Chuck Rades</u>	<u>Chenango Contracting</u>	

Subcontractor A: Onsite Env. Serv. worked from 7:00 to 4:30
 Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Hall & Vitale</u>	<u>Project Manager</u>		
<u>Lowboy trailer</u>				<u>1</u>	<u>Superintendent</u>	<u>1</u>		
<u>Dump truck</u>				<u>1</u>	<u>Equip. Op</u>	<u>2</u>	<u>1</u>	
<u>Rock truck</u>	<u>1</u>				<u>Security</u>	<u>1</u>		
<u>dozer</u>	<u>1</u>							
<u>Roller</u>	<u>2</u>							
<u>Backhoe</u>	<u>1</u>							
<u>Tractor & rake</u>	<u>1</u>							

Prime Contractor worked from 7:00 to 5:00

Comments: Gary Robinson stopped by in the morning to tell me a letter from the NYSDOH will be sent to the DEC requesting deed restriction on the site if contaminated material remains under the concrete.

Items of concern: Slow progress on land fill & swale shaping and grading.

Attachments to this report: Progress meeting #3 minutes.

Inspector's Name (Print): John A. May
 Inspector's Signature: John A. May Date: 4/29/97
 Reviewed by: _____ Date: _____

Site Code No. <u>754012</u>	Date <u>4/29/97</u>	I.R. No. <u>33</u>	
Site Name: <u>Troga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>50°</u>	<u>65°</u>
Contractor: <u>Tyree Organization</u>	Wind (Dir./Vel.)		
Job Phone: <u>(608) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) Common fill was graded and compacted in areas C and B. The material was delivered by Lopke. Compaction tests were performed by Fagan Engineers. Elevations were taken of the existing landfill and swales.

(PM) Addition common fill was delivered to areas A, B and C. The material was graded and compacted. Topsoil was graded and raked in areas A, C, D, and E. The landfill was re-rolled in areas that failed to meet the compaction limits. Fagan re-tested the landfill. The West and South swales were staked out. The landfill was recovered. a The security fences were checked and repaired.

Site Visitors

Representing

Entered exclusion zone

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Environmental worked from 7:00 to 4:00
 Subcontractor B: Fagan Engineers worked from 8:00 to 4:30
Williams & Edsall

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy trailer				1	Equip. Op	2	1	
dump truck				1	Security	1		
backhoe	1				Technician			1
dozer				1	Surveyors			
roller	1			1				
Tractor & rake	1							
Water wagon				1				
Rock truck	1							

Prime Contractor worked from 7:00 to 4:00

Comments:

Items of concern:

The fence in area C and B has been damaged again. Repairs will be required. Does the contractor have the required equipment and manpower to shape the swales and land fill?

Attachments to this report:

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Reviewed by: _____

Date: 4/29/97

Date: _____

Site Code No. <u>754012</u>	Date <u>9/28/97</u>	I.R. No. <u>32</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>Rain</u>	<u>Showers</u>
Engineer: <u>Amar Nigri</u>	Temperature	<u>50°</u>	<u>60°</u>
Contractor: <u>Tyrce Organization Ltd</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

The contractor graded and compacted stockpiled common fill in areas C and B. Rain and showers slowed progress.

The surveyors dropped off cross sections of the landfill existing conditions. N-S and E-W ~~was~~ running through the center.

Fagan engineers performed compaction tests in area C.

The landfill was recovered, security fences checked and repaired.

Site Visitors

Representing

Entered exclusion zone

Gary RobinsonNYSDOHNo

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env.

worked from 8:00 to 12:00

Subcontractor B: Fagan Engineers

worked from 8:00 to 12:00

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office trailer	1				Superintendent	1		
Logway trailer				1	Equip. Op	2	1	
Dump truck				1	Security	1		
Roller	1			1	Technician			1
dozer				1				
Backhoe	1							
Tractor frame	1							
Water wagon				1				
Rack truck	1							

Prime Contractor worked from 8:00 to 4:30

Comments: Gary Robinson looked over areas G & H. He had no more questions or requests for information.

Items of concern: Additional information is needed from the ~~survey~~ surveyors to make decisions on the landfill shaping & grading. Rain made progress slow today.

Attachments to this report:

Inspector's Name (Print): John A. May

Inspector's Signature: John A. May

Date: 4/28/97

Reviewed by:

Date:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>4/25/97</u>	I.R. No. <u>31</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>8</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Sunny</u>	<u>Shower</u>
Engineer: <u>Amir Nagi</u>	Temperature	<u>40°</u>	<u>60°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

The contractor spread and graded topsoil in areas D and E. They also graded common fill in area G.

RMS Gravel delivered topsoil to areas A, D and E.

Lepke delivered common fill to areas G, H, and B.

The land fill was recovered. The HDPE was recovered. Security fences were checked and repairs made.

Site Visitors

Representing

Entered exclusion zone

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: _____ worked from _____ to _____
 Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy Trailer				1	Equip. Op.	1		
Dozer				1	Securing	1		
Backhoe	1							
Roller				2				
Rock truck				1				
Dump truck				1				
Pressure washer				1				

Prime Contractor worked from 6:00 to 1:00

Comments: The decom track excavator was hauled off site this morning. Core samples of two stumps were taken & picked up by Friend's Lab.

Items of concern: The surveyed volumes for excavations A, C, D, E(Fa), F, & X are 24% larger than my estimates.

Attachments to this report: Williams & Edsall, Surveyors, calc. Vols (2)
Tioga Castings Vol sheet, Cert. of Decontamination (3)

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Date: 4/25/97

Reviewed by: _____

Date: _____

T/OGA CASTINGS

AREA	EST. VOL. Cu. Yd.	SURVEYED VOL. Cu. Yd.
A.	75	113
B.		
C.	34	57
D.	216	304
E.(Fa)	37	46
F.	71	95
G.		
H.		
I.	312	312.1

WILLIAMS & EDSALL
LAND SURVEYORS

353 Spencer Road
Candor, NY 13743
Telephone: (607) 659-5803
Fax: (607) 659-5803

24 Apr 97

TO:

Tyree Organization Ltd.
125 Commerce Drive
Brookfield, CT 06804

SUBJECT:

Volumn quantities of excavation

This is to verify that we have measured the material removed from Sites at A,C,D & E. We have calculated the volumn to be as follows:

Site A 113 CY
Site C 57 CY
Site D 304 CY
Site E 46 CY

Respectfully submitted



George R. Williams, Partner
Williams & Edsall, Land Surveyors

WILLIAMS & EDSALL
LAND SURVEYORS

353 Spencer Road
Candor, NY 13743
Telephone: (607) 659-5803
Fax: (607) 659-5803

22 Apr 97

TO:

Tyree Organization Ltd.
125 Commerce Drive
Brookfield, CT 06804

SUBJECT:

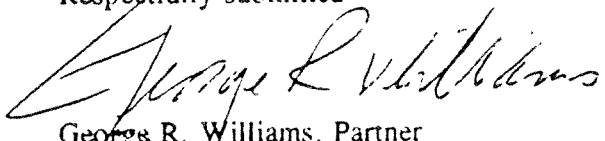
Volume quantities of excavation

This is to verify that we have measured the material removed from Sites at F and I. We have calculated the volume to be as follows:

Site F 95.35 CY

Site I 312.10 CY

Respectfully submitted



George R. Williams, Partner
Williams & Edsall, Land Surveyors

CERTIFICATE OF DECONTAMINATION

Hoga Castings
Site No. 7-54-012

Equipment

Excavator - Cat E120B

Equipment Number

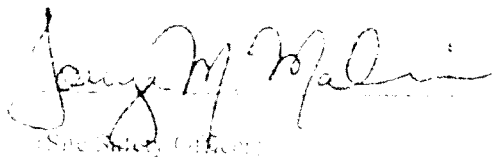
PIN K7 NF06380 ~~Owned~~ by Austin Excavating

Date Decontaminated

4/24/97

Procedure Used

Scraped packed soil in tracks to
loosen & then power-washed
on decon. pad.


James M. Malin
(Site Manager)

CERTIFICATE OF DECONTAMINATION

Hoga Castings
Site No. 7-54-012

Equipment

Backhoe - Case 580

Equipment Number

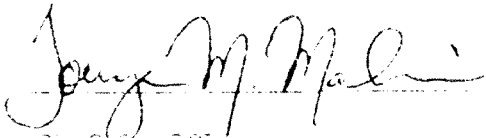
TOA CM67 - owned by Tyree Org.

Date Decontaminated

4/24/97

Procedure Used

Power-washed to remove contaminated
soil on decon. pad.


(Site Safety Officer)

CERTIFICATE OF DECONTAMINATION

Troga Center
Site No. 7340-2

Equipment

Red dump truck - owned by Ned Donaldson

Equipment Number

Date Decontaminated

4/24/97

How Decontaminated

Scraped soil in back of dump truck
to loosen soil and then power
washed truck on decon. pad.

James M. Nelson

Site Code No. <u>754012</u>	Date <u>4/23/97</u>	I.R. No. <u>30</u>	
Site Name: <u>Tioga Castings</u>	Sheet _____ of _____	AM	PM
Location: <u>McMaster St., Oneonta</u>	Weather	<u>Sunny</u>	<u>Cloudy</u>
Engineer: <u>Amar Naji</u>	Temperature	<u>40°</u>	<u>60°</u>
Contractor: <u>Tyne Organization LTD.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No ____ If no, list the deviations under Items of Concern.

Are atmospheric monitoring results at acceptable levels? Yes ____ No ____

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) Seven rolls of HDPE from Poly Flex were delivered today. They were off loaded using the fabric straps ~~attached~~ provided by the manufacturer on to used tires on the concrete slab between areas G & H. Excavation and hauling from areas B and G outside the fence continued. Lopeka delivered common fill for area H. It was not yet placed. The land fill was graded and compacted. Fagan Engineers performed compaction tests in the land fill.

(PM) Work in areas B & G continued. The land fill grading and compaction continued. The HDPE rolls were covered with black 12 mil poly. The water wagon was used to reduce dust. Fagan Eng. performed compaction tests in the land fill. The land fill was recovered with poly. Security fencing was checked and repaired.

Site Visitors	Representing	Entered exclusion zone

4-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: M.E. Donaldson worked from 7:00 to 5:00Subcontractor B: Onsite Env. Serv. worked from 7:00 to 5:00Lifestyles

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy trailer	1				Equip. Op.	2	1	
Backhoe	1				Truck Driver			1
Track Excavator	1				Laborer			
Dump truck	1	1			Security	1		
Roller	1			1				
Rock truck	1							
Water wagon	1							

Prime Contractor worked from 7:00 to 5:00

Comments: Topsoil and common fill submittals have been approved by Amer. Negi. I agree that these materials will be acceptable for the site uses.

HDPE Rolls Numbers - 23' x 400' 60mil Date 4-18-97
60-6-97-0256-4 #60-6-97-0253-4
0255-4 0252-4
0257-4 0254-4
0251-4

Items of concern:

Attachments to this report:

Inspector's Name (Print): John A. MayInspector's Signature: John A. MayDate: 4/23/97

Reviewed by:

Date:

Site Code No. <u>754012</u>	Date <u>4/22/97</u>	I.R. No. <u>29</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather <u>3</u>	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amas Nogi</u>	Temperature	<u>40°</u>	<u>60°</u>
Contractor: <u>Tyree Organization, Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The contractor excavated contaminated soil from area "B". Three large, 1 cu yd., blocks of concrete were uncovered and removed. They were trailered to the decon pad, deconed with a pressure washer and stockpiled with other debris within the building footprint. An old concrete wall and slab were also found and left in place. Fogus Engineers took compaction tests in the center of the landfill. 6th lift.

(PM) Work in area "B" continued. Excavation in the area outside of the fence as part of G started. One foot in depth. Lopke delivered common fill for area G. It was stockpiled not placed. Grading and compaction of the contaminated material hauled to the landfill continued. The water wagon was used to reduce dust. The landfill was recovered and security fences ~~checked~~ checked and repaired.

Site Visitors

Representing

Entered exclusion zone

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: M. E. Donaldsonworked from 7:00 to 5:00Subcontractor B: Onsite Env. Serv.worked from 7:00 to 5:00Lifestyles7:00 5:00

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Limbo truck	1				Equip. Op.	2	1	
Dump truck	1	1			Labrers			
Dozer	1				Truck Driver			1
Track Excavator	1				Security	1		
Roller	1			1				
Backhoe	1							
Rack truck	1							
Water wagon	1							

Prime Contractor worked from 7:00 to 5:00

Comments: Fagan Engineers - Field Technician on site
performing compaction tests.
Common fill from Lopee was approved by
Amar Negi for G, H, and land fill. & agree.

Items of concern: The existing fence and gates in areas
B, G & H have been damaged. Repairs will be
made by the contractor. No topsoil approved
yet.

Attachments to this report:

Inspector's Name (Print): John A. MayInspector's Signature: John A. MayDate: 4/22/97

Reviewed by:

Date:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>734012</u>	Date <u>4/21/97</u>	I.R. No. <u>28</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>4</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>40°</u>	<u>60°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

PAIP The excavation in Area "H" was finished this morning. The contaminated material was hauled onto the landfill, graded & compacted. The Tyree dump truck was loaded onto the lowboy and trailered to the decan pad. It was pressure washed on the pad.

PNT The N.E. Donaldson dump truck was trailered from the landfill to the decan pad and pressure washed. The decan water was pumped into the poly tank. The track excavator was moved to area "B" on the lowboy trailer. Excavation in area "B" began. The backhoe was used to excavate the area south of the fence in "H". This was a thin strip along the road only 6" deep. The landfill was covered and the security fences checked & repaired.

Site Visitors	Representing	Entered exclusion zone
<u>Gary Robinson</u>	<u>NYS DOH</u>	<u>Yes</u>

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: N.E. Donaldsonworked from 8:00 to 5:00Subcontractor B: Onsite Env. Serv.worked from 8:00 to 5:00C: Lifestyles8:00 5:00

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy trailer	1				Equip. Op.	2	1	
Dump truck	1	1			Operator			
Track excavator	1				Truck Driver			1
dozer	1				Labors			
Roller	2				Security	1		
Backhoe	1							
Water wagon								

Prime Contractor worked from 8:00 to 5:00

Comments: I have listed the 2nd dump truck on site as being owned by Onsite Env. Serv. It is in fact owned by N.E. Donaldson.

Items of concern: Topsoil, Comm. fill not yet approved

Attachments to this report:

Inspector's Name (Print): John A. MayInspector's Signature: John A. MayDate: 4/21/97

Reviewed by: _____

Date: _____

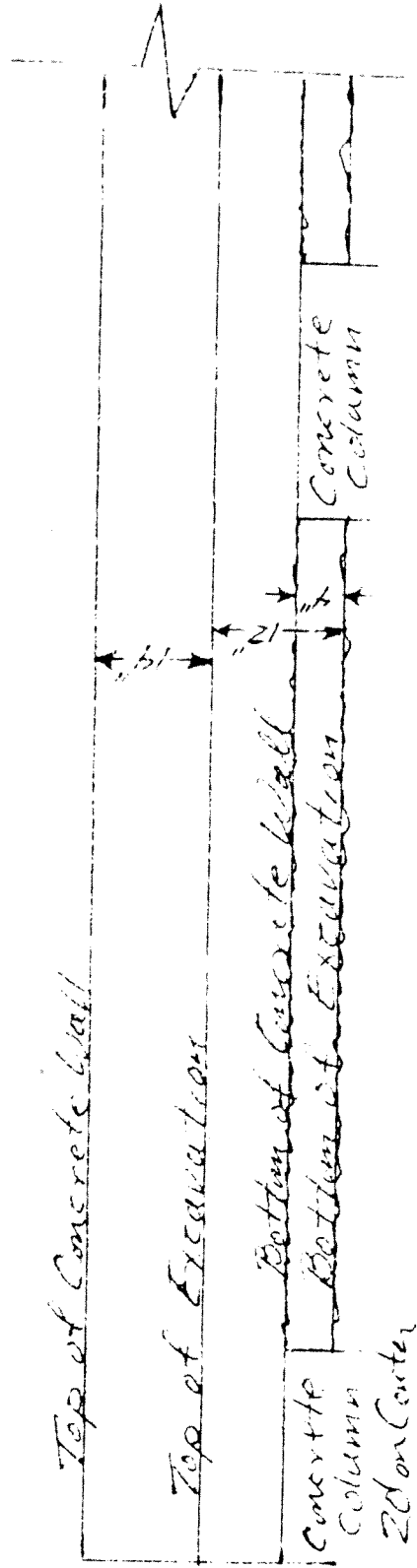
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT
ADDITIONAL COMMENTSSupplement to Report No. 28
Site Code No. 754012Dated 4/21/97
Site Name Tioga Castings

Gary Robinson from NYS DOH visited the site this afternoon. He looked at areas G & H. He paid particular attention to the type of material remaining under the concrete at the North side of G and the East side of H. I gave him a copy of the minutes for Progress Meeting No. 2. He also asked for and recieved copies of the analytical data for the verification samples taken in Feb. and May.

The attached sketch shows that the bottom of the concrete wall on the North side of G rests on concrete columns. The excavation bottom is lower, ~~than this~~ Therefore 4"+ of material below the wall is visible. It appears to be gravel & foundry sand.

On the East side of area H is a concrete slab 4"-6" thick. The excavation depth is 12" to 24". The material below this slab appears to be all foundry sand and slag.

Woga Castings Area "C" Looking North



TPM
4/2/97
Not to scale

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>4/18/97</u>	I.R. No. <u>27</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St.</u>	Weather	<u>cloudy</u>	
Engineer: <u>Amar Nagi</u>	Temperature	<u>40°</u>	
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period: The contractor regraded & compacted common fill in area "D". Contaminated material from area "H" was excavated. It was hauled to the landfill, graded and compacted. Fagan Engineers performed compaction tests on yesterday's landfill lifts. All achieved compaction of 90%. Area "D" was retested for compaction and a sand cone test also performed. The surveyors did a topo in area "H". The landfill was rechecked, debris pad covered, security fences check and repairs made. Lapke delivered common fill for area "C", but it was not placed or graded. The scrap metal roll off was removed from the site to Weitsman's yard.

Site Visitors	Representing	Entered exclusion zone
<u>Bob Taylor</u>	<u>Southern Tier Resources</u>	<u>No</u>

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env. Serv. worked from _____ to _____
 Subcontractor B: M.E. Donaldson worked from _____ to _____
C.E. Lifestyles Williams & Edsall

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>Lowboy trailer</u>	<u>1</u>				<u>Equip. Op</u>	<u>2</u>		<u>1</u>
<u>Dump truck</u>	<u>1</u>	<u>1</u>			<u>Truck Driver</u>		<u>1</u>	
<u>Dozer</u>	<u>1</u>				<u>Surveyor</u>			
<u>Track Excavator</u>	<u>1</u>							
<u>Roller</u>	<u>2</u>							
<u>Rock truck</u>	<u>1</u>							
<u>Backhoe</u>	<u>1</u>							

Prime Contractor worked from _____ to _____

Comments: Fagan Eng. Technician on site performing compaction tests.

Bob Taylor was on site to look at the stumps. He said the landfill, Seneca Meadows, needed a certificate from the DEC that the stumps were not contaminated.

Items of concern: Topsoil, common fill not yet approved
I don't think the DEC can produce a certificate saying the stumps are not contaminated.

Attachments to this report: _____

Inspector's Name (Print): John A. May

Inspector's Signature: John A. May

Date: 7/18/97

Reviewed by: _____

Date: _____

Site Code No. <u>754012</u>	Date <u>4/17/97</u>	I.R. No. <u>26</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>Showers</u>	<u>Showers</u>
Engineer: <u>Aman Nayi</u>	Temperature	<u>45°</u>	<u>40°</u>
Contractor: <u>Tyree Organization, Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) Contaminated material was excavated from area "H". It was trucked to the landfill, graded & compacted. The empty drums were decontaminated, crushed and loaded into the rolloff. No need for dust control due to light showers.

(PM) Additional common fill delivered by hopper for area "D". The excavation of area "H" continued as did the landfill grading and compaction. The remaining metal hardware was removed from the damaged utility poles and placed in the rolloff. The landfill was recovered & security fences repaired.

Site Visitors	Representing	Entered exclusion zone
<u>Gary Robinson</u>	<u>NYS DOH</u>	<u>No</u>

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env. Serv.

worked from _____ to _____

Subcontractor B: N.E. Donaldson

worked from _____ to _____

C: Lifestyles

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Lowboy trailer	1				Equip. Op.	2		1
dump truck	1	1			Truck Driver		1	
Rock truck	1				Laborer			
dozer	1							
backhoe	1							
track excavator	1							
Roller	2							
Water wagon				1				

Prime Contractor worked from _____ to _____

Comments: I stopped at RMS Gravel in Dryden. I met with Roy Reeves & Brian Barnes. Brian, Atlantic Testing, performed a gradation on the Stone Filling. It appears to meet specs. He also collected rescreened topsoil samples for gradation testing in their lab.

Gary Robinson was on site early PM. He had questions regarding the depth of excavation in "6". He asked for the sampling data. He will contact Amer.

Items of concern: Common fill, topsoil, Area "6" DOH concerns.

Attachments to this report:

Inspector's Name (Print): John A. MayInspector's Signature: John A. MayDate: 4/17/97Reviewed by: [Signature]

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Site Code No. <u>954012</u>	Date <u>4/16/97</u>	I.R. No. <u>25</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Partly Cloudy Sunny</u>	
Engineer: <u>Aman Nayi</u>	Temperature	<u>45°</u>	<u>65°</u>
Contractor: <u>Tree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The contractor excavated the North portion of area "H". The depth of excavation is 1'. This material was hauled on to the landfill, graded and compacted. Common fill was graded and compacted in area "D". The 3rd lift of fill in "E" was watered and compacted. Fagan Engineers took compaction tests in "D" & "E".

(PM) Excavation in area "H" continued. The 4th lift in the middle of the landfill was graded & compacted. It was tested for compaction by Fagan and passed. The water wagon and treadle machine was used to reduce dust. The landfill was recovered and security fences reinstalled.

Site Visitors	Representing	Entered exclusion zone

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Environmental worked from _____ to _____

Subcontractor B: N.E. Donaldson worked from _____ to _____

C: L.H. Styles

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Track Excavator	1				Equip. Op.	2	3	1
Dozer	1				Track Driver		1	3
Roller	2				Labors			
Dump truck	1	1						
Backhoe	1							
Back truck	1							
Lowboy trailer	1							
Water wagon	1							

Prime Contractor worked from _____ to _____

Comments: I gave a copy of the Tingo Castaways topo survey map showing the location of NYSDOT P.E. Map 46, Parcel 62 to Dennis Cohen, NYSDOT Resident Engineer.

Items of concern: Approved Fill & topsoil.

Attachments to this report:

Inspector's Name (Print): John A. May

Inspector's Signature: John A. May

Date: 4/16/97

Reviewed by: _____

Date: _____

DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>4/15/97</u>	I.R. No. <u>24</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>3</u>	AM	PM
Location: <u>McMaster St. Owego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nagi</u>	Temperature	<u>30°</u>	<u>60°</u>
Contractor: <u>Tree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) Area "G" was excavated to a depth of one foot. The contaminated material was hauled over area H to the landfill graded and compacted. Lopke delivered additional soil to "C", "D" and "E". The water wagon was used to reduce dust on the haul road. The surveyors ~~checked~~ did a topo on the Eastern portion of area "G" that had already been excavated $2\frac{1}{2}$ foot deep.

(PM) The excavation in area "G" was completed. Some large concrete shapes were left in the excavation rather than digging them out. The backfill of "C" and "D" was completed. The third lift of fill in the East portion of "E" was completed. The water wagon was again used for dust control. The pressure washer was attached to spray on the haul road through "H". The landfill was recovered & security fences checked.

Site Visitors	Representing	Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: Onsite Env. Serv. worked from 7:00 to 4:00
 Subcontractor B: Lifestyles worked from 7:00 to 4:00
C: N.E. Donaldson

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B	C
Office Trailer	1				Superintendent	1			
Lowboy trailer	1				Equip. Op.	2			1
Dozer	1				Truck Driver		1		
Track Excavator	1				Laborer			2	
Roller	2				Security	1			
Backhoe	1								
Water wagon	1								
Dump Truck	1	1							
Rock truck	1								

Prime Contractor worked from 7:00 to 4:00

Comments: Williams & Edsall - 2 surveyors on site from 11:00 until 12:30. The superintendent gave me copies of the air monitoring & security logs from 3/24 until 4/14. & gave Tonya Markowski the revised limits of excavation for area "H." These are based on my direction from Anna Magi.

Items of concern: Approval of fill and topsoil.

Attachments to this report: Revised Area "H" excavation limits.

Inspector's Name (Print): John A. May
 Inspector's Signature: John A. May Date: 4/15/97
 Reviewed by: _____ Date: _____



U.S. DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Williams & Edsall Surveyors worked from 11:30 to 1:00
Subcontractor B: Fagan Engineers worked from 1:00 to 5:00

[illegible]

Prime Contractor worked from 10:00 to 4:30

Comments: I recieved a submittal for the office trailer.

I recieved a CAP for work ending
2/20/97

Items of concern: Office trailer submitted - 8' not 10' wide as per contract.

Attachments to this report:

Inspector's Name (Print): John A. Mc

Inspector's Signature: [Signature]

Reviewed by:

Date: 3/11/97

Date:

Site Code No. <u>754012</u>	Date <u>Feb. 20, 1997</u>	I.R. No. <u>7</u>
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>3</u>	AM <input type="checkbox"/> PM <input type="checkbox"/>
Location: <u>McMaster St., Oneida</u>	Weather <u>Sunny</u>	
Engineer: <u>Aman Napi</u>	Temperature <u>30°</u>	<u>40°</u>
Contractor: <u>Three Organization</u>	Wind (Dir./Vel.)	
Job Phone: <u>(315) 427-7333</u>		

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☐ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

The prime contractor took additional pre excavation soil samples. The samples were collected with a hand auger. Concrete and asphalt ~~area~~ was broken up with a 90 lb jackhammer. Temporary decon station and sample prep. areas were set up East of area H and West of area D. Decon water, disposal sampling equipment & PPE was stored in contractor's drums on site. Friends Lab carrier on site to pick up samples at 2:00 PM.

Site Visitors

Representing

Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: _____ worked from _____ to _____
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
5-ton Van	1				Project Super	1		
with air compressor					Truck Driver	1		
90 lb jackhammer	1							
hand auger	1							

Prime Contractor worked from _____ to _____

Comments: Samples taken - (D-6-C) (2'-6") 15' South of D-6-B, (H-4-C) (12"-18") at location of H-4-B, (H-4-D) (2'-6") 15' E. of H-4-B(c), 4" concrete broken first, (G-1-C) (2'-6") 7' North of G-1-B below 4" concrete, (G-2-C) (12"-18") at G-2-B, (G-2-D) (2'-6") 15' E. of G-2-B(c), below 4" asphalt, (B-1-C) (12"-18") at B-1-B location, (B-1-D) (2'-6") 15' SW of B-1-B(c), (B-3-C) (12"-18") at B-3-B location, (B-3-D) (2'-6") 10' N.E. of B-3-B(c). Hand auger was not effective grabbing soil sample at G-5 36-42"

Items of concern: Attached memo from Tonya Mankowski to Amar Nagi & P. Contractor ~~did~~ did not plan on ~~supplying~~ supplying the DEC with computer, printer & trailer after project completion.

Attachments to this report: _____

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Reviewed by: _____

Date: 2/20/97

Date: _____

MEMORANDUM

DATE: February 19, 1997
TO: Amar Nagi, NYSDEC, Albany, NY
John May, NYSDEC, Syracuse, NY
FROM: Tonya Mankowski, Tyree Organization
RE: Miscellaneous Questions
Tioga Castings Project, NYSDEC Site No. 7-54-012

At your earliest convenience, please respond to the following questions:

- 1) Can decontamination water generated during this project be disposed of in the on-site landfill along with disposal of decon. water included in the specifications (Section 02222, page 4)?
- 2) Can personal protective equipment (PPE) generated during this project and 1 drum of PPE, generated previously (Section 02222, page 4), be disposed of in the on-site landfill?
- 3) Are we required to collect samples from each fill type and analyze for the full ASP list or target metals only (Cd, Cr, & Pb), Section 02220, page 2?
- 4) Are we required to run sieve analyses for each fill type or is a certification letter from supplier sufficient?

Thank you.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 VISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>Jan. 23, 1997</u>	R. No. <u>6</u>
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>3</u>	AM <input type="checkbox"/> PM <input type="checkbox"/>
Location: <u>McMaster St., Oswego</u>	Weather <u>Snow Flurries</u>	
Engineer: <u>Aman Nagi</u>	Temperature <u>30°</u>	<u>25°</u>
Contractor: <u>Tyree Organization</u>	Wind (Dir./Vel.)	
Job Phone: <u>(315) 427-7333</u>		

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☐ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

AM. The prime contractor took additional soil samples at an increased depth of 10'-15' out from the original locations due to reported results exceeding cleanup goals. See attached sheet for sample numbers and approx locations.

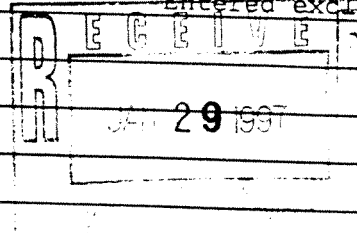
Both Time Warner Cable Co. and NYSEG field reps were on site. The Time Warner rep. looked at the cable over cross G&H. They may relocate them. The NYSEG field rep. had questions about the ownership of the poles and hardware. He will have someone from their engineering group contact us.

The sampling equipment was decommissioned between sample collections at the end of the day. The decon water PPE were stored in drums on site.

Site Visitors

Representing

Entered exclusion zone



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT
ADDITIONAL COMMENTS

Supplement to Report No. 6Dated 1/23/97Site Code No. 754012Site Name Tioga Castings

Sample	Location
AM. D6B	15' S of D-6 2"-6" deep
B1B	15' SW of B-1 " "
B2B	" SE of " 2 " "
B3B	15' NE " B-3 " "
B5B	Center of area B 24"-30" deep.
A1B	15' N of A1 2"-6" deep
A2B	" E of A2 " "
X9B	24"-30" deep at X9 location
H5B	12"-18" deep at H5 "

I took a split sample of D6B

PM. H14-B	24"-30" deep at H14 location
H4-B	13' E of H-4 2"-6" beneath concrete - concrete 6"-8" thick.
H3-B	15' N.E. of H-3 2"-6" beneath concrete.
H12-B	24"-30" deep at H12
H1B	15' N of H-1 2"-6" deep
G2B	15' E of G-2 " " beneath asphalt
G1B	" N of G-1 " " " concrete
G5B	24"-30" deep at G5 location.

I took a split sample of G5B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

RECEIVED
 1/14/98

Site Code No. <u>754012</u>	Date <u>Jan. 6, 1998</u>	I.R. No. <u>5</u>	
Site Name: <u>Tiega Castings</u>	Sheet <u> </u> of <u> </u>	CAM <u> </u>	PM <u> </u>
Location: <u>McMaster St., Oswego</u>	Weather <u>Snow Flurries, Cloudy</u>		
Engineer: <u>Amur Napi</u>	Temperature <u>25°</u>	<u>25°</u>	
Contractor: <u>Tyree Organization LTD</u>	Wind (Dir./Vel.) <u> </u>		
Job Phone: <u>(315) 427-7333</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes No If no, list the deviations under Items of Concern.

Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

AM. The Griffin Ind. vac truck was hooked to the front of the FCC tank trailer. A hose was then run from the back of the trailer into the septic tank. The septic tank sludge was then vacuumed into the tanker without contaminating the vac truck. The sludge was drier & heavier than expected.

PM. 12:00 Two concrete ready mix trucks on site.

1:15 Septic tank cleaning done. Tank dimension approx. 6'x6'x8'. One length vac. hose decomed - 50 gal water. Vaced into tanker.

1:45 11 Cu Yds concrete run into septic tank.

Estimated volume by looking into tank + trailer 1700 gal ±.

Work completed by 3:00 PM.

Site Visitors Representing Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: Griffin Industries worked from 8:30 to 2:30
 Subcontractor B: Freehold Cartage Co. worked from 8:30 to 2:30

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Van</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>Van truck</u>		<u>1</u>			<u>Truck Driver</u>		<u>1</u>	<u>1</u>
<u>Semi-tanker</u>			<u>1</u>					

Prime Contractor worked from 9:00 to 3:00

Comments: Pay Item 13A Septic Tank Contents
1700 gals ± hauled offsite
13B Septic Tank Closure
11 Cu yds 2500lb concrete

Items of concern:

Attachments to this report: S&W Waste Inc - Land Disposal Not & Cert.
New Jersey Haz Wst Manifest, Barney & Dickenson Concrete
Delivery Tickets - 2

Inspector's Name (Print): John A May
 Inspector's Signature: John A May Date: 1/6/97
 Reviewed by: _____ Date: _____

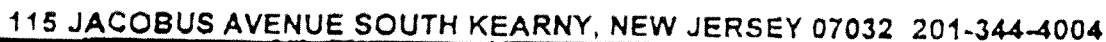


**State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625**

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 3-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJD054124158119		Manifest Document No. 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address New York State Department of Environmental Conservation 619 West Broadway, Albany, NY 12233-1010						A. State Manifest Document Number NJA 1493181											
4. Generator's Phone 518-487-2265						B. State Generator's ID 1493181											
5. Transporter 1 Company Name Freehold Cartage, Inc.						C. State Trans. ID 56178											
6. US EPA ID Number NJD054126164						D. Transporter's Phone 784-62-1201											
7. Transporter 2 Company Name						E. State Trans. ID											
8. US EPA ID Number						F. Transporter's Phone											
9. Designated Facility Name and Site Address SW Waste, Inc. 1500 Route 1 Freehold, NJ 07728						G. State Facility's ID 015134											
10. US EPA ID Number NJD991391125						H. Facility's Phone 201-344-4004											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. X RC 122 - Waste Liquid ACS						No.		Type									
b. 2 NA558																	
c. 2 NA558																	
d. 2 NA558																	
J. Additional Descriptions for Materials Listed Above E/L 10-15% Total Solids						K. Handling Codes for Wastes Listed Above SW App. 015134(a) 006											
a. 0-15% Free Liquids, 0-15% Solids																	
b. 0-15% Free Liquids, 0-15% Solids																	
15. Special Handling Instructions and Additional Information (a) 0-15% Suspended Solids																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. Tax exempt for manifest purpose only If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name John A May						Signature John A May				Month Day Year 01/06/91							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Timothy B. Gable				Signature Timothy B. Gable				Month Day Year 01/06/91			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name						Signature				Month Day Year							



LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

PAID #

Manifest No.

1 "If the waste(s) is subject to any California List Restrictions enter the letter from page 2 (either A, B1, B2, B3, C, OR D) next to each restriction that is applicable and also list the applicable approval code number(s)."

Add Code

HOC'S

App. C.11

PCB-8

App. C cont.

Mark

See reverse for California List Restrictions

2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. and ENYCRF 378. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no sub-category. Also check which treatment standards apply. If spent solvent waste codes are listed on this form (F001, F002, F003, F004, F005) please refer to the instructions on the reverse (top) of this page. If D001, D002, D012 through D043, or F039 codes apply (except for D001, Ignitable Liquid, High Toc), complete pages 3 and 4 of this form.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

SIGNATURE

TITLE *Beau Lucey*
Artist Director

DATE

Barney & Dickenson, Inc.

READY MIXED CONCRETE
WA 3 SAND & GRAVEL
CRUSHED GRAVEL

520 PRENTICE ROAD
VESTAL, N.Y. 13850
(607) 729-1536

1-800-628-2058

ROUTE 17C
OWEGO, N.Y.
(607) 687-4102

WILL BE INVOICED FOR THIS PURCHASE ON IF COLLECTION PROCEEDINGS BECOME NECESSARY.
1st OF THE FOLLOWING MONTH. A FINANCE THE CUSTOMER SHALL BE RESPONSIBLE FOR ANY LEGAL
CHARGE OF 1 1/2% WILL BE ADDED TO YOUR BILL FEES AT THE MINIMUM RATE OF 30% IN ADDITION TO
1 MONTH YOUR BALANCE REMAINS OVER COST ALLOWANCES AND DISBURSEMENTS.
ANNUAL RATE 18%

NOTES: READY MIX CONCRETE SHOULD NOT BE HANDLED OR USED BY INEXPERIENCED PERSONS.
THE SELLER ASSUMES NO RESPONSIBILITY FOR USE OF ABOVE MATERIALS AFTER DELIVERY TO THE JOB.
PORTLAND CEMENT AND/OR CALCIUM CHLORIDE LIQUID INGREDIENTS: CALCIUM SILICATES ALUMINATES,
FERRITES, GYPSUM. EFFECTS OF EXPOSURE TO CEMENT: EYE AND SKIN IRRITATION.

FIRST AID PROCEDURE: FLUSH THOROUGHLY WITH WATER. SEEK MEDICAL ATTENTION WHEN IRRITATION
CONTINUES.

**PROTECTIVE COVERING MUST BE WORN WHILE
HANDLING CONCRETE**

Tyres Organisation
Tioga Foundry

VER TO:
FF
Y SOLD TO

PO# CT 17652

Dave

DRIVER

PLEASE MAKE ANY COMMENTS CONCERNING ANY IRREGULARITIES REGARDING THE CONCRETE POUR ON THE REVERSE SIDE OF THIS TICKET

WARNING:

Due to the present temperature of 70°. This concrete may become perishable unless protected correctly for 28 days.

OW 11975

A
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- 1.) NO CANCELLATIONS ACCEPTED AFTER CONCRETE HAS BEEN LOADED AT OUR PLANT.
- 2.) UNLOADING TIME: 10 MINUTES PER CU. YD.
- 3.) ADDITIONAL CHARGES MAY BE MADE ON:
 - A.) WAITING TIME
 - B.) OVERTIME
 - C.) DIFFICULT POURS
 - D.) TRAVEL
 - E.) HEAT
 - F.) ADDITIVES
- 4.) MINIMUM DELIVERIES (UNDER 3 CU. YDS.)
- 5.) WE WILL NOT ASSUME ANY RESPONSIBILITY FOR DAMAGE BY OUR TRUCKS BEYOND THE STREET PAVEMENT AT THE CUSTOMER'S AND/OR CONTRACTOR'S DIRECTION.
- 6.) ALL DELIVERIES ARE MADE AT THE RISK OF THE CUSTOMER AND/OR CONTRACTOR.
- 7.) CUSTOMERS WILL BE CHARGED FOR ANY DAMAGE TO TRUCKS CAUSED BY PULLING OR DRAGGING TRUCKS.
- 8.) THE P.S.I. STRENGTH SHOWN ON THIS TICKET IS ESTIMATED ON A 4" SLUMP - THE FINAL STRENGTH IS CONTINGENT UPON STRICT ADHERANCE TO ALL A.S.T.M. SPECIFICATIONS FOR PLACING & CURING.

A
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TOTAL
CUBIC
YARDS

6

MIX

2500

CONCRETE	\$	
ADDITIVES	\$	
HEAT	\$	
TRAVEL	\$	
OVERTIME	\$	
WAITING	\$	
WINCH TRUCK	\$	
TOTAL	\$	

EM-2 1266 LB

GT 1 744 GL

DX 1 150 07

EG 4 3400 LB

EG 1 9800 LB

EM-2 1266 LB

TIME DATE

1:49:20 01/06/96

END TARES

AGG 20

CEM

09

SIGNATURE

I HAVE READ THE CONDITIONS ABOVE AND HEREBY ACCEPT THIS LOAD

CUSTOMER

520 PRENTICE ROAD
VESTAL, N.Y. 13850
(607) 729-1536

1-800-626-2058

ROUTE 17C
OWEGO, N.Y.
(607) 687-4102

YOU WILL BE INVOICED FOR THIS PURCHASE ON THE 1st OF THE FOLLOWING MONTH. A FINANCE CHARGE OF 1 1/2% WILL BE ADDED TO YOUR BILL EACH MONTH YOUR BALANCE REMAINS OVER THE ANNUAL RATE 18%.

IF COLLECTION PROCEEDINGS BECOME NECESSARY, THE CUSTOMER SHALL BE RESPONSIBLE FOR ANY LEGAL FEES AT THE MINIMUM RATE OF 30% IN ADDITION TO COST ALLOWANCES AND DISBURSEMENTS.

NOTICE: READY MIX CONCRETE SHOULD NOT BE HANDLED OR USED BY INEXPERIENCED PERSONS. THE SELLER ASSUMES NO RESPONSIBILITY FOR USE OF ABOVE MATERIALS AFTER DELIVERY TO THE JOB.

PORTLAND CEMENT AND/OR CALCIUM CHLORIDE LIQUID INGREDIENTS: CALCIUM SILICATES ALUMINATES, FERRITES, GYPSUM. EFFECTS OF EXPOSURE TO CEMENT: EYE AND SKIN IRRITATION.

FIRST AID PROCEDURE: FLUSH THOROUGHLY WITH WATER. SEEK MEDICAL ATTENTION WHEN IRRITATION CONTINUES.

PROTECTIVE COVERING MUST BE WORN WHILE HANDLING CONCRETE

Tyree Organization
Tiooga Foundry

OWEGO

DELIVER TO:
OFFICE:
CONCRETE SOLD TO:

TOTAL
CUBIC
YARDS

12 yds

MIX 2500#

CONCRETE	\$	
ADDITIVES	\$	
HEAT	\$	
TRAVEL	\$	
OVERTIME	\$	
WAITING	\$	
WINCH TRUCK	\$	
TOTAL	\$	

PLEASE MAKE ANY COMMENTS CONCERNING ANY IRREGULARITIES REGARDING THE CONCRETE POUR ON THE REVERSE SIDE OF THIS TICKET.

WARNING:

Due to the present temperature of ____ This concrete may become perishable unless protected correctly for 28 days.

EM-2 1253 LB

AT-1 150 LB

OG-1 150 LB

SG-4 3440 LB

SG-1 9880 LB

EM-2 1253 LB

TIME 1:58:08

DATE 01/06/96

END TARES

CUSTOMER

SIGNATURE

I HAVE READ THE CONDITIONS ABOVE AND HEREBY ACCEPT THIS LOAD

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>12/20/96</u>	I.R. No. <u>4</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Corvo</u>	Weather <u>Sunny</u>		
Engineer: _____	Temperature <u>19°</u>		
Contractor: <u>Tyree Organization, Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(315) 427-7333</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

Sampling continued today in the area East of the landfill. Both concrete and asphalt were encountered at some of the sampling points. The geoprobe was used in these locations. The concrete was drilled with the probe hammer 8"±. Then a soil sample taken. ~~Then a~~ The area near RR points H & G was sampled late in the A.M.

The temporary decom pad & sampling prep area was located at the West portion of the former building floor.

Waste poly, PPE, and excess sample dirt was placed in a poly bag. This bag and the decom water was placed in a 55 gal drum located with the other drums of drill cuttings etc.

Sampling completed by 12:00.

Site Visitors	Representing	Entered exclusion zone
<u>Amar Negi</u>	<u>NYSDEC</u>	

DI ION OF HAZARDOUS WASTE REMEDIA N
" INSPECTOR'S DAILY REPORT

Subcontractor B: _____ worked from _____ to _____

Peter Geoprobe
hard augers

Superintendent	1
Env. Tech	2

Items of concern:

Inspector's Name (Print): John A. Moore

Date: 12/20/96

Date: 7/1

DIVISION OF HAZARDOUS WASTE REMEDIATION INSPECTOR'S DAILY REPORT

Site Code No.	754012	Date	12/19/96	I.R. No.	3
Site Name:	Tioqa Casting	Sheet	1 of 2	AM	PM
Location:	McMaster St., Owego	Weather	Snow		
Engineer:		Temperature	30°	28°	
Contractor:	Tyree Organization, Ltd.	Wind (Dir./Vel.)	RECEIVED		
Job Phone:	(315) 427-7333				

Health & Safety:

Level of protective clothing used:

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.

Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

The project superintendent and two environmental technicians took the pre remediation soil samples from the center line and sides of areas B, C, and D in the morning. The samples were collected using a geoprobe unit on a pickup truck or with hand augers in areas where the access was limited. A temporary decan pad and sample prep area was set up on poly near the RR soil sample point at D.

In the afternoon soil samples from the areas near sampling points I & F were taken. The sample prep & temp. decan pad was set up near I . The operation was then moved outside the fence and samples were taken at area A.

A rep. from Friend's Lab, Waukegan, Ill., picked up the soil samples at 3:45.

Waste poly, PPE, & excess sample dirt, was ~~placed~~ placed in a ~~poly bag~~ ^{poly bag} ~~Entered exclusion zone~~ and then stored in a 55 gal. drum near the project drill cuttings. The decan. water was also stored in this drum.

Locks were cut from the gates at the S.E. corner of the land fill & the gate at point H.



DIVISION OF HAZARDOUS WASTE REMEDIATION INSPECTOR'S DAILY REPORT

Subcontractor A: _____ worked from _____ to _____

Subcontractor B: _____ worked from _____ to _____

[illegible]

Prime Contractor worked from 7:00 to 4:00

Comments: New locks were installed & one key given to me. Master lock 0745.

Items of concern: Survey monuments.

Attachments to this report:

Inspector's Name (Print): John A May

Inspector's Signature: John A. Wallace

Date: 12/19/96

Reviewed by:

Date: 7/7

DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

RECEIVED

Site Code No. <u>754012</u>	Date <u>Dec. 18, 1996</u>	I.R. No. <u>2</u>
Site Name: <u>Tioga Casting Site</u>	Sheet <u>1</u> of <u>2</u>	AM CONST. <input type="checkbox"/> PM <input type="checkbox"/>
Location: <u>McMaster St., Owego</u>	Weather <u>Cloudy, Showers</u>	
Engineer: <u>Amar Nagi</u>	Temperature <u>40°</u>	<u>40°</u>
Contractor: <u>Tyree Organization, Ltd.</u>	Wind (Dir./Vel.)	
Job Phone: <u>(315) 4277333</u>		

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

The prime contractor site super oversaw survey work performed by the sub.

The surveyors used MW#3 and the coordinate system to locate the corners of the excavation areas. These corners were staked out.

I got a copy of NYSDOT Spec. 626 from the Resident Engineer in Owego. I picked up a copy of the appropriate standard sheet from the DOT Reg. 9 survey office. I gave both to Tonya.

Amar Nagi stopped on site in the afternoon.

Area "C" still a problem. I talked to Tim Moras for some help finding the sampling point. After reviewing the original field notes he gave me the info & I passed it on to the contractor. Area "C" was then also staked out.

Tim McClusky, neighbor, stopped on site. He owns the auto haulers. They will be gone soon.

Site Visitors	Representing	Entered exclusion zone
Amar Nagi	NYSDOC	No
Tim McClusky	neighbor	No

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Williams & Edsall worked from 9:00 to 4:00
Subcontractor B: _____ worked from _____ to _____

[illegible]

Prime Contractor worked from 9:00 to 4:00

Comments: Sampling point & midpoint of area "C" excavation — 27' South of tree line / possible property line and 102' East of Tioga Casting fence corner. This information given to me by Jim Moros by telephone and passed on to contractor verbally.

Items of concern: Trees in Area "C". Survey monuments,
Location & DOT Spec?

Attachments to this report:

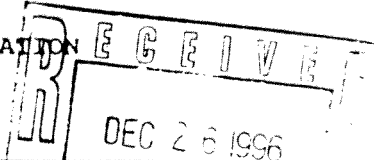
Inspector's Name (Print): John A. M...

Inspector's Signature: John A. Mac

Date: 12/18/96

Reviewed by:

Date:



Site Code No. <u>754012</u>	Date <u>Dec 17, 1996</u>	I.R. No. <u>1</u>
Site Name: <u>Troja Casting Site</u>	Sheet <u>1</u> of <u>2</u>	CONST. <input type="checkbox"/> AM <input type="checkbox"/> PM
Location: <u>McMaster St., Owego</u>	Weather: <u>Cloudy, Drizzle</u>	
Engineer: <u>Amar Nagi</u>	Temperature: <u>40°</u> <u>42°</u>	
Contractor: <u>Tyree Organization, Ltd.</u>	Wind (Dir./Vel.):	
Job Phone: <u>(315) 427-7333</u>		

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

AM. The prime contractor's site superintendent, Tonya Mankoski, and the surveyor did a preliminary stakeout of the areas to be sampled and excavated.

I picked up two keys to the front gate from the Village police station. They were left by Patricia Sweet. I gave one to the site superintendent.

PM. The Underground Utility Rep. marked out a telephone line from a pole to the School.

The NYSEG field rep. marked out a gas line South & 11 to Foundry St.

~~2 PM Amar Nagi on site.~~ Tonya took a sample of the septic tank sludge.

2 PM Amar Nagi on site. I questioned him about survey monuments & area "C".

I called Jim Moras Re: area "C".

Site Visitors	Representing	Entered exclusion zone
Amar Nagi	NYSDEC	No
Underground Utility Service		No
NYSEG - Nat. Gas Div.		No

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: Williams & Edsallworked from 9:00 to 2:00

Subcontractor B: _____

worked from 9:00 to 3:30

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Tape, wooden stakes, hammer, survey ribbon</u>					<u>Superintendent</u>	<u>1</u>		
					<u>Surveyor</u>		<u>1</u>	

Prime Contractor worked from 9:00 to 3:30

Comments: Seven auto hauling units are being stored on site. Not a problem now but could be next Spring.

Items of concern: Two "Permanent Site Control Monuments" in place. They do not meet the specs of Sect. 01050 2.1 page 3 of the contract. One monument set on school property. Not acceptable to Amer Napi. Excavation area "C" MW #1 & sampling point C don't fit with existing conditions. Is concrete wall in the excavation area? Do the large spruce trees come down?

Attachments to this report: _____

Inspector's Name (Print): John A MayInspector's Signature: John A MayDate: 12/17/96

Reviewed by: _____

Date: _____

APPENDIX C

MEETING MINUTES

**TIOGA CASTING SITE, OWEGO
SITE NO. 7-54-012
TIOGA COUNTY**

SUBSTANTIAL COMPLETION MEETING

Date: June 25, 1997

Place: Job Site

Contractor: Tyree Organization, Ltd [TOL],
Brookfield, Connecticut

Attendees: Amar Nagi, NYSDEC
John May, NYSDEC
Hallie Vitolo, TOL
Tonya Mankowski, TOL

1. The minutes from Progress Meeting No. 6 were reviewed and approved as distributed.
2. Progress made in the last 2 weeks. TOL stated
 - . All topsoil completed.
 - . All stumps poly & PPE hauled off site & disposed of as hazardous at Model City
 - . Landfill & all disturbed areas hydro seeded, fertilized & mulched
 - . New fence and gate installed.
 - . Damaged fence & gates repaired
 - . Survey monuments installed
 - . Final topo survey performed
 - . Equipment & office trailer demobed
 - . 10'X32' trailer delivered to Saratoga
3. Schedule
 - . Project substantially complete today
4. Submittals
 - . TOL hand delivered submittals for air monitoring, survey intermediate topo, & Fagan Engineers final report.
 - . DEC has returned all submittals made by TOL to date.
 - . Outstanding submittals were discussed. TOL has yet to submit HDPE environmental stress crack test results, HDPE as built, final topo survey, final warranties, & additional soil sampling data
6. Contractor Payment Application
 - . TOL will submit it's fifth payment application next week.

7. Change orders

- . TOL's letter to the DEC dated June, 17 1997, proposes a change order for several contract items due to increased quantities and changed conditions. The DEC pointed out that the increased quantities due to the additional soil excavation had been discussed at the April 30, 1997 progress meeting. If TOL believed an increase in the Contract Price or Contract Time was justified a written notification should have been made within 3 days. Section VIII, Article 9 of the contract requires the contractor to make written notification within 3 days and provide documentation within 15 days. TOL did not notify the Dept. within the stipulated time frame for items contained in it's June 17 letter.

8. General discussion

- . DEC stated that the contract was substantially complete. A site inspection had been made and a punch list was generated. DEC requested that TOL complete these items and contact the inspector.

9. Punch list

- . Area II, vehicle ruts in vegetative layer on East side, erosion by fence on South side
- . Area I, vehicle ruts in vegetative layer
- . Area D, vehicle ruts in vegetative layer
- . Electric cable coiled but still attached to pole to be removed
- . One leg of the gate next to Area H dose not open properly
- . The submittals discussed earlier

These minutes represent our understanding of meeting proceedings and discussions. Any correction and/or comments must be identified to the Project Manager in writing within 7 days. Failure to do so shall constitute acceptance of information presented herein.

Prepared by John May
Telephone [607] 687-1158
Date June 26, 1997

Distribution

Tonya Mankowski - Tyree Organization Ltd.
Hallie Vitolo - Tyree Organization Ltd.
Gary Robinson - NYS Department of Health, Syracuse
Amar Nagi - NYSDEC, Albany
Jim Moras - NYSDEC, Albany
John May - NYSDEC

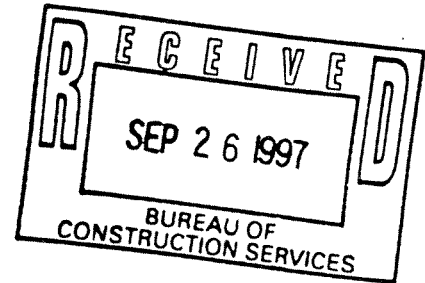
The Tyree Organization, Ltd.

125 Commerce Drive, Brookfield, CT 06804 · Fax: 203-740-8201 · Phone: 203-740-8200

August 25, 1997

Mr. Amar Nagi
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

Re: Certificate of Substantial Completion
Tioga Castings Project
Owego, New York
NYSDEC Site No. 7-54-012




Dear Mr. Nagi:

Attached please find the Certificate of Substantial Completion for the Remediation of Tioga Castings Project.

If you have any questions or concerns, please do not hesitate to contact me.

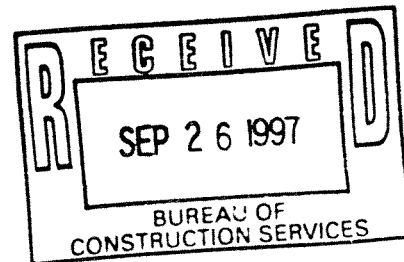
Sincerely,

TYREE ORGANIZATION, LTD.


Tonya M. Mankowski
Environmental Scientist II

Attachment

cc: John May, NYSDEC
File



Member



CERTIFICATE OF SUBSTANTIAL COMPLETION

OWNER: New York State Department of Environmental Conservation

PROJECT: Remediation Of The Tioga Castings Site
Tioga County , New York

CONTRACTOR: The Tyree Organization, Ltd.

CONTRACT: D003500

SITE NO: 7-34-012

Project or Specified Part shall include: Substantial Completion of Contract No. D003500.

Definition of Substantial Completion: Substantial Completion is defined to be the date when the Owner and the Contractor reach mutual agreement that the work is substantially complete.

Date of Substantial Completion: June 25, 1997

Written, mutual agreements upon which the date of Substantial Completion has been mutually agreed to are as follows:

1. Agreement to Substantial Completion by the Owner shall in no way affect the obligations of the contractor under the terms and provisions of the Contract with respect to uncompleted work.
2. The Contractor shall subsequently satisfactorily complete or correct all unfinished items in the work accepted by the Owner as substantially satisfactorily complete.
3. The Owner and Contractor made an inspection of the work on June 25, 1997, and, following this inspection, the Owner advised the Contractor of remaining items to be completed or corrected and provided the Contractor with the following Estimate of Work remaining. The Contractor shall endorse said Estimate of Work Remaining as evidence of agreement and provide the owner with a mutually acceptable schedule for completion of the Estimate of Work Remaining.
4. The Contractor shall provide a guarantee for all punch-list items for a period of one year from the date of final inspection.

Remediation of The Tioga Castings Site , Tioga County , New York

Estimate of Work Remaining

1. Area H, vehicle ruts in vegetative layer on East side, erosion by fence on South side
2. Area I, vehicle ruts in vegetative layer
3. Electric cable coiled but still attached to pole to be removed
4. One leg of the gate next to area H needs to be adjusted to open properly
5. The submittal of HDPE environmental stress crack test results, HDPE as built, final topo survey, final warranties, & additional soil sampling data

The estimated cost of the remaining work is \$1000.00.

COMPLETION OF SUBSTANTIAL COMPLETION

The Tyree Organization, Ltd.

By: 

Title:

Date:

Division Manager
9/25/97

New York State Department of Environmental Conservation

By:

Title:

Date:

**TIOGA CASTING SITE, OWEGO
SITE NO. 7-54-012
TIOGA COUNTY**

PROGRESS MEETING NO. 6

Date: June 11, 1997

Place: Job Site Trailer

Contractor: Tyree Organization, Ltd [TOL].
Brookfield, Connecticut

Attendees: List Attached

1. The minutes from Progress Meeting No. 5 were reviewed and approved as distributed.
2. Progress made in the last 2 weeks. TOL stated
 - . Landfill barrier protection layer completed.
 - . Landfill drainage swale stone fill placed.
 - . Landfill topsoil 50% completed.
 - . New fence posts installed.
 - . Nonhaz. brush & limbs hauled off site by Taylor Garbage Service
 - . Decon water was disposed.
3. Schedule
 - . Project on schedule. Substantial completion in June likely.
4. Contractor activities over the next 2 weeks
 - . Topsoil to be delivered, placed, & graded.
 - . New fence & gate to be installed.
 - . The remaining stumps, scrap poly, & PPE will be shipped off site for disposal.
 - . Hydro seeding & mulching to be completed.
 - . Damage to exiting fence to be repaired.
 - . Survey monuments to be set.
 - . Final topo survey to be completed.
 - . Office trailer removed from site.
5. Submittals
 - . DEC will return submittal for the 10X32 trailer after inspection in N.J.
 - . Outstanding submittals were discussed. DEC stated that survey data showing the depth of excavations and quantity calculations will be required before payment for excavation and backfill can be processed. Environmental stress crack data still awaited for geo membrane. HDPE as built, field test data & final as built survey to be supplied. Final warranties for

HDPE & geonet not yet received by DEC.

6. Contractor Payment Application

. TOL submitted it's fourth payment application. It is being processed.

7. Change orders

. PCO No. 1 was issued and agreed upon by both parties to collect and analyze 24 additional soil samples from under the concrete slab.

8. General discussion.

. DEC stated that the areas to be hydro seeded must be approved by the inspector before seeding. The DEC inspector will drive to N.J. tomorrow to inspect at the 10x32 trailer. TOL was cautioned not to deliver it until it is approved.
. TOL said it will dispose of stumps and PPE at CWM at Model City.

9. Substantial completion inspection meeting Wed. June 25,1997, on site.

These minutes represent our understanding of meeting proceedings and discussions. Any correction and/or comments must be identified to the Project Manager in writing within 7 days. Failure to do so shall constitute acceptance of information presented herein.

Prepared by	John May
Telephone	[607] 687-1158
Date	June 12,1997

Distribution

Tonya Mankowski	-	Tyree Organization Ltd.
Hallie Vitolo	-	Tyree Organization Ltd.
Gary Robinson	-	NYS Department of Health, Syracuse
Amar Nagi	-	NYSDEC, Albany
Jim Moras	-	NYSDEC, Albany
John May	-	NYSDEC

**TIOGA CASTING SITE, OWEGO
SITE NO. 7-54-012
TIOGA COUNTY**

PROGRESS MEETING NO. 5

Date: May 28, 1997

Place: Job Site Trailer

Contractor: Tyree Organization, Ltd [TOL],
Brookfield, Connecticut

Attendees: List Attached

1. The minutes from Progress Meeting No. 4 were reviewed and approved as distributed.
2. Progress made in the last 2 weeks. TOL stated
 - . Areas B&G topsoil delivered & partially graded
 - . Area H additional common fill delivered, graded, compacted & compaction tests performed.
 - . Landfill anchor trench excavated
 - . Landfill foundation layer placed, graded, & compacted
 - . Dozer, roller, backhoe, & dump truck deconed.
 - . Decon pad removed
 - . Decon water hauled off site, temporary stored at Environmental Products & Services.
 - . Pressure washed stumps in 30 Cu. Yd. roll off hauled to Seneca Meadows for disposal
 - . HDPE geo membrane installed
 - . Anchor trench backfilled
 - . Geonet installed
 - . Geotextile installed in swales
3. Schedule
 - . Updated schedule submitted by TOI.. Project substantial completion in June likely.
4. Contractor activities over the next 2 weeks
 - . Landfill barrier protection layer installation
 - . Stone fill lining swales
 - . The remaining stumps, scrap poly, & PPE will be shipped off site for disposal
 - . All swales to be filled with stone & shaped to drain toward the N.W. corner
 - . All excavated areas to be topsoiled & graded to match existing conditions
 - . Topsoil layer of landfill to be completed
 - . New fence & gate to be installed. Fence repairs to be made
5. Submittals
 - . TOL hand delivered a submittal for a 10X32 trailer. It is located in N.J.

- . TOL hand delivered Mohr circle information on barrier protection material
- . Outstanding submittals were discussed. DEC stated that survey data showing the depth of excavations and quantity calculations will be required before payment for excavation and backfill can be processed. Soil supplements submittal has not been received.
- . Environmental stress crack data still awaited for geo membrane from TOL.

6. Contractor Payment Application

- . TOL will submit it's fourth payment application the end this week.

7. Change orders

- . Change order No. 1 has been approved. It was included for payment to TOL in the last payment application. DEC hand delivered the approval letter.

8. General discussion.

- . DEC stated that the rest of the week is likely to be dry. TOL must control dust created by trucks hauling barrier protection material on site. The contract documents specify that geonet must be covered within 15 days. Today is day 6.
- . TOL's response was that only 6 trucks will be used and the water wagon will wet down Foundry Street. The geonet will be covered by barrier protection by next Wed within the day period. TOL asked how many more progress meetings will be required?
- . DEC informed TOL that once substantial completion has been met the biweekly progress meetings will not be required, but will be scheduled on an as needed basis.
- . TOL asked if inspection of the trailer by the DEC inspector is required before it is accepted for delivery to Saratoga.
- . DEC asked TOL to arrange for it's inspection at a convenient location in N.Y. State.

9. Next progress meeting Wed. June 11, 1997 at 11:00 in job site trailer.

These minutes represent our understanding of meeting proceedings and discussions. Any correction and/or comments must be identified to the Project Manager in writing within 7 days. Failure to do so shall constitute acceptance of information presented herein.

Prepared by John May
Telephone [607] 687-1158
Date May 29, 1997

Distribution

Tonya Mankowski - Tyree Organization Ltd.
Hallie Vitolo - Tyree Organization Ltd.
Gary Robinson - NYS Department of Health, Syracuse
Amar Nagi - NYSDEC, Albany
Jim Moras - NYSDEC, Albany
John May - NYSDEC

TIOGA CASTING CONSTRUCTION PROGRESS MEETING

NUMBER 5

DATE 5/28/97

NAME

ADDRESS

PHONE NO.

Halie Vitolo

Tyree Org. CT

(203) 740-8200

TONYA MANKOWSKI

Tyree Org.
125 Commerce Dr.
Brookfield, CT

607-687-8092

John May

NYS DEC

607-687-1158

Amy Nagi

NYS DEC

518-457-7878

**TIOGA CASTING SITE, OWEGO
SITE NO. 7-54-012
TIOGA COUNTY**

PROGRESS MEETING NO. 4

Date: May 13, 1997

Place: Job Site Trailer

Contractor: Tyree Organization, Ltd [TOL]
Brookfield, Connecticut

Attendees: List Attached

1. The minutes from Progress Meeting No.3 were reviewed and approved as distributed.
2. Progress made in the last 2 weeks. TOI. stated
 - . Areas B&G common fill delivered, graded, compacted, & compaction tests performed.
 - . some topsoil delivered to area G.
 - . Area H some common fill delivered, graded, compacted & compaction tests performed.
 - . Landfill graded & compacted.
 - . Landfill, including swales, surveyed.
 - . Tyree dump truck deconed.
 - . Geo membrane anchor trench started.
 - . Decon water sampled & charactorized.
3. Schedule
 - . Project one week behind last submitted schedule. Landfill HDPE capping planned to start May 19. Project completion mid June likely.
4. Contractor activities over the next 2 weeks
 - . Landfill to be graded to achieve grades
 - . Anchor trench to be finished
 - . The foundation layer will be placed
 - . Stumps deconed
 - . All excavated areas to be topsoiled & graded to match existing conditions
 - . Decon pad to be removed after decon of equipment and completion of foundation layer of landfill.
 - . Air monitoring to be performed until foundation layer is in place. Real time dust monitoring to continue
 - . Geo membrane, geo composi, & geotextile to be installed
 - . Intermediate survey to be completed

5. Submittals

- . DEC had questions concerning several submittals
 - . Fence " or equal " documentation not yet recieved
 - . Geo membrane, environmental stress crack data missing from submittal.
 - . Geo composite, transmisivity data from submittal and manufactor's data sheet differ
 - . Geo composite, U.V. filter information missing from submittal
- . TOL hand delivered a fax of a NYSDOT specification relative to the fence. They also hand delivered a revised submittal for the decon pad
- . DEC stated that the tags from the seed bags be removed in the presence of the constuction inspector.
- . Outstanding submittals were discussed. DEC stated that survey maps, calculations and compaction test results will be required before payment for excavation and backfill will be made. Shear diagram [Mohr circles] results for barrier protection layer to be reported three weeks prior to placement. Soil supplements submittal must be submitted

6. Contractor Payment Application

- . TOL will submit it's fourth payment application the end of May.

7. Change orders

- . Change order No. 1 has been approved. It was included for payment to TOL in the last payment application.

8. General discussion

- . DEC stated that the trailer delivered to Saratoga was not acceptable. The trailer was delivered by TOL's sub without the approval by DEC Inspector. DEC provided TOL with a copy of Section VIII, General Conditions, Article 5.5, - Contractor's Responsibilities. TOL asked if repairs to the trailer could be made at Saratoga? DEC restated the delivered trailer dose not meet the contract. The specs require that "all material shall be of good quality, good condition and new, and all equipment shall be in new or in good working order and of good quality." DEC pointed out that the decon water tank was nearly full. What plans did TOL have for disposal? TOL responded that Griffin Industrial Services would take it away in a vac truck. The disposal facility has not yet been selected. DEC asked for additional information before it was allowed to leave the site.
- . DEC informed TOL that Chris Rossi would be the on site representative on May 14,15,16 while John May is on vacation.

9. Next meeting Wed May 28,1997 at 11:00 in job site tailer

These minutes represent our understanding of meeting proceedings and discussions. Any correction and/or comments must be identified to the Project Manger in writing within 7 days. Failure to do so shall constitute acceptance of information presented herein.

Prepared by
Telephone
Date

John May
[607] 687-1158
May 13, 1997

Distribution

Tonya Mankowski	-	Tyree Organization Ltd.
Hallie Vitolo	-	Tyree Organization Ltd
Gary Robinson	-	NYS Department of Health, Syracuse
Amar Nagi	-	NYSDEC, Albany
Jim Moras	-	NYSDEC, Albany
John May	-	NYSDEC

TIOGA CASTING CONSTRUCTION PROGRESS MEETING

NUMBER 4DATE 5/13/97

NAME	ADDRESS	PHONE NO.
Christine Rossi	NYSDEC RG7-SJR	315 426 2551
John May	NYSDEC Reg. 7	607-687-1158
Amir Nagi	DEC	518 457 7878
Tonya Mankowski	TYREE ORG.	607-687-8092
HALLIE VITOLO	Tyrec. Org.	203 740 8200

(

**TIOGA CASTING SITE, OWEGO
SITE NO. 7-54-012
TIOGA COUNTY**

PROGRESS MEETING NO. 3

Date: April 30, 1997

Place: Job Site Trailer

Contractor: Tyree Organization, Ltd [TOL].
Brookfield, Connecticut

Attendees: List Attached

1. The minutes from Progress Meeting No. 2 were reviewed and approved as distributed.
2. Progress made in the last 2 weeks. TOL stated
 - . Areas A,B,C,D,E,F,G&H excavated
 - . Excavated soils hauled to the landfill, graded & compacted
 - . Areas A,C,D,E,F, & I common fill placed, graded, & compacted
 - . Areas B & G some common fill in place additional lifts needed
 - . Areas A & C topsoil placed & graded
 - . Areas D,E,F, & I some topsoil delivered, graded, additional needed
 - . Drums deconed, crushed, & loaded into rolloff
 - . Rolloff of drums, fence, & utility pole hardware hauled off site for recycling
 - . Railroad rails from B & D removed & hauled off site for recycling
 - . Trees & brush cleared & grubbed from area B
 - . Core samples taken from stumps & sent to Friends Lab for characterization
3. Schedule
 - . Project one week behind last submitted schedule. Updated schedule to be sent to DEC by Friday Landfill HDPE capping planned to start May 12. Project completion mid June likely.
4. Contractor activities over the next 2 weeks
 - . Landfill to be graded to achieve minimum grades
 - . The foundation layer will be placed
 - . All excavated areas to be backfilled & compacted as needed
 - . All excavated areas to be topsoiled & graded to match existing conditions
 - . Decon pad to be removed after decon of equipment and completion of foundation layer of landfill
 - . Air monitoring to be performed until foundation layer is in place. Real time dust monitoring to continue

- . Chenango Contracting, HDPE subcontractor, to install cap & geo composit

5. Submittals

- . DEC delivered copies of approved submittals for
 - . Select fill
 - . Gravel
 - . Common fill
 - . Top soil
 - . Geo composit, HDPE, and geotextile
- . The submittal for the decon pad was returned for revisions and resubmission
- . TOL hand delivered a submittal for the trailer
- . Outstanding submittals were discussed. DEC stated that survey maps, calculations and compaction test results will be required before payment for excavation and backfill will be made. Shear diagram [Mohr circles] results for barrier protection layer to be reported three weeks prior to placement. Fencing submittals have yet to be made. Seed and soil supplements must also be submitted. TOL stated that the fence subcontractor wanted to supply an "or equal". A formal submittal by TOL will follow.

6. Contractor Payment Application

- . TOL will submit it's third payment application this week.

7. Change orders

- . Change order No. 1 has been approved.

8. General discussion.

- . DEC stated that the existing fence in areas G,B,&H have been damaged and must be repaired. The monitoring well damaged during the excavation of I must be repaired and proven to be serviceable. When will the trailer be delivered to Saratoga?
- . TOL responded that the fence subcontractor would make the repairs to the fence. TOL has a disposable bailer on site to check the well integrity. The trailer is scheduled to be delivered on May 9. TOL will inform DEC when it is ready for inspection.
- . The additional volumes of soil excavated for various areas was discussed. The additional volumes were generated due to increase in size of excavated areas based on verification sampling and overexcavation by TOL. The DEC agreed with TOL to include the DEC directed volume increase in it's pay application under the respective bid items. However, DEC will not pay for over excavation by TOL. This method of payment for the excavation was acceptable to TOL.

9. Next meeting May 13, 1997 at 11:00 in job site trailer.

These minutes represent our understanding of meeting proceedings and discussions. Any correction and/or comments must be identified to the Project Manager in writing within 7 days. Failure to do so shall constitute acceptance of information presented herein.

Prepared by
Telephone
Date

John May
[607] 687-1158
April 30, 1997

Distribution

Tonya Mankowski	-	Tyree Organization Ltd.
Hallie Vitolo	-	Tyree Organization Ltd.
Gary Robinson	-	NYS Department of Health, Syracuse
Amar Nagi	-	NYSDEC, Albany
Jim Moras	-	NYSDEC, Albany
John May	-	NYSDEC

within the next 2 weeks.

10. Next meeting April 23, 1997 at 11:00 in job site trailer.

These minutes represent our understanding of meeting proceedings and discussions. Any correction and/or comments must be identified to the Project Manager in writing within 7 days. Failure to do so shall constitute acceptance of information presented herein.

Prepared by	John May
Telephone	[607] 687-1158
Date	April 8, 1997

Distribution

Tonya Mankowski	-	Tyree Organization Ltd
Hallie Vitolo	-	Tyrec Organization Ltd
Gary Robinson	-	NYS Department of Health, Syracuse
Amar Nagi	-	NYSDEC, Albany
John May	-	NYSDEC

**TIOGA CASTING SITE, OWEGO
SITE NO. 7-54-012
TIOGA COUNTY**

**PRE-CONSTRUCTION CONFERENCE AND
PROGRESS MEETING NO. 1**

Date: March 26, 1997

Place: Job Site Trailer

Contractor: Tyree Organization, Ltd.
Brookfield, Connecticut

Attendees: List Attached

1. The following contractual issues were discussed:

- Responsibilities: John May is the Department's field representative and all work must be performed under his supervision. All issues involving additional cost and/or time must be brought to the Project Manager's attention (Amar Nagi).
- Tonya Mankowski will be the contractor's on site superintendent and Hallie Vitolo is the contractor's Project Manager.
- Contract Completion Time

Notice to Proceed Date	December 4, 1996
Substantial Completion Date	June 2, 1997
Final Completion Date	August 1, 1997
- Working hours: Tyree stated that it will start with 8 hour days, 5 days a week but plans to change to 10 hour days with 40 hours per week as the project proceeds. It was pointed out to TOL that Article 5 of General Conditions of the contract shall apply in case TOL plans to work during hours beyond the normal working hours.

Tyree's off hours contacts are: Ted Stevens and Hallie Vitolo at 1-203-740-8200; 1-800-446-7270; 1-800-366-2337.

- As built drawings: The contractor shall keep accurate record of its daily work and keep notes and mark drawings which will be used to prepare as built drawings.
- Shop Drawings/Submittals: Shop drawing/submittal review and submission shall be handled in accordance with Article 5.23 through 5.29 of General Conditions of contract. TOL shall submit three copies of each submittal for review and approval. Each submittal shall bear a stamp or other specific written indication that TOL has satisfied that the submittal meets or exceeds the requirements of the contract documents. One copy of submittal after review shall be returned to TOL.

2. Contractor Activities over next 2 weeks.

- Complete mobilization (e.g., telephone line, heat, decon pad, access roads, meteorological station, erosion controls)
- Clearing and grubbing
- Soil Sampling
- Excavation in school property and other areas outside the fence
- Drum relocation
- Postings

TOL's schedule indicates substantial completion by June 8, 1997.

3. Submittals

- TOL submitted a schedule of submittals.
- The submittals relating to liner, select fill, common fill and top soil were discussed and deficiencies pointed out. TOL shall correct the deficiencies and make formal submittals.
- TOL stated to have submitted M/WBE utilization to Vicente Alfonso.

4. Contractor Payment Application

TOL has submitted its second payment application and is under review/process.

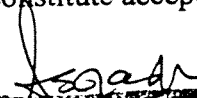
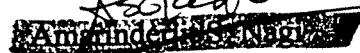
5. Change Orders

- Change Order No. 1 for \$7,208 and a 59-day no cost time extension is under process with Department.

6. Next meeting to be held on April 8, 1997 at 11:00 a.m. at the job site trailer.

These minutes represent our understanding of meeting proceedings and discussions. Any correction and/or comments must be identified to the Project Manager in writing within 7 days. Failure to do so shall constitute acceptance of information presented herein.

Prepared by
Telephone
Date



(518) 457-7878
April 1, 1997

Distribution

Tonya Mankowski	-	Tyree Organization, Ltd.
Hallie Vitolo	-	Tyree Organization, Ltd.
Gary Robinson	-	NYS Department of Health, Syracuse
John May	-	NYSDEC, Region 7
Amar Nagi	-	NYSDEC

TIoga CASTING CONSTRUCTION PROGRESS MEETING

NUMBER

DATE 3/26/97

NAME

ADDRESS

PHONE NO

Tahar A. Mar, NYSDOC, Syr. 315 426 7551

Gary L. Robinson NYSDOC, Syr. 315 426 7627

Amar Naji NYSDOC 515 457 7828

TONYA MANKOWSKI TYREE, BROOKFIELD, CT 203-740-8200

DAVID BOLAN

FAGAN ENGINEERS

113 E. CHEMUNG PLACE
ELMIRA, N.Y.

(607) 734-2165

Gene Cofella

Fagan Engineers

(607) 734-2165

Don Cunn



113 E. Chemung Place
Elmira, N.Y.

Tal Stevens

Tyree

(203) 740-8200

Holly Vito

Tyree

(203) 740-8200

Janice

Tioga CHD

(607) ~~68785~~

Allen Watkins

UNITED WATER
OWEGO

6878566

607 687-1491

LUIS GONZALEZ

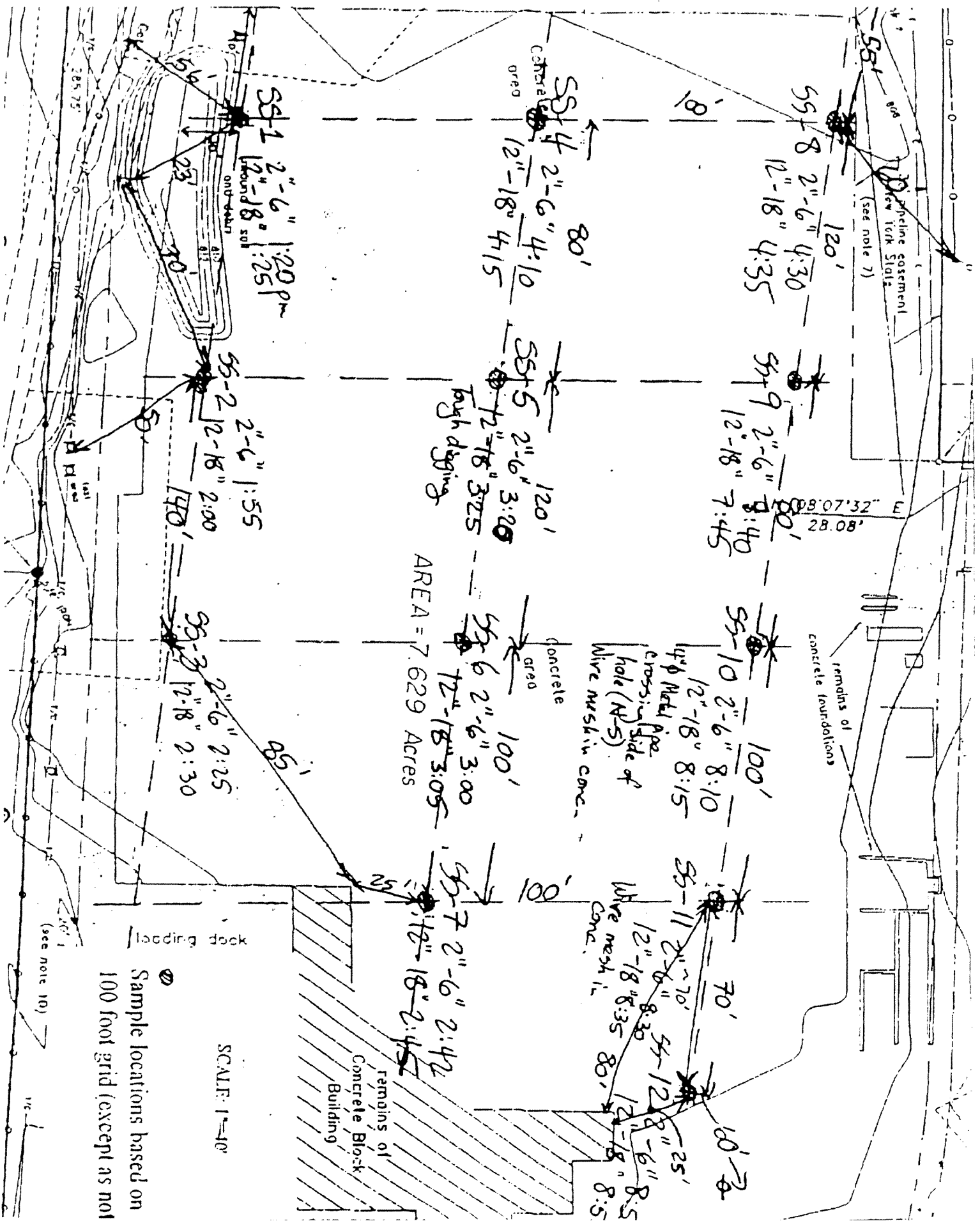
tyree Org.

(516) 249-3150

APPENDIX D

SOIL ANALYTICAL RESULTS

TIOGA CASTINGS FACILITY ANALYTICAL RESULTS <i>Samples Collected June 17, 1997</i>				
Sample ID	Depth	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)
SS-1	2"-6"	1.9	85.9	188
SS-1	12"-18"	0.56	37.9	278
SS-2	2"-6"	ND<0.48	9.19	69.4
SS-2	12"-18"	0.70	33.9	197
SS-3	2"-6"	1.1	10.0	169
SS-3	12"-18"	ND<0.56	10.6	35.7
SS-4	2"-6"	0.75	17.7	121
SS-4	12"-18"	ND<0.536	10.7	30.4
SS-5	2"-6"	ND<0.530	9.04	28
SS-5	12"-18"	ND<2.9	6.7	32.7
SS-5 (DUP)	12"-18"	ND<0.54	6.9	33.6
SS-6	2"-6"	ND<0.455	12.0	26.0
SS-6	12"-18"	ND<0.54	41.1	24.9
SS-7	2"-6"	3.42	28.7	72.4
SS-7	12"-18"	2.31	42.1	137
SS-8	2"-6"	2.98	32.2	234
SS-8	12"-18"	1.51	40.1	45.9
SS-9	2"-6"	0.698	13.8	100
SS-9	12"-18"	2.67	50.8	273
SS-10	2"-6"	3.33	26.1	485
SS-10	12"-18"	1.42	14.0	170
SS-10 (DUP)	12"-18"	1.19	13.4	172
SS-11	2"-6"	1.62	19.2	407
SS-11	12"-18"	0.84	32.7	4,130
SS-12	2"-6"	2.24	20.4	302
SS-12	12"-18"	2.16	24.7	273
DEC Cleanup goals		10 ppm	50 ppm	250 ppm/surface 500 ppm/below 12 "



Tyree Organization, Ltd.

125 Commerce Drive, Brookfield, CT 06804 • Fax: 203-740-8201 • Phone: 203-740-8200

February 3, 1997

Mr. Amar Nagi, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
50 Wolf Road
Albany, New York 12233-7010

**Re: Results of Additional Verification Sampling
Tioga Castings Project
Owego, New York
NYSDEC Site No. 7-54-012**

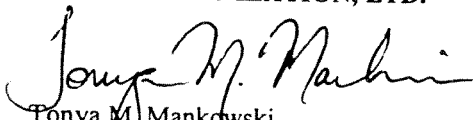
Dear Mr. Nagi:

Enclosed please find a table comparing the additional soil sample results (collected on January 23, 1997) to the initial soil sample results (collected on December 19-20, 1996) at the above-referenced project by Tyree Organization, Ltd. (Tyree). Please note that the results exceeding the NYSDEC's Cleanup Goals for the project have been shaded for your reference. Sample locations are presented on the attached site sketch.

If you have any questions, please do not hesitate to contact me.

Sincerely,

TYREE ORGANIZATION, LTD.


Tonya M. Mankowski
Environmental Scientist II

Attachments

cc: John May, NYSDEC

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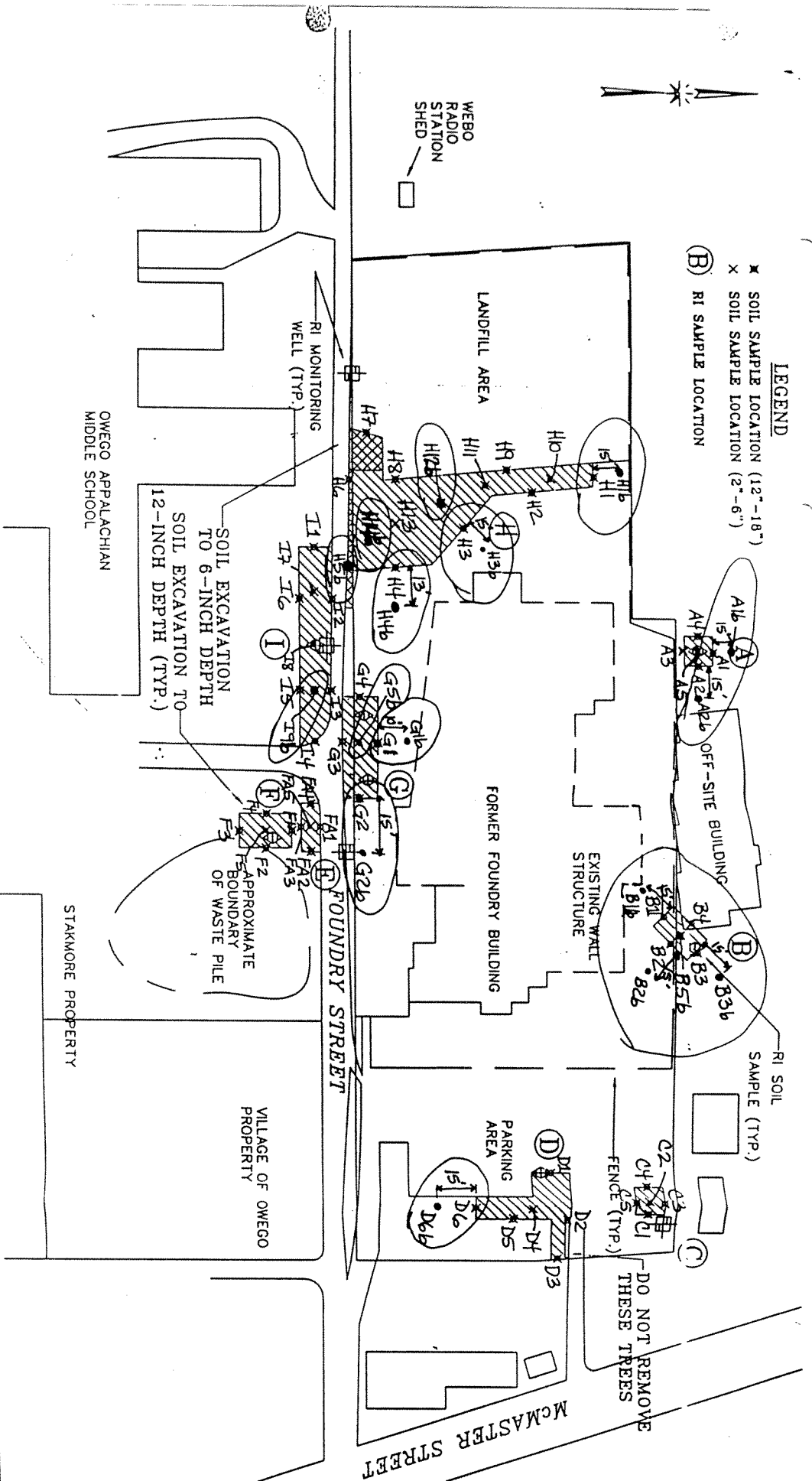
RECEIVED

TIOGA CASTINGS FACILITY					
COMPARISON OF ANALYTICAL RESULTS					
Samples Collected December 19-20, 1996					
Additional Samples Collected January 23, 1997 (shown in bold)					
Sample I.D	Depth	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	
Area A					
A-1	2"-6"	0.91	16.1	273	
A-1b	2"-6"	ND<0.92	11	117	
A-2	2"-6"	0.74	15.7	308	
A-2b	2"-6"	ND<0.49	18.6	72.8	
Area B					
B-1	2"-6"	1.5	36.5	352	
B-1b	2"-6"	0.47	28.5	305	
B-2	2"-6"	2.2	28.9	775	
B-2b	2"-6"	1.7	29.0	254	
B-3	2"-6"	1.1	22.6	446	
B-3b	2"-6"	1.2	18.9	424	
B-5	12"-18"	2.5	17.1	518	
B-5A	12"-18"	1.5	18.1	534	
B-5b	24"-30"	ND<0.58	13.8	131	
Area D					
D-6	2"-6"	16.9	42.1	1,350	
D-6b	2"-6"	0.83	20.4	292	
Area G					
G-1	2"-6"	0.76	52.4	188	
G-1b	2"-6"	0.55	54.2	243	
G-2	2"-6"	ND<0.57	64.1	139	
G-2b1	2"-6"	ND<0.55	66.1	84.5	
G-2b2	2"-6"	ND<0.53	110	120	
G-5	12"-18"	0.64	37.7	103	
G-5A	12"-18"	ND<0.46	56.8	432	
G-5b	24"-30"	0.62	67.3	242	
DEC Cleanup goals					
		10 ppm	50 ppm	250 ppm/surface	
				500 ppm/below 12 "	

TIOGA CASTINGS FACILITY					
COMPARISON OF ANALYTICAL RESULTS					
Samples Collected December 19-20, 1996					
Additional Samples Collected January 23, 1997 (shown in bold)					
Sample I.D	Depth	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	
Area H					
H-1	2"-6"	3.8	35.5	2,130	
H-1b	2"-6"	ND<0.68	26	62.8	
H-3	2"-6"	2.0	215	259	
H-3A	2"-6"	ND<0.49	23.1	59.1	
H-3b	2"-6"	ND<0.59	31.6	118	
H-4	2"-6"	ND<0.60	60.0	48.4	
H-4b1	2"-6"	34	82.1	6920	
H-4b2	2"-6"	5.7	48.9	1840	
H-5	2"-6"	1.8	54.5	196	
H-5A	2"-6"	1.2	24.4	241	
H-5b	12"-18"	1.2	30.2	84.0	
H-12	12"-18"	2.7	33.1	522	
H-12b	24"-30"	ND<0.48	29.6	81.2	
H-14	12"-18"	1.9	30.9	576	
H-14b	24"-30"	0.63	32.5	253	
Area I					
I-9	12"-18"	4.62	66.7	479	
I-9b	24"-30"	ND<0.56	14.8	32.2	
DEC Cleanup goals		10 ppm	50 ppm	250 ppm/surface	
				500 ppm/below 12 "	

LEGEND

- ★ SOIL SAMPLE LOCATION (12"-18")
- × SOIL SAMPLE LOCATION (2"-6")
- (B) RI SAMPLE LOCATION



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TYREE ENVIRONMENTAL TECHNOLOGIES			
TITLE	PROPOSED PRE-REMEDIATION SAMPLE VERIFICATION LOCATIONS		
SITE: FORMER TOGA CASTINGS SITE		SCALE	1"=1'
LOCATION: FOUNDRY STREET		PLATE	
CLIENT: NYSDEC	OWEGO, NEW YORK	DATE: 6/11/96	
DRAWN BY: B. Pressly	DATE: 6/11/96		Figure

Tyree Organization, Ltd.

125 Commerce Drive, Brookfield, CT 06804 • Fax: 203-740-8201 • Phone: 203-740-8200

April 7, 1997

Mr. Amar Nagi, P.E.
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233

Re: Preliminary Results of Supplemental Soil Sampling (March 28, 1997)
Tioga Castings Project
Owego, New York
NYSDEC Site No. 7-54-012

Dear Mr. Nagi:

Attached please find results of the supplemental soil samples collected on March 28, 1997. I have also attached a copy of the plan showing the sample locations.

I will forward the final analytical package to you as it becomes available.

Sincerely,

TYREE ORGANIZATION, LTD.



Hallie A. Vitolo
Senior Project Manager

Attachments

cc: John May, NYSDEC
Tony Mankowski, Tyree

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Member



Tyree
Environmental

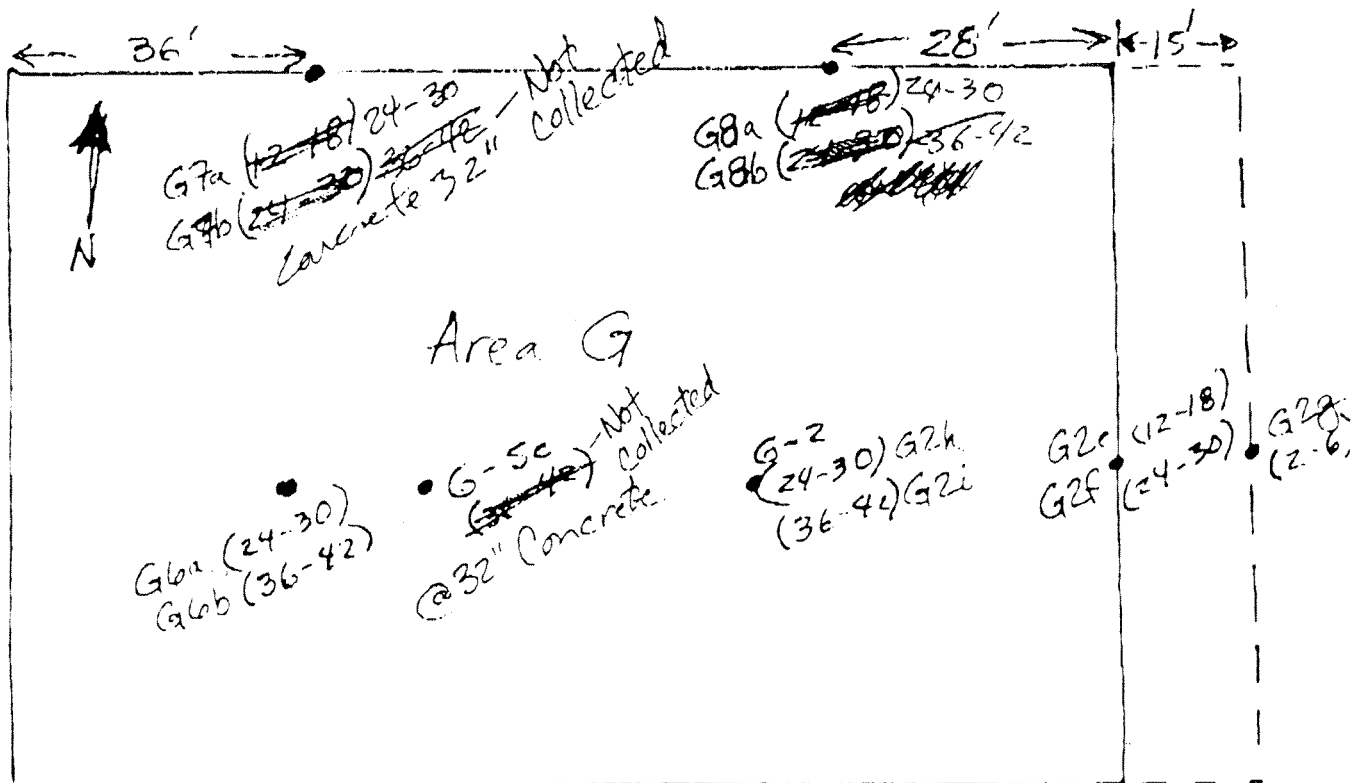
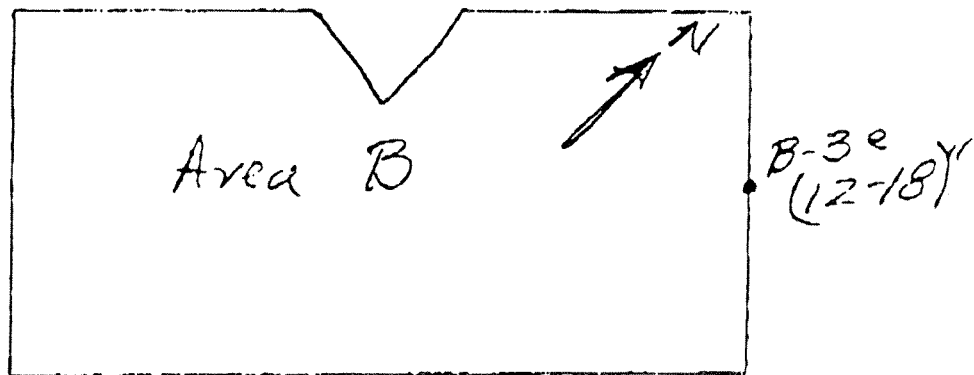
SUMMARY OF SOIL SAMPLING RESULTS				
Samples Collected March 28, 1997				
Sample Location	Sample Depth	Cadmium	Chromium	Lead
B3e	12-18	ND	17.0	73.1
G2e	12-18	1.65	64.0	80.8
G2f	24-30	0.979	32.3	74.7
G2g	2-6	ND	26.7	171
G2g (duplicate)	2-6	2.09	41.2	187
G2h	24-30	1.79	69.9	46.5
G2i	36-42	0.698	27.7	126
G6a	24-30	2.31	41.6	179
G6b	36-42	1.92	157	267
G7a	24-30	1.28	32.3	212
G8a	24-30	1.87	57.1	173
G8b	36-42	0.803	20.5	102
NYSDEC		10	50	250 (surface)
Cleanup Goal				500 (>12" bg)
NOTE: Sample depth presented in inches below grade.				
All results presented in parts per million (ppm).				

To: Hallic

(13 samples)

Tioga Castings

Additional Sampling Locations and Depths



Tyree Organization, Ltd.

125 Commerce Drive, Brookfield, CT 06804 • Fax: 203-740-8201 • Phone: 203-740-8200

FILE COPY

Mr. Amar Nagi, P.E.
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233

Re: Results of Verification Sampling (December 19-20, 1996)
Tioga Castings Project
Owego, New York
NYSDEC No. 7-54-012


Dear Mr. Nagi:

Enclosed please find a table summarizing the results of verification soil sampling conducted by Tyree Organization, Ltd. at the Tioga Castings Facility located in Owego, New York between December 19 and 20, 1996. Please note that results exceeding the New York State Department of Environmental Conservation (DEC) Cleanup Goals for the project have been shaded for your reference. Sample locations are presented on the attached site sketch.

Tyree anticipates forwarding the CLP analytical package to your office on or about January 24, 1997. If you have any questions or concerns regarding the data, please do not hesitate to contact me.

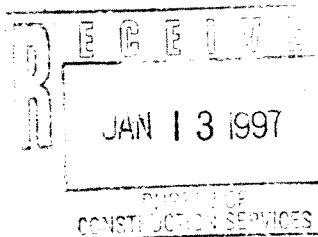
Sincerely,

TYREE ORGANIZATION, LTD.


Hallie A. Vitolo
Senior Project Manager

cc: John May, NYSDEC

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Member

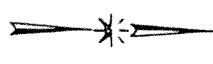


Tyree
Environmental
Technologies

TIOGA CASTINGS FACILITY					
ANALYTICAL RESULTS					
Samples Collected December 19-20, 1996					
Sample I.D	Depth	Cadmium (ppm)	Chromium (ppm)	Lead (ppm)	
<u>Area A</u>					
A-1	2"-6"	0.91	16.1	273	
A-2	2"-6"	0.74	15.7	308	
A-3	2"-6"	ND<0.57	24.7	180	
A-4	2"-6"	ND<0.67	9.21	99.5	
A-4A	2"-6"	ND<0.69	14.5	139	
A-5	12"-18"	1.1	18.6	372	
<u>Area B</u>					
B-1	2"-6"	1.5	36.5	352	
B-2	2"-6"	2.2	28.9	775	
B-3	2"-6"	1.1	22.6	446	
B-4	2"-6"	0.60	17.1	211	
B-5	12"-18"	2.5	17.1	518	
B-5A	12"-18"	1.5	18.1	534	
<u>Area C</u>					
C-1	2"-6"	0.82	18.4	161	
C-2	12"-18"	ND<0.59	9.46	43.9	
C-3	2"-6"	ND<0.61	16.4	149	
C-4	2"-6"	ND<0.67	14.4	160	
C-5	2"-6"	ND<0.88	18.5	200	
<u>Area D</u>					
D-1	2"-6"	1.0	12.2	191	
D-2	2"-6"	0.74	11.4	306	
D-3	2"-6"	ND<0.64	19.7	117	
D-4	12"-18"	ND<0.57	24.5	62.5	
D-5	2"-6"	ND<0.64	9.55	204	
DEC Cleanup goals		10 ppm	50 ppm	250 ppm/surface	
				500 ppm/below 12 "	

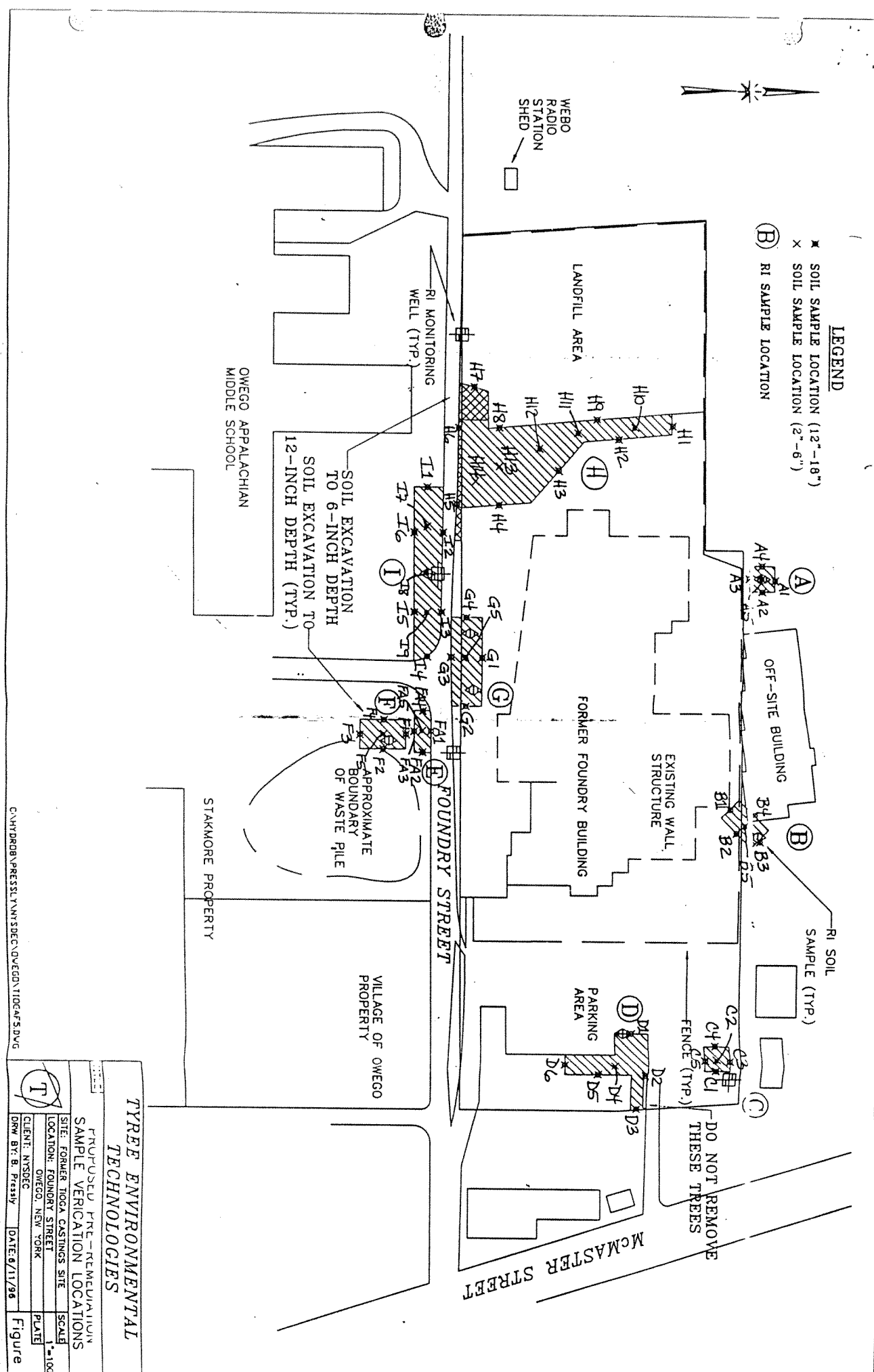
TIOGA CASTINGS FACILITY					
ANALYTICAL RESULTS					
	<u>Sample I.D</u>	<u>Depth</u>	<u>Cadmium (ppm)</u>	<u>Chromium (ppm)</u>	<u>Lead (ppm)</u>
	<u>Area F</u>				
	F-1	2"-6"	ND<0.62	35.4	219
	F-2	2"-6"	0.75	12.5	202
	F-3	2"-6"	1.1	26.7	206
	F-4	2"-6"	ND<0.61	18.5	42.8
	F-5	12"-18"	0.80	18.4	78.6
	<u>Area FA</u>				
	FA-1	2"-6"	0.57	18.5	120
	FA-2	2"-6"	1.2	47.7	244
	FA-3	2"-6"	ND<0.64	21.6	79.7
	FA-3A	2"-6"	ND<0.46	17.0	45.1
	FA-4	2"-6"	ND<0.58	18.2	68.4
	FA-5	12"-18"	ND<0.51	16.4	13
	<u>Area G</u>				
	G-1	2"-6"	0.76	52.4	188
	G-2	2"-6"	ND<0.57	64.1	139
	G-3	2"-6"	0.78	18.6	71.1
	G-4	2"-6"	1.4	47.9	149
	G-5	12"-18"	0.64	37.7	103
	G-5A	12"-18"	ND<0.46	56.8	432
	<i>DEC Cleanup goals</i>		<i>10 ppm</i>	<i>50 ppm</i>	<i>250 ppm/surface</i> <i>500 ppm/below 12 "</i>

TIOGA CASTINGS FACILITY					
ANALYTICAL RESULTS					
	Area H				
	H-1	2"-6"	3.8	35.5	2,130
	H-2	2"-6"	1.9	29.3	210
	H-3	2"-6"	2.0	215	259
	H-3A	2"-6"	ND<0.49	23.1	59.1
	H-4	2"-6"	ND<0.60	60.0	48.4
	H-5	2"-6"	1.8	54.5	196
	H-5A	2"-6"	1.2	24.4	241
	H-6	2"-6"	ND<0.52	8.93	24.5
	H-7	2"-6"	1.5	104	240
	H-8	2"-6"	7.9	133	4,790
	H-9	2"-6"	ND<0.55	35.9	65.8
	H-10	12"-18"	0.85	28.0	201
	H-11	12"-18"	2.0	41.1	373
	H-12	12"-18"	2.7	33.1	522
	H-13	12"-18"	0.77	32.9	318
	H-14	12"-18"	1.9	30.9	576
	Area I				
	I-1	2"-6"	ND<0.55	16.9	51.4
	I-2	2"-6"	ND<0.58	16.4	92.7
	I-3	2"-6"	1.9	27.0	176
	I-4	2"-6"	1.0	27.6	195
	I-5	2"-6"	0.65	21.1	96.0
	I-6	2"-6"	ND<0.46	17.1	55.1
	I-7	12"-18"	ND<0.40	15.3	37.7
	I-8	12"-18"	ND<0.56	15.9	86.3
	I-9	12"-18"	4.62	66.7	479
DEC Cleanup goals			10 ppm	50 ppm	250 ppm/surface
					500 ppm/below 12 "



LEGEND

- ★ SOIL SAMPLE LOCATION (12"-16")
- × SOIL SAMPLE LOCATION (2"-6")
- (B) RI SAMPLE LOCATION



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TYPE ENVIRONMENTAL TECHNOLOGIES			
PROPOSED PRE-REMEDIATION SAMPLE VERIFICATION LOCATIONS			
SITE: FORMER TOGO CASTINGS SITE		SCALE	1"=100'
LOCATION: FOUNDRY STREET		DATE	6/11/96
CLIENT: NYSDC		PLATE	Figure
DRAWN BY: B. Pressy			

APPENDIX E

LISTING OF SUBCONTRACTORS
AND SUPPLIERS

**Tioga Castings Site
Site No 7 54 012
Subcontractors**

Roger's Fence Company, Inc. P.O. Box 367 Railroad Street Poland, New York 13431	Chain Link Fence and Gate
Chenango Contracting, Inc. 29 Arbutus Road Johnson City, New York 13790	HDPE Liner. Geonet and Geo textile
Fagan Engineers 113 East Chemung Place Elmira, New York 14904	Soil Compaction Testing, QA/QC
Williams & Edsall 353 Spencer Road Candor, New York 13743	Land Surveyor
Friend Laboratory, Inc One Research Circle Waverly, New York 14892	Analytical and Geo technical Testing
S&W Waste, Inc. 115 Jacobus Avenue South Kearny, New Jersey 07032	Disposal Facility (Haz)
Taylor Garbage Service P.O. Box 362 Vestal, New York 13851	Transporter(Non Haz)
Seneca Meadows Landfill 1786 Saloman Rd. Waterloo, New York 13165	Disposal Facility (Non Haz)
CWM Chemical Services Inc. 1550 Balmen Road Model City, New York 14107	Disposal Facility (Haz)

Griffin Industrial Services, Inc
8952 Falls Road
New Woodstock, New York 13122

Transporter (Haz Liquid)

Lifestyles Construction and
Environmental Services.
35 Second Street, Suite 4
Binghamton, New York 13903

Hydroseeding, Equip Rental and Labor

N. E. Donaldson
919 Delaware Turnpike
P.O. Box 236
Clarksville, New York 12041

Labor and Equipment Rental

Onsite Environmental Services
860 Crosskeys Office Park
Fairport, New York 14450

Labor

Bob's Tree Service
106 Summit Street
Sayer, Pennsylvania 18840

Clearing and Grubbing

Quinlan Tree Service, Inc.
Route 17C
515 Chemung Street
Waverly, New York 14892

Clearing and Grubbing

**Tioga Castings Site
Site NO 7 54 012
Suppliers**

Barney & Dickenson, Inc. 520 Prentice Road Vestal, New York 13850	Concrete
F.S. Lopke Contracting, Inc. 3430 State Route 434 Apalachin, New York 13732	Common Fill, Select Fill, & Gravel
RMS Gravel, Inc. P.O. Box 455 Dryden, New York 13053	Stone Fill & Topsoil
Poly-Flex, Inc. 2000 W. Marshall Drive Grand Prairie, Texas 75051	HDPE Geomembrane
JDR Enterprises, Inc. 292 South Main Street Suite 200 Alpharetta, Georgia 30201	Geocomposite Drainage Material
TNS Advanced Technologies 856 S. Pleasantburg Drive Greenville, South Carolina 29607	Geotextile
Allied Tube & Conduit Fence Div. 16100 South Lathrop Ave. Harvey, Illinois 60426	Fencing
Page Seed P.O. Box 158 Greene, New York 13778	Grass Seed
Lebanon Chemical Corporation Lebanon, Pennsylvania 17047	Fertilizer
Conwed Fibers Delanco Road Riverside, New Jersey 08075	Mulch

G.E. Capital Modular Space
200 Federal Boulevard
Carteret, New Jersey 07008

Trailer

APPENDIX F

CITIZEN PARTICIPATION
FACT SHEETS

**FACT SHEET
TIOGA CASTINGS SITE
OWEGO, TIOGA COUNTY
SITE NO. 7-54-012
DECEMBER 1996**

INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) in cooperation with the New York State Department of Health is pleased to inform you of the start of Remedial Construction at the Tioga Castings Site. The 7-acre site is located on Foundary Street off of McMaster Street in the Village of Owego, Tioga County. The NYSDEC has awarded the construction contract to the Tyree Organization Ltd. of Brookfield, Connecticut.

BACKGROUND

The site operated a cupola type foundry for production of gray iron castings during 1945 to 1988. The process produced solid waste which included sand molds, bentonite, fly ash, cast iron grindings, and baghouse ash/cupola dust. These wastes were deposited in an on site landfill during 1979-1988 (prior to that wastes were disposed off site). In July 1989, the facility had a fire that destroyed most of the foundry structure and left the remaining building structurally unsafe. Currently the site is inactive and is fenced to restrict access.

REMEDIAL HISTORY

The remedial investigation revealed elevated levels of lead and cadmium contamination in soils on site and on the adjacent properties. The investigation and a feasibility study were completed in December 1994 and a Record of Decision which conceptually formalized the Remedial Action plan was issued in March 1995. The responsible party for contamination at this site (Tioga Castings Facility) is financially unable to perform the remedial work. The completed RI/FS was and the upcoming construction activities are being funded using the 1986 Environmental Quality Bond Act money.

SCOPE OF WORK

The construction activities involve the remediation of contaminated soils and in general include:

- Excavate, transport and consolidate contaminated soils in the on site landfill.
- Regrade and install a low permeability cover system over the landfill.

- Remove and dispose off site, sediments from the on site septic tank.
- Backfill and restore excavated areas.

The contractor is expected to begin the preliminary work, e.g., site survey, soil sample collection and analysis; and septic tank cleanup during this month and mobilize in March 1997 with the scheduled project completion by August 1997. The project specifications require the contractor to implement an air monitoring program and engineering controls to mitigate contamination migration from the site. A New York State Department of Environmental Conservation Inspector will oversee and inspect the construction activities.

PROJECT DOCUMENTS

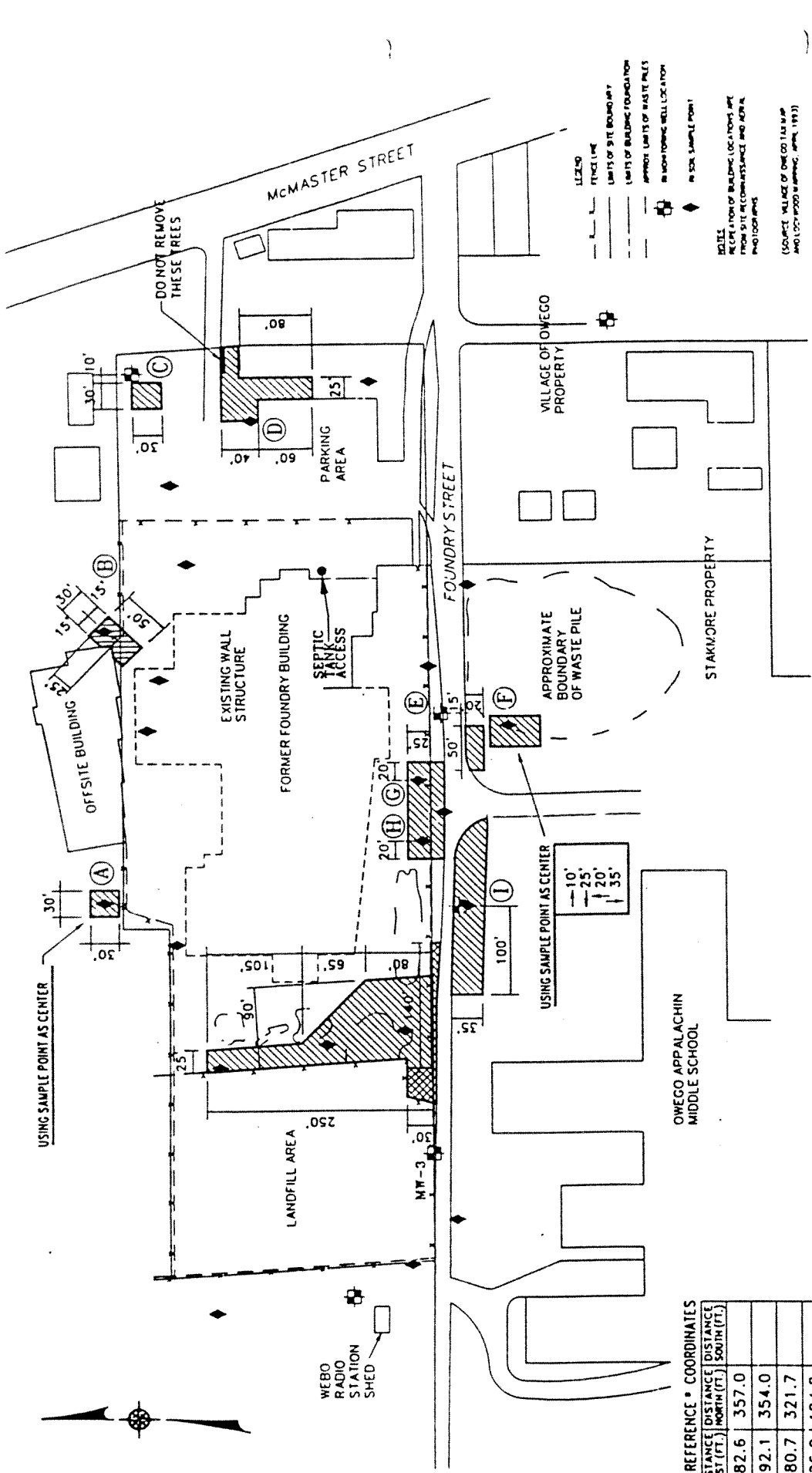
Public understanding and involvement are crucial to the success of New York's hazardous waste remedial project. To keep you updated, NYSDEC distributes fact sheets, like this one, and periodically holds public meetings as necessary. We also place site related documents in a repository so you can read them. The NYSDEC has established document repository for this site at the Owego Village Hall (Village Clerk's Office), 90 Temple Street, Owego, New York, 13827.

If you have any questions or concerns regarding this site, please contact:

Amar Nagi, P.E.
NYSDEC
50 Wolf Road
Albany, NY 12233-7010
(518) 457-7878
or 1-800-342-9296
(Please leave a message)

Charles Branagh, P.E.
NYSDEC - Region 7
615 Erie Boulevard West
Syracuse, NY 13204-2400
(315) 426-7400

Gary Robinson
NYSDOH
217 South Salina St.
Syracuse, NY 13202
(315) 426-7627

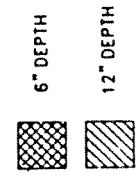


EXCAVATION REFERENCE - COORDINATES

SAMPLE POINT	DISTANCE EAST (FT.)	DISTANCE NORTH (FT.)	DISTANCE SOUTH (FT.)
A	282.6	357.0	
B	592.1	354.0	
C	880.7	321.7	
D	826.0	194.8	
E	494.8		8.6
F	481.0		85.6
G	418.4	15.0	
H	351.5	10.7	
I	279.0		39.8

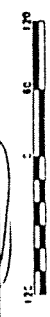
DISTANCES APPROX. MEASURED FROM NW-3 AND AS DIRECTED BY ENGINEER.

DEPTH OF EXCAVATIONS



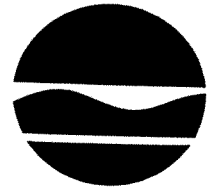
TIOPA CASTINGS SITE, No. 7-54-012
EXCAVATION LIMITS
DIVISION OF HAZARDOUS WASTE REMEDIATION

DATE: 03-28-95 DRAWING: T72PUNDRG BC SUPPLEMENT 1.1



(SOURCE: VALUE OF ONE CO 1/4 IN. MAP AND CO-ORDINATES, APRIL 1993)

A. Nagi



*John P. Cahill
Commissioner*

**TIOGA CASTINGS SITE
OWEGO, TIOGA COUNTY
SITE NO. 7-54-012
JANUARY 1998**

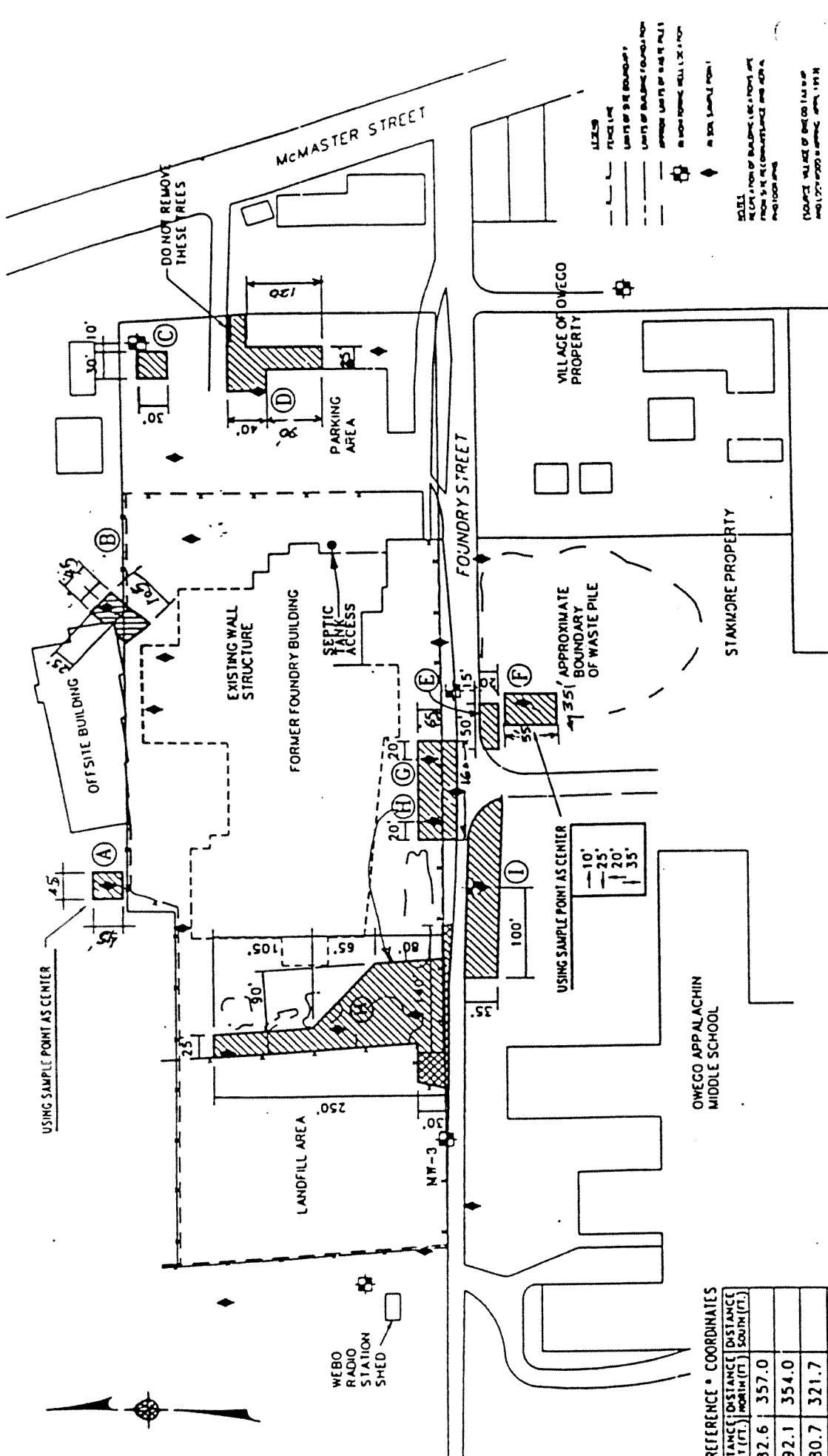
The New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) are pleased to announce the recent completion of construction of the cleanup remedy selected for the Tioga Castings inactive hazardous waste disposal site. The Tioga Castings site is located on Foundry Street in the Village of Owego. In 1989, the site was placed on New York State's registry of inactive hazardous waste disposal sites as a class 2 site. A classification of 2 means the site poses a significant threat to human health and/or the environment, and action is required. After investigating the site and consulting with the public, the State selected a cleanup remedy in March 1995. The State hired a construction contractor to implement the remedy.

Construction activities began in December 1996 and work was completed July 1997. The State has implemented the cleanup plan using money from the 1986 Environmental Quality Bond Act. As part of the remedy, the State completed the following activities:

- Excavation, transportation and consolidation of contaminated soils in the on-site landfill.
- Regrading and installing a low permeability cover system over the landfill.
- Removal and disposal off-site, sediments from the on-site septic tank.
- Backfilling and restoring the excavated areas.

About the Site

The site operated a cupola type foundry for production of gray iron castings during 1945 to 1988. The process produced solid waste which included sand molds, bentonite, fly ash, cast iron grindings, and baghouse ash/cupola dust. These wastes were deposited in an on-site landfill during 1979-1988 (prior to that wastes were disposed off-site). In July 1989, the facility had a fire that destroyed most of the foundry structure and left the remaining building structurally unsafe.



TIOGA CASTINGS SITE, No. 7-54-012

EXCAVATION LIMITS

DIVISION OF HAZARDOUS WASTE REMEDIATION

DATE: 10/27/2000 DRAWING: BC 9572/001/111

DEPTH OF EXCAVATIONS

AREAS A, C, D, E, F
B, H, I
G

AREA	DEPTH (FT.)
A	10'
B	10'
C	10'
D	10'
E	10'
F	10'
G	10'
H	10'
I	10'

NOTES: APPROX. MEASURED FROM AND AS DIRECTED BY ENGINEER

NEW YORK STATE
DEPARTMENT OF



ENVIRONMENTAL
CONSERVATION

Dear Interested Citizen:

We hope this fact sheet will help bring you up to date on activities at this site. If you have any questions or would like more information please feel free to contact:

**Mr. Michael E. Hallock
Project Manager
625 Broadway
Albany, NY 12233-7013
518-402-9745
mehalloc@gw.dec.state.ny.us**

and

**Please visit the NYSDEC
website at :**

www.dec.state.ny.us

FACT SHEET

April 1, 2005

Tioga Castings Site #754012

Owego, NY
NYSDEC, Region 7
Tioga County

Status and Upcoming Activities

Sampling of groundwater (underground) from the five monitoring wells around the perimeter of the site is planned for early spring 2005 (see attached layout map). In recent years, monitoring well #1 has been dry. We will analyze the layout of the existing monitoring wells to determine if a change in location or depth of the well(s) would improve the characterization of the groundwater effects from the site. We rely on the analysis of the samples to indicate that the remediation work is effectively reducing the levels of metals of concern (primarily lead and cadmium) in the groundwater. Sampling results to date have generally shown a steady decline in the levels of lead, cadmium, chromium and iron (a nuisance rather than a hazard), which indicates that the remedy is performing well and is effective. MW-1 provides "background" data as it is upstream of the site in terms of groundwater flow, whereas MW-2 - MW-5 are in potentially contaminated areas downstream of the site; however, because the cap on the landfill is effective, the downstream groundwater is not being contaminated by the site.

Routine Annual Activities

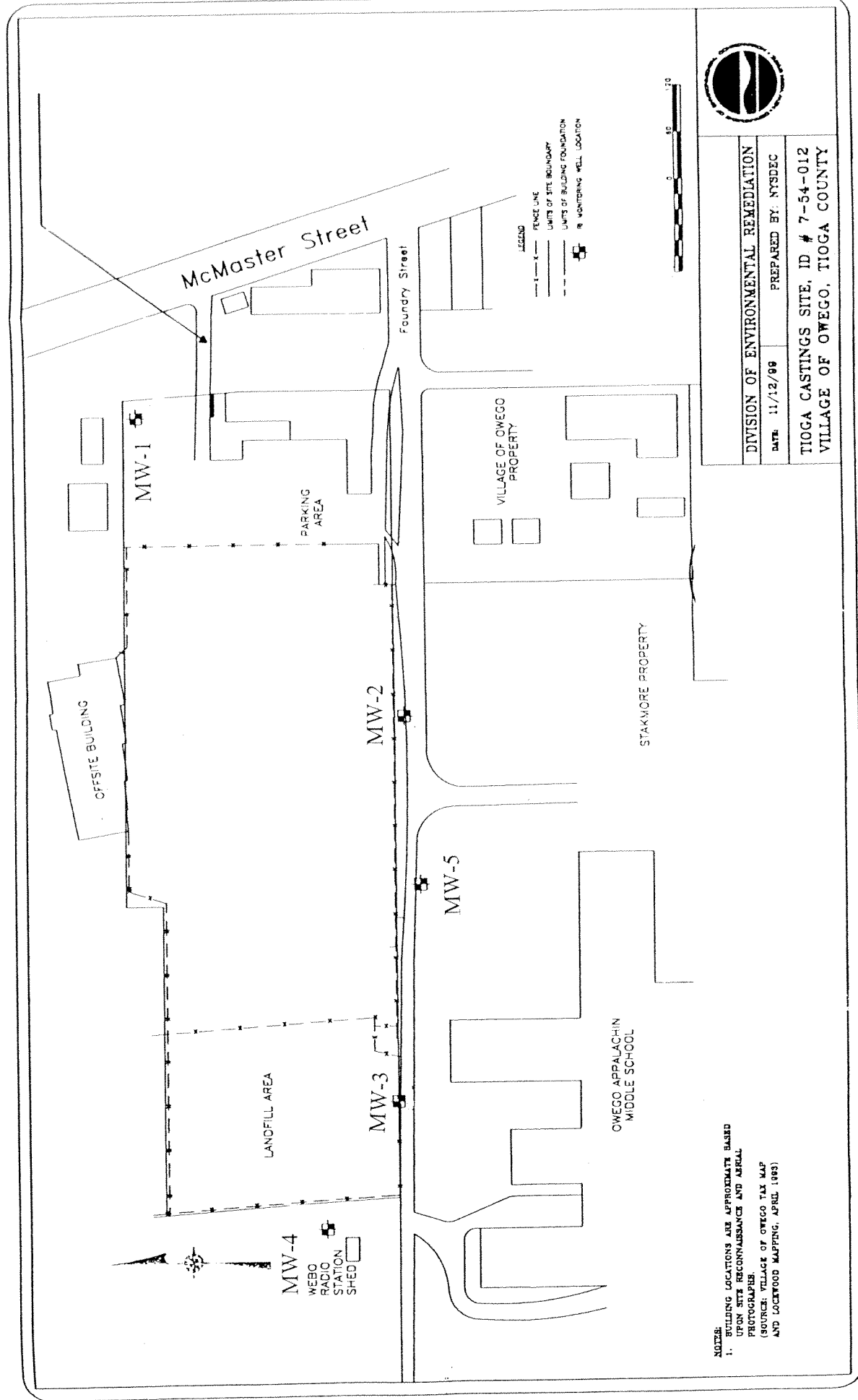
As part of the long-term maintenance plan for the landfill, the following activities are conducted during the year:

1. The cap is mowed and the fence surrounding the landfill is repaired as needed.
2. Groundwater from 5 monitoring wells is sampled annually for metals of concern.
3. The landfill cap is inspected for signs of erosion.

History of the Site

The Tioga Castings Site is a former smelting plant that created solid hazardous wastes (primarily lead and cadmium) that were deposited and stored on site. The plant ceased operations in 1988 and has undergone a series of remediations to remove wastes and to consolidate the remaining wastes in a landfill on the western end of the site. The landfill occupies about one (1) acre of seven (7) total acres. Fences surrounding the entire site and the landfill portion have been erected (1989) to limit access to the site. The landfill was capped (1997) to prevent the permeation of water (precipitation) through the contaminated soils into the groundwater. Five monitoring wells (MW-) were installed around the perimeter of the site at that time. Additional contamination (asbestos) was discovered and removed in 2001.

Figure 1
Tioga Castings
Monitoring Well (MW-) Locations (Approximate)

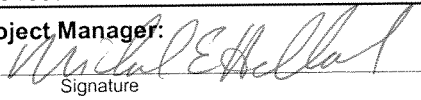


Inactive Hazardous Waste Site Operations and Maintenance Review Report

Site Name: Tioga Castings		Class: 2	Number: 754012															
O&M Funding Source: <input checked="" type="checkbox"/> State Superfund <input type="checkbox"/> Federal Superfund <input type="checkbox"/> Municipal <input type="checkbox"/> Responsible Party																		
O&M Information: O&M Start: 9707 End: Annual Cost: \$ <input type="checkbox"/> Estimated																		
Interim Remedial Measures/Operable Units in O&M Phase: <table border="0"><tr><td><input type="checkbox"/> Drum Removal</td><td><input type="checkbox"/> Soil Removal</td><td><input type="checkbox"/> Tank Removal</td></tr><tr><td><input checked="" type="checkbox"/> Cap/Cover</td><td><input type="checkbox"/> Containment Structure</td><td><input checked="" type="checkbox"/> Fence/Security</td></tr><tr><td><input type="checkbox"/> Groundwater Recovery/Treatment</td><td><input type="checkbox"/> Leachate Collection/Treatment</td><td><input type="checkbox"/> Vapor Extraction/Treatment</td></tr><tr><td><input type="checkbox"/> Air Sparging/Stripper System</td><td><input type="checkbox"/> Treatment/Filtration Plant/System</td><td><input type="checkbox"/> Potable Water Supply/System</td></tr><tr><td colspan="3"><input checked="" type="checkbox"/> Other: Groundwater Monitoring</td></tr></table>				<input type="checkbox"/> Drum Removal	<input type="checkbox"/> Soil Removal	<input type="checkbox"/> Tank Removal	<input checked="" type="checkbox"/> Cap/Cover	<input type="checkbox"/> Containment Structure	<input checked="" type="checkbox"/> Fence/Security	<input type="checkbox"/> Groundwater Recovery/Treatment	<input type="checkbox"/> Leachate Collection/Treatment	<input type="checkbox"/> Vapor Extraction/Treatment	<input type="checkbox"/> Air Sparging/Stripper System	<input type="checkbox"/> Treatment/Filtration Plant/System	<input type="checkbox"/> Potable Water Supply/System	<input checked="" type="checkbox"/> Other: Groundwater Monitoring		
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Institutional Controls: <input type="checkbox"/> Deed Restriction <input type="checkbox"/> Discharge Permit <input type="checkbox"/> Department of Health Sampling <input type="checkbox"/> Other:																		
O&M Review Information: Reports: Historical Reports; GW Sampling reports; Site Summary Reports; Letter from Owego Mayor Arrington to Dale Desnoyers indicating a lack of communication of DEC monitoring and maintenance activities at the site (thus he assumed nothing has been done) and a concern about lack of commitment to reclassify site and/or further remediate the site by removing the hazardous contents of the landfill. Mr. Desnoyers and Mr. Rider have responded to the mayor. Site visit by C. Hoffman, W. Welling, and M. Hallock on 4/6/05 provided geo-locations of monitoring wells and landfill fence boundaries. Inspection: 04/06/05 Sampling: Other:																		
Conclusions: Remedy Effective? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: Groundwater sample results have been generally downward. However, sampling has been inconsistently performed due to dry wells and lack of ability to find wells. ROD Compliance? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No: ROD calls for "seeking deed restrictions to prevent site development activities in areas where contaminated material is present." This has not been done yet. Consent Order Compliance? <input type="checkbox"/> Yes <input type="checkbox"/> No: No Consent Order Other:																		
Recommendations: See site inspection report of 4/6/2005 (attached). Sampling needs to take place in first half of May, 2005. Sample results should be carefully reviewed to verify that the remedy is effective. Condition of wells (level/presence of water) should be evaluated to determine if wells are located properly.																		
ROD/Consent Order Modifications? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (per above) Reclassify the Site? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes → Class:																		
Comments: See recommendations above.																		
Project Manager: <table border="0"><tr><td>Signature</td><td>Date</td></tr><tr><td>Michael E Hallock,</td><td>Bureau D 518-402-9818</td></tr><tr><td>Name</td><td>Region or Bureau Telephone</td></tr></table>		Signature	Date	Michael E Hallock,	Bureau D 518-402-9818	Name	Region or Bureau Telephone	Reviewer: <table border="0"><tr><td>Signature</td><td>Date</td></tr><tr><td>Name</td><td>Region or Bureau Telephone</td></tr></table>		Signature	Date	Name	Region or Bureau Telephone					
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Michael E Hallock,	Bureau D 518-402-9818																	
Name	Region or Bureau Telephone																	
Signature	Date																	
Name	Region or Bureau Telephone																	

Inactive Hazardous Waste Site Operations and Maintenance Review Report

Form Date 96.10.01

Site Name: Tioga Castings		Class: 2	Number: 754012
O&M Funding Source: <input checked="" type="checkbox"/> State Superfund <input type="checkbox"/> Federal Superfund <input type="checkbox"/> Municipal <input type="checkbox"/> Responsible Party			
O&M Information: O&M Start: 9707 End: _____		Annual Cost: \$ _____ <input type="checkbox"/> Estimated	
Interim Remedial Measures/Operable Units in O&M Phase:			
<input type="checkbox"/> Drum Removal <input type="checkbox"/> Soil Removal <input type="checkbox"/> Tank Removal <input checked="" type="checkbox"/> Cap/Cover <input type="checkbox"/> Containment Structure <input checked="" type="checkbox"/> Fence/Security <input type="checkbox"/> Groundwater Recovery/Treatment <input type="checkbox"/> Leachate Collection/Treatment <input type="checkbox"/> Vapor Extraction/Treatment <input type="checkbox"/> Air Sparging/Stripper System <input type="checkbox"/> Treatment/Filtration Plant/System <input type="checkbox"/> Potable Water Supply/System <input checked="" type="checkbox"/> Other: Groundwater Monitoring			
Institutional Controls: <input type="checkbox"/> Deed Restriction <input type="checkbox"/> Discharge Permit <input type="checkbox"/> Department of Health Sampling			
<input type="checkbox"/> Other: _____			
O&M Review Information:			
Reports: Historical Reports; GW Sampling reports; Site Summary Reports; Letter from Owego Mayor Arrington to Dale Desnoyers indicating a lack of communication of DEC monitoring and maintenance activities at the site (thus he assumed nothing has been done) and a concern about lack of commitment to reclassify site and/or further remediate the site by removing the hazardous contents of the landfill. Mr. Desnoyers and Mr. Rider have responded to the mayor.			
Inspection: 04/06/05			
Sampling: _____			
Other: _____			
Conclusions:			
Remedy Effective? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: _____			
ROD Compliance? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No: ROD calls for "seeking deed restrictions to prevent site development activities in areas where contaminated material is present." This has not been done yet.			
Consent Order Compliance? <input type="checkbox"/> Yes <input type="checkbox"/> No: No Consent Order			
Other: _____			
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ROD/Consent Order Modifications? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (per above) Reclassify the Site? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes → Class:			
See recommendations above.			
Project Manager:		Reviewer:	
 Signature		_____ Signature	
Michael E Hallock, Bureau D 518-402-9818 Name Region or Bureau Telephone		_____ Date	
_____ Name		_____ Date	
_____ Region or Bureau		_____ Name	
_____ Telephone		_____ Region or Bureau	
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REGION COUNTY TOWN NAME ~~Remediation~~

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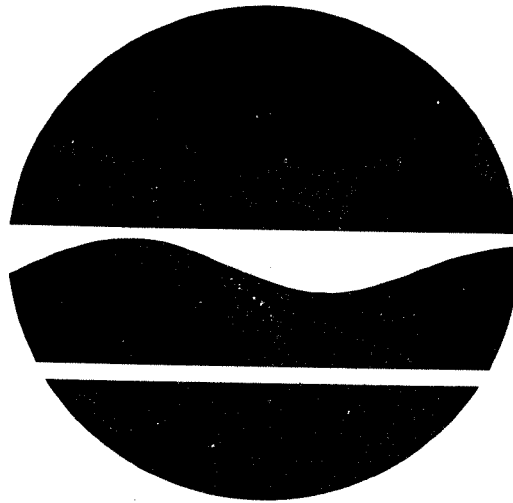
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NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
REMEDIATION SUMMARY REPORT

TIOGA CASTINGS SITE
VILLAGE OF OWEGO, TIOGA COUNTY
CONTRACT NO. D003500
SITE NO. 7-54-012



OCTOBER 1998

New York State Department of Environmental Conservation
GEORGE E. PATAKI, Governor JOHN P. CAHILL, Commissioner

REGION COUNTY TOWN NAME
~~Report~~

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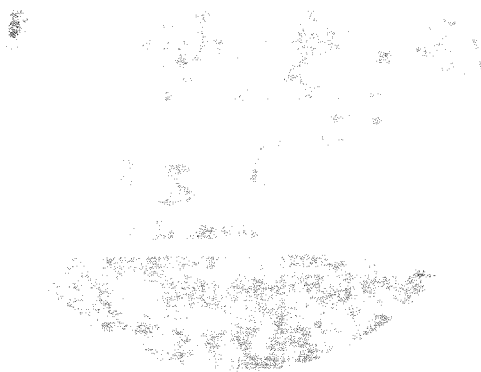
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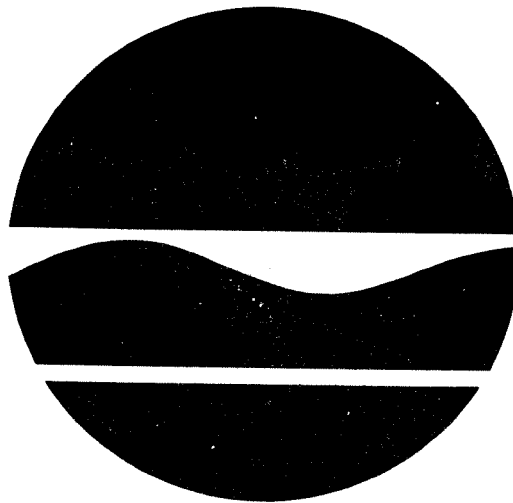
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NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
REMEDIATION SUMMARY REPORT

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VILLAGE OF OWEGO, TIOGA COUNTY
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OCTOBER 1998

New York State Department of Environmental Conservation
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B	Daily Inspection Reports
C	Progress Meeting Minutes
D	Soil Sample Analysis
E	Subcontractors
F	Fact Sheets

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EXECUTIVE SUMMARY

The New York State Department of Environmental Conservation (NYSDEC), provided construction inspection and engineering services during the remediation of the Tioga Castings Site (NYSDEC Site No. 7-54-012), Owego, New York. A full-time inspection and monitoring of remedial activities to ensure conformation with contract documents was provided by the Department's Region 7 staff with project management support from Bureau of Construction Services. Remediation work commenced on December 4, 1996 and substantial completion of the project was accomplished on June 25, 1997.

The remediation activities completed under this project included the excavation and consolidation under an on-site cap of all identified soils on site and off site that exceeded the established clean-up goals, placement of a low permeability cover over the on-site landfill, construction of a drainage swale around the landfill, cleanup of on-site septic tank, erecting a fence around the landfill area, backfilling the excavated areas and site restorations. Clean-up goals established for the site included site soils of chromium (50 mg/kg), lead (250 mg/kg for surface and 500 mg/kg for subsurface soils) and cadmium (10 mg/kg).

Remediation was performed by Tyree Organization Ltd., (Tyree) of 125 Commerce Drive, Brookfield, Connecticut 06804. Tyree was selected through a competitive public bidding process and contract awarded on November 20, 1996 to perform the work. Tyree submitted the lowest of nine (9) bids at \$410,789.20. The bid included Pollution Liability Insurance (see Table 1). The engineer's estimate and the documents were prepared by the NYSDEC.

The estimated and actual quantities for the remediation bid items are attached to Change Order No. 2 (see appendix A). The estimated unit quantities for remedial operations at the site were exceeded for seven (7) bid items due to additional areas of contaminated soils and sediments encountered. The number of soil samples were increased to delineate the extent and depth of contaminated areas requiring excavation. In total, seven (7) bid items were lower than the estimated quantities and one (1) item was not required.

There were two change orders issued during the project (see appendix A). Change Order No. 1 addressed excavation and disposal of increased quantities of contaminated sediments and pumping and disposal of liquids from septic tanks. Change Order No. 1 also extended the contract time to account for a winter shutdown. This change order increased the contract amount by \$7,210 and extended contract period by 59 days. Change Order No. 2 (the final change order) included several items and adjustments for actual bid items quantities. This change order increased the contract price by \$54,009.82.

The remediation of Tioga Castings Site was satisfactorily completed by Tyree. There were some problems encountered during the work. These included increased number of soil samples from under the concrete slab, increased quantity of soils requiring excavation and consolidation, septic tank cleanup and a claim for extra work items by Tyree. However, all these issues were satisfactorily addressed and the project completed. NYSDEC believes remediation was conducted in accordance with the Record of Decision and all applicable and appropriate state and federal regulations. The analytical laboratories utilized by Tyree complied with New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program.

Construction was completed in accordance with the contract documents entitled Remediation of the Tioga Castings Site, Tioga County, dated March 1996 and Addendum No. 1 to the Contract No. D003500, dated May 13, 1996. Substantial completion was June 25, 1997.

Project Certification:

The remedial activities described in this Remedial Summary Report at the Tioga Casting Site (NYSDEC Site No. 7-54-012) was completed in substantial conformance with the Design Plans, Specification, and approved Change Orders for the Project. Further, the project, to the extent practical, was conducted in accordance with the Record of Decision and applicable and appropriate state and federal regulations.



David A. Crosby, P.E.
Environmental Engineer
Project Manager
NYS Dept. Of Environmental Conservation
License No. 072498

SECTION 1.1 SITE LOCATION AND DESCRIPTION

Tioga Castings is a Class 2 site listed on the New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal Registry, No. 7-54-012. It is located on Foundry Street, off McMaster Street, in the Village of Oswego, Tioga County (see Figure #1). This site is approximately 7 acres on site and was operated as a foundry from the 1940's until 1988. On July 11, 1989 a fire destroyed most of the foundry structure.

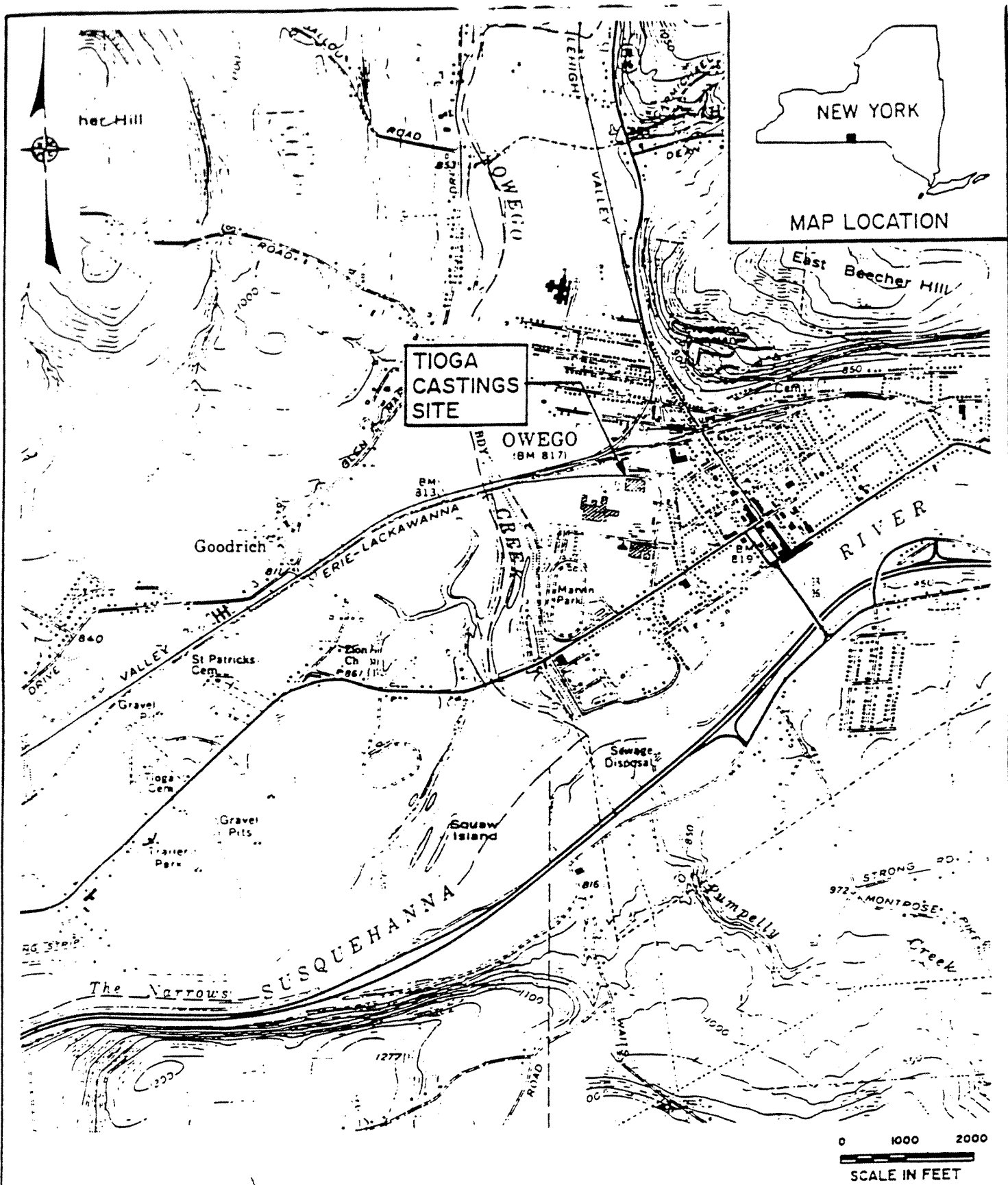
The former foundry building occupied the front (eastern) portion of the facility while the former landfill occupied the western edge of the former facility (see Figure #2). The former landfill is approximately one acre in size. The site is located in a residential/commercial area, adjacent to the Owego-Appalachian Middle School. The Owego Creek is located approximately one-half mile to the west and the Susquehanna River is located approximately one-half mile to the south of the site. During the installation of groundwater monitoring wells during site investigations, geological sampling was conducted at 5 foot intervals down to a depth of approximately 17 feet. Materials encountered below surface include silt, sand and gravel.

Groundwater below the site is generally encountered at approximately 10 to 15 feet below the ground surface, however there are seasonal fluctuation and the depth to groundwater can be shallower in the spring. Groundwater flow direction is generally to the south-southeast towards the Susquehanna River.

SECTION 1.2 SITE HISTORY

The facility was operated as a cupola type foundry for the production of grey iron castings from 1945 until 1988. Operations at the site included smelting of pig iron, scrap iron (including engine blocks), coke limestone and the use of phenol-formaldehyde treated sand to cast the iron. The process produced solid wastes which included sand molds, bentonite, fly ash, cast-iron grindings, and fine baghouse ash/cupola dust. These wastes were reportedly disposed of at an off-site facility until March 1979. The facility then operated an on site landfill for the disposal of its foundry wastes. After the facility ceased operations in 1988 the following materials were left on site; sand casts, drums of various materials, one-ton plastic lined bags of cupola dust as well as the material contained in the on site landfill. The cupola dust was analyzed for EP Toxicity and shown to be hazardous for lead and cadmium. On July 11, 1989, the facility had a fire which destroyed most of the foundry structure and left the remaining building structurally unsafe.

In 1989, surface soil samples were collected in and around the site. Lead was found as high as 15, 000 ppm at the former landfill area. Due to the conditions at the site, three Interim Remedial Measures were completed. In the fall of 1989, a perimeter



SOURCE: USGS OWEGO, N.Y. QUADRANGLE

TIOGA CASTINGS SITE
OWEGO, NEW YORK

SITE LOCATION MAP

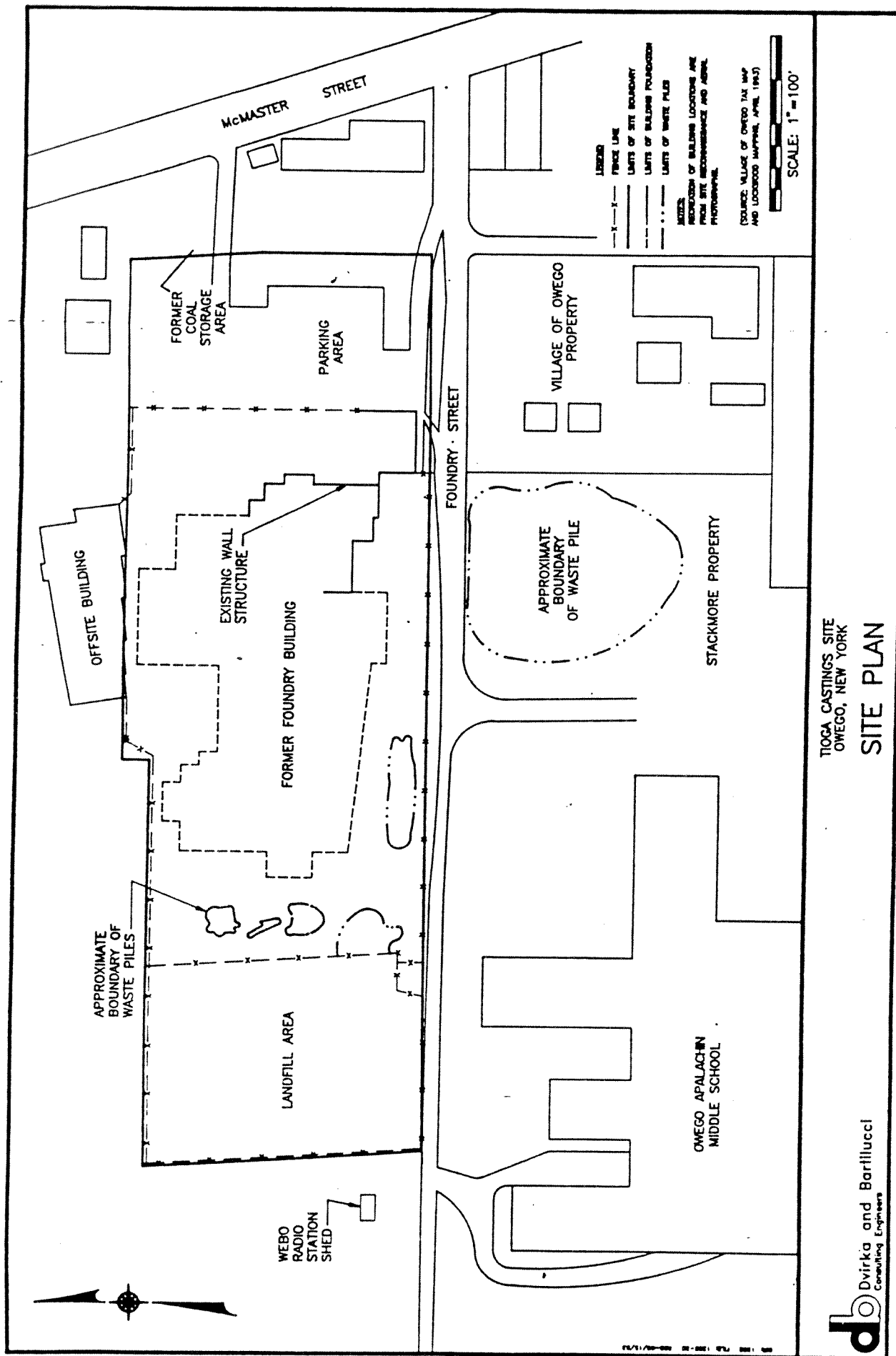


FIGURE 2

fence was erected to limit access to the property. In 1990, drums that had been left at site were removed from the site and disposed of properly. In August 1991, a temporary cover was placed over the landfill to minimize the potential for erosion of material at the landfill.

Under the State Superfund law, NYSDEC contracted with Dvirka and Bartilucci Consulting Engineers to perform a Remedial Investigation and Feasibility Study (RI/FS) which further characterized the nature and extent of the lead soil contamination and developed a list of potential remedial actions to address the site. The RI/FS was completed in December 1994.

The Record of Decision (ROD) for the site was signed in March 1995. The remedy selected for the site included the following:

- Maintaining a fence around the landfill and seeking deed restrictions to prevent site development activities in areas where contamination is present.
- Consolidation of the on site and off site soils and waste piles determined to be above site clean up goals. Placing these materials on the existing landfill.
- Placement of a low permeability cover over the on-site landfill.
- The on-site septic tank cleaned and filled with concrete.
- Operation and Maintenance of the remedy .
- Groundwater monitoring

2. SUMMARY OF REMEDIAL WORK

2.1 GENERAL OVERVIEW

On Thursday, March 26, 1997, a preconstruction conference was held at the on-site trailer at Tioga Castings Site. In attendance at the meeting were staff from NYSDEC, NYSDOH, the contractor and subcontractors. NYSDEC had issued a Notice to Proceed letter to Tyree on November 20, 1996 with a contract start date of December 4, 1996. It was agreed that site mobilization could begin after the winter weather. However, the contractor would do site related works like preliminary survey, pre-excavation soil sampling and the septic tank clean up. Project staff from NYSDEC included Mr. Amarinderjit S. Nagi, P.E., Project Manager, and Mr. John May, Construction Inspector. Mr. May provided full time on site inspection services from the onset of the project until completion with the occasional help from Ms. Chris Rossi from Department's Region 7 office.

On December 17, 1996, Tyree, and a subcontractor, Williams and Edsall, Land Surveyors began preliminary stakeout of the areas to be excavated, and the soil sample

locations. Tyree also collected samples from the septic tank to characterize the tank's liquid contents. On December 19 and 20, 1996 the first round of soil samples were taken using hand auger and a truck mounted geo-probe. Analytical results of the surface soil samples indicated contamination above the site specified remedial action objectives. A second round of soil sampling was performed by Tyree on January 23, 1997, again using a geo-probe. In addition, a third round was also performed on February 20, 1997 to characterize soil under a concrete pad. A jackhammer was used to break up concrete and the soil samples collected using a hand auger. This completed the delineation of areas requiring excavation.

On January 6, 1997, the septic tank contents were vacuumed into a tank truck and hauled off site as hazardous liquid to S&W Waste Inc., of South Kearny, New Jersey. Later that day, 11 cu. yds. of concrete were poured into the empty tank.

On March 24, 1997 Tyree mobilized on site and started clearing, grubbing, and other site preparation tasks. On April 3, 1997, Tyree started excavation of contaminated soil from areas delineated in the design plans and revised based on the pre-remediation sampling. The excavated soil was moved to the on-site, former landfill area, graded and compacted. A survey of the excavated areas was performed by the subcontractor, Williams and Edsall, before Tyree backfilled the excavation. The excavation was backfilled with approved soil supplied by Lopke Materials and RMS Gravel. Compaction tests on the backfilled areas were performed by Fagan Engineers. The excavation area was then seeded, fertilized, and mulched by Lifestyles Environmental Services.

Starting on April 30, 1997 (and following deposition of the excavated soil), the landfill area and the drainage swale were graded, shaped, and compacted. On May 15, 1997, Tyree placed the foundation layer over the consolidated material in the landfill. The foundation layer material was delivered by Lopke Materials. The depth of the foundation layer was checked by the DEC field representative and the required compaction tests were performed by Fagan Engineers. The foundation layer installation was completed by May 20, 1997.

On May 21, 1997, Chenango Contracting started to deploy the 60 Mil. HDPE liner which was supplied by Polyflex. The panels were attached to each other by hot-wedge fusion welding. Air testing of the seams and the destruction testing of welded joints was performed by Chenango Contracting. Confirmatory destruction tests were conducted Geotechnics. Patches were welded by Chenango using extrusion welders and tested with a vacuum box. A layer of J-D Rain 200 FNF geonet composite drainage layer was installed over the HDPE liner. Chenango Contracting used plastic wire ties to attach the geonet pieces and used a hand held sewing machine to attach the top layer of fabric. Select fill, supplied by Lopke, was used to cover the geonet composite layer in the landfill. On June 2, 1997, the first layer of 12 inches thick barrier protection material

was graded and rolled by Tyree. The installation of the second layer of 6 inch thick barrier protection material was completed on June 6, 1997. On June 9, 1997, Tyree added the top soil layer to the landfill. This material was delivered by RMS Gravel. The landfill cap was completed on June 16, 1997.

Chenango also laid down filter fabric in the landfill perimeter drainage swale and placed a stone backfilled over the fabric. The stone fill was supplied by RMS Gravel. The landfill area was seeded, fertilized and mulched by Lifestyles Environmental Services on June 18, 1997, using a hydro seeder.

On June 5, 1997, Rogers Fence Co. started installation of site fencing. The work consisted on installation of new fencing as required by the design and repairs to the existing fencing damaged during the remediation. Fence work was completed by June 17, 1997.

The land surveyor subcontractor, Williams and Edsall, set three survey monuments on June 11, 1997 and completed the field work for the final site topographic survey on June 17, 1997.

During the remediation it was determined that contamination extended further under the concrete slab in the former foundry building then previously anticipated. As such, a Change Order (CO) was issued to Tyree to collect soil samples for analysis from under the slab. Tyree collected 24 soil samples. The payment for this work (soil sampling) was negotiated with Tyree and was included in the Final Change Order No. 2. Both COs are appended to this report as Appendix A.

The soil sample results are presently being evaluated by the NYSDEC and the NYSDOH to determine if additional remedial efforts under the slab are required. Any additional remedial work, if necessary, will be conducted under a separate contract.

A substantial completion inspection was conducted by the Department on June 25, 1997. A punch list of items requiring work by the contractor was developed during the inspection. The work on the punch list items were completed by the contractor and verified by the Department on July 22, 1997.

SECTION 2.2 INSPECTIONS

Full-time oversight was provided by the Department staff and daily events recorded in the Daily Inspection Report. Copies of those reports are appended to this report as Appendix B.

SECTION 2.3 AIR MONITORING

Continuous air monitoring was conducted during all intrusive activities. Water spray was used to wet the soils to minimize dust. The work was stopped whenever the Department's inspector noticed a visible dust until corrective measures were taken. There were no complaints from neighboring residents or school officials about dust or noise.

SECTION 2.4 JOB MEETINGS

Meetings to monitor the work progress (including, shop drawings submittals, payment requests, and other issues) were conducted biweekly until substantial completion on June 25, 1997. The proceedings of the meetings were recorded in meeting minutes. Copies of these meeting minutes is provided in Appendix C.

SECTION 2.5 SOIL SAMPLING AND ANALYSIS

A total of 121 soil samples were collected for analysis in four rounds. The analysis of soil samples was tabulated for each round. The results of soil samples were used to delineate extent of soils that required to be excavated. Copies of the soil sample analysis is provided in the Appendix D.

SECTION 2.6 SUBCONTRACTORS

Tyree used various subcontractors and suppliers on different components to complete the project work. The subcontractors and suppliers that worked on site are listed in the Appendix E.

SECTION 2.7 FACT SHEETS

Construction start and completion fact sheets were issued and are appended to this report as Appendix F. A project briefing meeting was also held with the Village's Mayor and his staff prior to starting the project work.

c:\...\Tioga Castings\tiogarsm.wpd

APPENDIX A

CHANGE ORDERS

REMEDICATION OF TIOGA CASTING SITE
NYSDEC SITE NO. 7-54-012
STATE COMPTROLLER CONTRACT NO. D003500
CHANGE ORDER NO. 1

Change Order Amount: \$7,208.00

Date of Issue: March 3, 1997

Contractor: Tyree Organization, Ltd.
125 Commerce Drive
Brookfield, CT 06804

Change Order Items: This change order comprises of three (3) items described below:

I. CHANGE ORDER ITEMS

A. Change Order item 1 - Septic Tank cleanup

Description of Change:

This item comprises of cost of collecting and disposing septic tank contents.

Drawing Reference: Not Applicable

Specification Reference: Section 02005 of Supplementary Specifications Section
XI; Addendum No. 1

Contract Pay Item No.: 13A

Reason for Change:

The actual quantity of septic tank contents exceeded the estimated quantities
specified in the contract documents.

Cost:

Actual quantity of septic tank contents	1561 gallons
Estimated quantity provided in bids	750 gallons
Change Order quantity	811 gallons
Bid price for this item	\$8 per gallon
Change Order Cost	\$6488

B. Change Order Item 2 - Septic Tank Closure

Description of Change:

This item comprises of cost of filling the septic tank with concrete.

Drawing Reference: Not Applicable

Specification References: Section 02005 of Supplementary Specifications Section XI; Addendum No. 1

Contract Pay Item No.: 13B

Reason for Change:

Actual quantity of concrete required to fill the septic tank was higher than the quantity specified in the contract documents.

Drawing Reference: Not Applicable

Cost:

Actual quantity of concrete used	11 cyds
Estimated concrete quantity	5 cyds
Bid price	\$120 per cyd
Change Order Quantity	6 cyds
Change Order Cost	\$720.00

C. Change Order Item 3 - No Cost Time Extension

Description of Change

This item involves a time extension of 59 days (January 1 through February 28, 1997)

Drawing Reference: Not Applicable

Specification Reference: Article 6 of Section VI - Agreement

Contract Pay Item No.: Not Applicable

Reason for Change:

The contractor requested for no cost time extension in its November 15, 1996 (copy attached) letter. This was considered reasonable due to delay in the award of contract and the Department agreed in the November 20, 1996 Notice to Proceed letter (copy attached).

II. CHANGE ORDER SUMMARY

Item 1	Septic tank content disposal	\$6488
Item 2	Septic tank closure	\$ 720
Item 3	Time Extension	\$ 0

Total Change Order Amount: \$7208

III. CHANGE IN CONTRACT PRICE

Original Contract Price:	\$410,789.20
Contract Price after previous approved Change Orders:	410,789.20
Net Increase Due to this Change Order:	<u>7,208.00</u>

New Contract Price including this Change Order: \$417,997.20

IV. CHANGE IN CONTRACT TIME:

Notice to Proceed: December 4, 1996

SUBSTANTIAL COMPLETION FINAL COMPLETION

	<u>Calendar Days</u>	<u>Date</u>	<u>Calendar Days</u>	<u>Date</u>
Original Contract Time	180	June 1, 1997	240	July 31, 1997
Contract Time after previous Change Orders	180	June 1, 1997	240	July 31, 1997
Net Increase due to this Change Order	59		59	
New Contract Time including this Change Order	239	July 31, 1997	299	September 29, 1997

It is understood and agreed that, unless expressly so stated above, the work herein authorized will not extend the time for completion of the Contract.

It is understood and agreed that this change order represents full and complete compensation for all work described herein.

This work is to be performed in accordance with the terms of the Contract and original plans and specifications, except as herein modified. It is also understood and agreed that this change order shall be deemed executory only to the extent of moneys available and no liability shall be incurred by the State beyond the moneys available for the purpose.

CONTRACT NUMBER D003500

IN WITNESS WHEREOF, representatives of the Department and the Contractor have executed this Contract on the day and year written beneath their respective signatures. The signatory for the Department provides the following Agency Certification: "In addition to the acceptance of this contract, I also certify that original copies of this signature page will be attached to all other exact copies of this contract."

Recommended:

By: M. J. [Signature]

Title: DIR DEL

Date: 3/21/97

FOR NYSDEC ENGINEER

By: [Signature]

Title: EE II

Date: 3-18-97

Approved as to Form:

By: _____
Attorney General

FOR DEPARTMENT

By: [Signature]

Title: Supv of Inspects

Date: 4/2/97

FOR CONTRACTOR

By: [Signature]

Title: Vice President

Date: 3/10/97

Approved: Thomas R. Jammone

Date: _____
State Comptroller

Date: _____

Date: APR 18 1997

STATE OF CONNECTICUT

) SS: Brimfield

COUNTY OF Fairfield

On the 10 day of MARCH, 1997, before me personally came Stephen Tyree, to me known, who being duly sworn, did depose and say that ~~(s)~~he resides in WILTON, CONNECTICUT, New York: that ~~(s)~~he is Vice President of Tyree Organization, Ltd, the corporation described in and which executed the above instrument; that ~~(s)~~he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the Board of Directors of said corporation and that ~~(s)~~he signed his/her name thereto by the same authority.

[Signature]

Notary Public
RICHARD M. CALKINS
NOTARY PUBLIC

MY COMMISSION EXPIRES MARCH 31 1997

STATE OF)
) SS:
COUNTY OF)

On the _____ day of _____, 19____, before me personally came _____, to me known, who being duly sworn, did depose and say that (s)he resides in _____, New York: that (s)he is _____ of _____, the corporation described in and which executed the above instrument; that (s)he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the Board of Directors of said corporation and that (s)he signed his/her name thereto by the same authority.

Notary Public

STATE OF)
) SS:
COUNTY OF)

On the _____ day of _____, 19____, before me personally came _____, to me known and, being duly sworn, stated that (s)he is a member of employee of _____, the firm described in and which executed the foregoing instrument, and (s)he acknowledged to me that (s)he subscribed his/her name thereto on behalf of said firm.

Notary Public

STATE OF)
) SS:
COUNTY OF)

On the _____ day of _____, 19____, before me personally came _____, to me known and, being duly sworn, stated that (s)he is a member of employee of _____, the firm described in and which executed the foregoing instrument, and (s)he acknowledged to me that (s)he subscribed his/her name thereto on behalf of said firm.

Notary Public

STATE OF)
) SS:
COUNTY OF)

On the _____ day of _____, 19____, before me personally came _____, to me personally known, and known to me to be the individual described in, and who executed the foregoing instrument, and (s)he duly acknowledged to me that (s)he executed the same.

Notary Public

STATE OF)
) SS:
COUNTY OF)

On the _____ day of _____, 19____, before me personally came _____, to me personally known, and known to me to be the individual described in, and who executed the foregoing instrument, and (s)he duly acknowledged to me that (s)he executed the same.

Notary Public

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

NOV 20 1996

LETTER FAXED

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Stephen J. Tyree
The Tyree Organization Ltd.
125 Commerce Drive
Brookfield, Connecticut 06804

Dear Mr. Tyree:

Re: Site No. 7-54-012
Tioga Casting Site
Owego, Tioga County

I am pleased to inform you that your company, Tyree Organization Ltd. (TOL), has been awarded the contract for the remediation at the Tioga Casting Site, Owego, in the amount of four hundred nine thousand, seven hundred eighty-nine dollars and twenty cents (\$409,789.20) for construction plus one thousand (\$1,000.00) for pollution liability insurance for a total contract amount of four hundred ten thousand, seven hundred eighty-nine dollars and twenty cents (\$410,789.20). All work must be performed in accordance with the specifications and must be completed within the substantial completion time specified in Article 6, Section VI of the Contract Documents.

This letter serves as Notice to Proceed and establishes the contract start date of December 4, 1996. However, the Department agrees to process a change order granting TOL a no cost time extension for the period January 1 through February 28, 1997 as requested in your letter of November 15, 1996. The project substantial completion date is July 31, 1997 and the final completion date is September 29, 1997. TOL will conduct preliminary survey, soil sampling and septic tank closure during the month of December 1996 and remobilize in March 1997. Also, enclosed is an executed copy of the approved Contract Documents and the May 16, 1996 Bid Bond you submitted with your bid.

Mr. Stephen J. Tyree

Page 2

The following items must be submitted to the Department:

1. Two (2) copies of a proposed work schedule and other deliverables in accordance with Article 1 of the General Conditions in the Contract Documents and within ten (10) days of the date of this letter. This schedule should outline in detail the expected activities throughout the contract duration.
2. Experience and background of all proposed subcontractors in accordance with Article 3 of Section 3 in the Contract Documents. They must be submitted to the Department within ten (10) days of the date of this letter and they shall include name, address, telephone number, contract, type of work to be subcontracted, dollar amount and M/WBE status. Note that all the subcontractors over \$10,000 must submit a completed New York State Uniform Contracting Questionnaire prior to initiating work at the site. No subcontractor can begin work without written approval of the Department. Percentage of subcontracting work shall not exceed 40% for this contract.

Please note that this contract has been assigned number D003500. Please refer to this number in all correspondence relating to this contract.

As the Department's authorized representative for the subject contract, I name as my designee, Mr. George Harris, P.E., Chief, Western Field Services Section. This is in accordance with Article 2, Authorized Representative, in Section IV of the Contract Documents. Mr. Harris may be reached at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation
Room 267
50 Wolf Road
Albany, New York 12233-7010

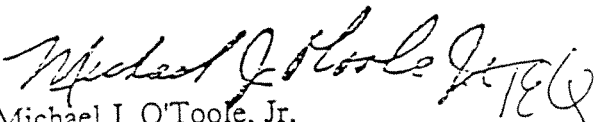
As my designee, Mr. Harris will act in the capacity of the Department's authorized representative for the execution of and for approvals and directions called for in this contract.

Mr. Stephen J. Tyree

Page 3

If you have any questions, please contact Mr. George Harris, P.E., or Amar Nagi, Project Manager, of my staff, at (518) 457-7878.

Sincerely,

A handwritten signature in cursive script, reading "Michael J. O'Toole, Jr.", followed by a large, stylized flourish.

Michael J. O'Toole, Jr.

Director

Division of Environmental Remediation

Enclosures

Tyree Organization, Ltd.

125 Commerce Drive, Brookfield, CT 06804 • Fax: 203-740-8201 • Phone: 203-740-8200

November 15, 1996

Mr. Amar Nagi
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

Re: Request for No Cost Time Extension
Tioga Castings Project
Owego, New York
NYSDEC Site No. 7-54-012

Dear Mr. Nagi:

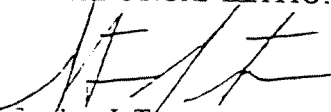
In anticipation of the forthcoming signed contract and Notice to Proceed for the Tioga Castings Project, Tyree Organization, Ltd. hereby requests that a "No Cost Time Extension" be granted. As demonstrated in the attached Proposed Schedule of Project Completion, Tyree anticipates initiating work at the project site on or about December 16, 1996. We plan to complete the preliminary surveying work, soil sampling program and the closure of the septic tank as part of this first phase of work. However, due to constraints imposed by the impending winter weather, Tyree plans to suspend work on the project between January 1 and February 28, 1997. As the signed contract and Notice to Proceed for this project have been subjected to significant time delays, beyond Tyree's control, Tyree requests that a "No Cost Time Extension" be granted to allow completion of the project by July 31, 1996.

Attached please find a revised Proposed Schedule of Project Completion and a list of proposed subcontractors for work to be conducted during December, 1996. A completed MBE/WBE Utilization Plan will be being forwarded to Mr. Vincente Alfonso within the next several days indicating the same selection of subcontractors.

Once again, Tyree looks forward to initiating work with the NYSDEC at the Tioga Castings site in the near future. If you have any questions or concerns regarding this request, please do not hesitate to contact Ted Stevens, Hallie Vitolo or myself.

Sincerely,

TYREE ORGANIZATION, LTD.



Stephen J. Tyree

Attachments

cc: Ted J. Stevens, Tyree Organization, Ltd.
Hallie A. Vitolo, Tyree Organization, Ltd.

en: vitolo-tioga-nocost11.doc

**REMEDICATION OF TIOGA CASTINGS SITE
NYSDEC SITE NO. 7-54-012
CONTRACT NO. D003500
CHANGE ORDER NO. 2 (FINAL)**

Change Order Amount: \$54,009.82 **Date of Issue:** October 30, 1997

Contractor's Name: Tyree Organization Ltd.
125 Commerce Drive
Brookfield, CT 06804

Change Order Items: This change order comprises of six items described below.

I. CHANGE ORDER ITEMS

- A. Soil Sampling Through Concrete:** This change in the original contract is for cost associated with subsurface soil sampling through concrete.

Description of Change: Reference proposed Change Order No. 1 attached.

Reason for Change: Some subsurface soil samples had to be collected through concrete to delineate the extent of excavation and to address concerns raised by the New York State Department of Health.

Cost:

No. of Samples	#53
Unit Prices	\$ 145.00
Total Cost for this item	\$7,685.00

The unit price of \$145.00 for collection and analysis of each soil sample was negotiated with the contractor based on the contractor's June 10, 1997 proposal and the engineer's cost estimate. This unit price is reasonable.

B. Site Clearing and Surveying

Description of Change: This change includes additional areas that required site clearing and grubbing, and surveying. Soil excavation was determined to be necessary in these additional areas.

Drawing Reference - Sheet No. 2 of Contract Documents

Specification Reference - Supplementary Specifications Sections
02101 and 01050

Contract Pay Item: Bid Item 1, bid breakdown.

Reason for Change: The areas requiring remediation expanded significantly based on the soil sampling conducted at the site. These areas had to be cleared of existing bushes and surveyed for completion of the remediation.

Cost:

Estimated areas for remediation	35823.5 sq. ft.
Actual areas remediated	54047.5 sq. ft.
Additional area remediated	18224 sq. ft.
Contractor's bid amount per bid breakdown for	
Clearing and grubbing	\$20,900.00
Surveying	\$19,055.00
Total	\$39,955.00
Additional Cost	$\$39,955 \times 18224/35823.5$
	= \$20,325.75

C. Surface Debris Relocation

Description of Change: The item covers cost of relocating surface debris from expanded portions of areas B, G and H.

Drawing Reference - Sheet No. 2 of Contract Documents

Specification Reference - Supplementary Specifications Section 02075

Contract Pay Item - Bid Item No. 4

Reason for Change : The areas B, G and H requiring excavation and relocation of surficial debris expanded as result of soil sampling data.

Cost:

Estimated areas B, G and H	20902.5 sq. ft.
Actual areas B, G and H	35787.5 sq. ft.
Additional area	14885.0 sq. ft.
Bid Price for estimated area	\$2,287.00
Cost for additional area	$2287 \times 14885/20902.5$
	= \$1,628.61

D. Railroad Ties and Concrete Removal

Description of Change: This item includes the cost of removing railroad ties and concrete pedestals from areas A, B, D and G.

Drawing Reference - Sheet No. 2 of Contract Documents

Specification Reference - Supplementary Specifications Section 02076

Concrete Pay Item - None

Reason for Change: Concrete pedestals and railroad ties were encountered and had to be removed from areas A, B, D and G to excavate contaminated soils to complete the site remediation. The contract specified soils to be removed up to 12" depth, deeper excavation was required on the basis of verification sample results from those areas.

Cost: The contract does not have a line item for this work. The payment to contractor is recommended on Time and Material basis.

Labor

Excavation Operator - 24 hrs @ \$36.13	=	\$ 867.12
Work Truck Operator - 18 hrs @ \$36.13	=	\$ 650.34
Dump Truck Operator - 9 hrs @ \$32.65	=	\$ 293.85
Laborer - 23 hrs @ \$30.62	=	\$ 704.26
Backhoe Operator - 5 hrs @ \$35.22	=	\$ 176.10

Total Labor		\$2,691.67
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Equipment

Excavator - 24 hrs @ \$48.40	=	\$1,161.60
Work Truck - 18 hrs @ \$25.05	=	\$ 450.90
Dump Truck - 9 hrs @ \$25.05	=	\$ 225.45
Backhoe - 5 hrs @ \$26.75	=	\$ 133.75
Low body trailer - 18 hrs @ 6.78	=	\$ 122.04
Total Equipment		\$2,093.74

Total Labor including 15% Overhead and Profit	\$3,095.42
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Total Equipment including 10% Overhead and Profit	\$2,303.11
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Total	\$5,398.53
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GENERAL INFORMATION
Seneca Meadows File Number _____

PHYSICAL CHARACTERISTIC: <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SLUDGE		**MINIMUM % OF SOLIDS <u>99</u> ** FOR WASTE STREAM	
ACCEPTABLE LEVEL OF SOLIDS MUST EXCEED 30% TO BE LANDFILLED			
ODOR: <input checked="" type="checkbox"/> None <input type="checkbox"/> Mild <input type="checkbox"/> Strong		TRANSPORTATION: <input checked="" type="checkbox"/> Roll off <input type="checkbox"/> Trailer <input type="checkbox"/> Packer <input type="checkbox"/> Other	
NO DRUMS ARE ACCEPTABLE			
IS REQUEST: <input checked="" type="checkbox"/> ONE TIME ONLY Appx. Amount <u>20</u> Tons <input type="checkbox"/> ON GOING Amount Monthly _____ Tons			
IS THE WASTE STREAM: <input checked="" type="checkbox"/> Stockpiled <input type="checkbox"/> To Be Excavated <input type="checkbox"/> To Be Generated			
WHAT IS MAXIMUM TONNAGE FOR ANY GIVEN DAY: _____ Tons			
BRIEFLY DESCRIBE ANY SPECIAL HANDLING THAT COULD BE REQUIRED FOR THIS WASTE STREAM: (eg) dust, protective clothing, etc.			

GENERATORS CERTIFICATION TO SENECA MEADOWS LANDFILL

(PLEASE INITIAL AFTER EACH ITEM)

I/We hereby certify that all of the information that we have presented to SENECA MEADOWS LANDFILL on this form or any attachments is an accurate representation of our waste stream.

JAM

I/We hereby certify that the laboratory can contact SENECA MEADOWS LANDFILL directly to discuss our attached waste stream.

JAM

I/We hereby certify that the waste stream that we are applying for disposal at SENECA MEADOWS LANDFILL is not a listed known hazardous waste. In addition, none of the components of the process, or any residue generated are known hazardous wastes.

JAM

I/We hereby agree that any changes in this waste stream, either in the process method or changes of any of the components, that we will notify SENECA MEADOWS in writing within 24 hours of our findings. (FAX IS PREFERENTIAL METHOD).

JAM

NAME John A May SIGNATURE John A May
TITLE Sanitary Const. Inspector II DATE 5/14/97

WHITE — Seneca Meadows

YELLOW — Laboratory

PINK — Generator

Revised 11/1/93

INDUSTRIAL WASTE CHARACTERIZATION INFORMATION

Section One - General Project Information (please complete in full where applicable)

If not applicable to your circumstances, denote with "NA"

Site/Project Engineering Company :

Contact Person : John A May

Company Name : NYSDEC

Address : 1 Foundry St. Owego, N.Y.

Phone Number : 607-687-1158

General Contractor :

Contact Person : TONYA MANKOWSKI

Company Name : TYREE ORGANIZATION LTD.

Address : 1 FOUNDRY ST. OWEGO, NY

Phone Number : 607-687-8592

SMI Customer to be Billed Data :

Contact Person : _____

Company Name : _____

Address : _____

Phone Number : _____

Site Owner : TIOGA CASTINGS COMPANY

Contact Person : _____

Company Name : _____

Address : _____

Phone Number : _____

Is the material a listed hazardous waste?

☐ YES

☒ NO

Description and type of waste:

Stumps

NYSDEC Waste Type Code :

N

Comments :

Section Two - Site Information (please complete in full where applicable)

If not applicable to your circumstances, denote with "NA"

Was the site ever suspected of having hazardous materials?

☒ YES ☐ NO

What was the source of the potential hazardous materials?

Dust

Cupola

Which hazardous compounds were suspected?

Chromium, cadmium

Lead

Has testing been performed to quantify these compounds?

☒ YES ☐ NO

Contact Person : John May
Company Name : NYSDEC
Address : #1 Foundry St., Utica
Phone Number : 602-687-1158

☒ YES ☐ NO

☒ YES ☐

5amps

are not hazardous

☒ YES

	NO
--	----

754012

☒ YES ☐ NO

(SMI may have to charge a nominal administration fee for providing this information at a later date if not notified appropriately herein)

Additional Comments, handling precautions or supplemental information



ONE RESEARCH CIRCLE WAMPORR, NY 14142
TELEPHONE (716) 733-1333 FAX (716) 733-1400

DATE May 2, 1997

LAB SAMPLE NO. 48886

Tyree Company, Inc.
Ralph Vitolo
125 Commerce Drive

Brookfield CT 06804

SAMPLE SOURCE	TIoga CASTING OWEGO, NY
ORIGIN	48886
DESCRIPTION	TOLP EXTRACT
SAMPLED ON	04/25/97 by TM
DATE RECEIVED	04/25/97
P.O. NO.	

Analysis's Performed	Result	Units	Maximum Contaminant Level	Date Analyzed	Method	Notebook Reference	Analyst
Cadmium	ND<0.050	mg/L	1.0	04/30/97	EPA 6010	97-060-03	DGR
Chromium	0.114	mg/L	5.0	04/30/97	EPA 6010	97-060-03	DGR
Lead	ND<0.440	mg/L	5.0	04/30/97	EPA 6010	97-060-03	DGR

For questions regarding this report, please call Customer Services.

cc: 1

CC: NY 10262 NJ 73162 PA 66180 EPA NY 00033

Approved by: Lab Director

ND = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of those per-
formances. Your samples will be discarded after 14 days unless we are advised otherwise.

Since 1963



ONE SEARCH CIRCLE WATERTOWN, NY 14890
TELEPHONE (607) 861-1000 FAX (607) 861-1050

DATE May 1, 1997

LAB SAMPLE NO 48868

Tyree Company, Inc.
Hallie Vitolo
125 Commerce Drive
Brockfield CT 06804

SAMPLE SOURCE	TIoga CASTINGS OWEGO, NY
ORIGIN	STUMPS
DESCRIPTION	GRAB
SAMPLED ON	04/28/97 by TM
DATE RECEIVED	04/28/97
P.O. NO.	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference	Analyst
TCLP Extraction	*		04/29/97	EPA 1311	96-195-59	RCM
% Total Solids	100	percent	04/29/97	EPA 1311	96-195-59	RCM

For questions regarding this report, please call Customer Services.
cc :

NY 10252 NJ 73183 PA 68160 EPA NY 00033 Approved by: Lab Director

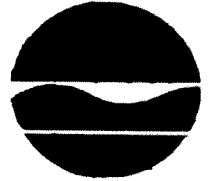
KEY ND = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank U = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.
Your samples will be discarded after 14 days unless we are advised otherwise.

NO. 1 family hearing about your analytical needs... Since 1968.

* Rush by 5/2/97

New York State Department of Environmental Conservation
615 Erie Boulevard West
Syracuse, NY 13204-2400
Telephone: (315) 426-7551



John P. Cahill
Acting Commissioner

MEMORANDUM

TO: Amar Nagi
FROM: John May
SUBJECT: Tioga Castings Site Contract No. D003500
DATE: June 13, 1997

Yesterday, June 12, 1997, I drove to the G.E. Capital Sales & Service Center located in Carteret, N.J. I inspected a 10'X 32' office trailer submitted by Tyree Organization Ltd. to meet the terms of the contract section 01590. The trailer shown to me, #041605, appears to be in good condition and in my opinion meets our contract specifications.

If you have any additional questions or need more information please contact me in my Owego field office.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>6/13/97</u>	I.R. No. <u>65</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>3</u>	AM	PM
Location: <u>McMaster St. Oswego</u>	Weather	<u>Cloudy</u>	<u>Sunny</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>65°</u>	<u>80°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(608) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) Tyree graded topsoil on the land fill. They loaded cut up utility poles into a Taylor Garbage Service roll off. Roger's Fence Co. installed the new fence fabric and gate at the Southeast land fill entrance. They made repairs to the existing fence in area G.

(PM) Roger's Fence Co. made repairs to the existing fence in areas G & B.

Site Visitors	Representing	Entered exclusion zone

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Royer's Fence Co. worked from 7:00 to 5:00
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Super	1		
dozer	1				Equip. Op.	2		
backhoe	1				Slewrite	1		
Tractor/palce	1				Foreman		1	
rack truck	1	1			Laborer		2	

Prime Contractor worked from 6:00 to 12:00

Comments: Fence repairs are going well.
Dump truck off site.

Items of concern:

Attachments to this report: Memo to Amar Nagi. Re: trailer

Inspector's Name (Print): John A. Mag

Inspector's Signature: John A. Mag

Date: 6/13/97

Reviewed by: _____

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>6/12/97</u>	I.R. No. <u>64</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>3</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Sunny</u>	<u>Showers</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>60°</u>	<u>80°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) RMS Gravel hauled topsoil to the landfill and area H. Roger's Fence Co. installed new fence fabric the the new fence posts on the East side of the landfill. They also made repairs to the existing fence on the South & North sides of the landfill.

(PM) Tyree graded topsoil on the landfill. They loaded stumps and ppe into a rolloff. The rolloff was hauled off site by Price Trucking. Roger's Fence Co. continued to work on the new fence and made repairs to the existing fence South of H, G & in B.

Site Visitors	Representing	Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 (VISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: Roger's Fence Co. worked from _____ to _____
 Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office trailer	1				Superintendent	1		
dozer	1				Equip. Op.	2		
backhoe	1				Fireman		1	
tractor/pallet	1				Laborer		2	
rack truck	1	1			Security	1		

Prime Contractor worked from _____ to _____

Comments: I drove a Tyree car to N.J. to look at a construction office trailer for Saratoga. G.E. Capitol Modular Space - Carteret, N.J. Trailer # 041605 appeared to be in good condition. 10'X32' It will meet our specs. The excavator was taken off site.

Items of concern:

Attachments to this report: Haz. Waste Manifest - 000002

Inspector's Name (Print): John A. May
 Inspector's Signature: John A. May Date: 6/12/97
 Reviewed by: _____ Date: _____

HAZARDOUS WASTE MANIFEST

UNIFORM HAZARDOUS WASTE MANIFEST

NY D O C 4 3 6 7 9

NY B 857350 8

NY State Dept. of Env. Con.
1 Bowling Street, 12th Fl. NY 10038
Tel: (212) 318 457-7878

1. US EPA ID Number

2. US EPA ID Number

3. US EPA ID Number

Same

4. State of origin

5. State of destination

6. State of destination

7. State of destination

8. State of destination

CM Chemical Services, Inc.
1550 Balmer Road
Madison City, NY 14107

NY D O C 4 3 6 7 9

716/754 2953

12. Name of the person or company to whom the waste is being sent

13. Name of the person or company to whom the waste is being sent

14. Name of the person or company to whom the waste is being sent

15. Name of the person or company to whom the waste is being sent

16. Name of the person or company to whom the waste is being sent

17. Name of the person or company to whom the waste is being sent

18. Hazardous Waste Solid, N.O.S. 9, NAC07 111
(EPA ID08)

CM

P

STATE

EPA

STATE

EPA

STATE

EPA

STATE

EPA

19. Name of the person or company to whom the waste is being sent

App#

Emergency Contact: Capitol Environmental Services (703) 356-3135 EPC-171

19. GENERATOR'S CERTIFICATION

Signature

Signature

Signature

Signature

NEW YORK STATE DEPARTMENT OF ENVIRONMENT, CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>6/11/97</u>	I.R. No. <u>63</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nagi</u>	Temperature	<u>70°</u>	<u>85°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) RMS Gravel delivered topsoil to the land fill. Tyree graded topsoil on the western 1/2 of the land fill. They also added stone fill to the areas found by me to be less than 12" thick. Additional barrier protection material was graded and compacted in the Northern ~~part~~ quarter of the land fill to correct the area found lacking on 6/5/97. This area was then topsoiled. The 6th progress meeting took place in the site trailer.

(PM) RMS delivered topsoil to the landfill. The surveyor set forms and poured concrete for the three monuments. Finished the top and added our metal caps. Tyree moved tree limbs and branches dumped in the Village DPH yard by Bob's tree service to another location as per the Village DPH's direction.

Site Visitors	Representing	Entered exclusion zone
Robbin Lee	Hydroseed sub.	
Amar Nagi	NYSDEC	
Hallic Vitolo	Tyree Org. Ltd.	

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: N.E. Donaldson worked from 7:00 to 4:30
Subcontractor B: Williams & Edsell worked from 12:00 to 3:00

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office trailer	1				Superintendent	1		
door	1				Eq. Op.	2	1	
roller	1				Surveyor			1
backhoe	1				Security	1		
track excavator	1							
dump truck		1						
tractor/valve	1							

Prime Contractor worked from 7:00 to 4:30

Comments: The roller was hauled off site this afternoon.

Items of concern:

Attachments to this report:

Inspector's Name (Print):

Inspector's Signature:

Reviewed by:

Date:

Date:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>6/10/97</u>	I.R. No. _____	
Site Name: <u>Tioga Castings</u>	Sheet _____ of _____	AM	PM
Location: <u>McMasters St Chicago</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nigam</u>	Temperature	<u>75-75</u>	<u>75-85</u>
Contractor: <u>Lyree Organization</u>	Wind (Dir./Vel.)	<u>NE</u>	<u>NE</u>
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

Reared top soil onto landfill and surround
areas. Contractor graded, rolled and
spread top soil
excavator mainly worked on east & west slopes
roller was on mostly east slope
raked areas which top soil had been spread.

Site Visitors

Representing

Entered exclusion zone

47-15-13(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
VISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: NE D. ALDSON worked from _____ to _____
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Off-highway					Super	1		
dozer					operators	2	1	
roller					Security	1		
track excavator								
Front loader/rake								
water tank								
Dump truck								
rock truck								
backhoe								

Prime Contractor worked from _____ to _____

Comments: Signed "Generator Profile" form which just described the tree stumps to Chem. Waste which is CO. which is writing the haz waste manifest to take ~~8~~ stumps to mobile site. Contractor concerned RES (topsoil CO) is out (of screened) topsoil wants to go to LOPKE BUT this has not been tested called Eng. NOT avail. will have to wait for gas. Contractor wants to finish Friday 6/13/97

Items of concern:

Attachments to this report:

Inspector's Name (Print): Christine Ross
Inspector's Signature: Christine Ross Date: 6/10/97
Reviewed by: _____ Date: _____

Site Code No. <u>754012</u>	Date <u>6/9/97</u>	I.R. No. <u>61</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Aman Negi</u>	Temperature	<u>65°</u>	<u>75°</u>
Contractor: <u>Tyree Organization Ltd</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) RMS Gravel delivered topsoil to area H and the landfill. The prime contractor place stone fill over filter fabric on the landfill side of the fence in the North swale.

(PM) RMS continued to deliver topsoil to the landfill. They also delivered two loads of stone fill. The prime contractor graded topsoil in areas I & G. They also placed stone fill over filter fabric on the landfill side of the fence in the North swale.

Site Visitors	Representing	Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: N. E. Donaldson worked from 8:00 to 4:30
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office trailer	1				Superintendent	1		
dozer	1				Equip. Op	2	1	
backhoe	1				Security	1		
rack truck	1							
roller	1							
dump truck		1						
Tractor/rake				1				

Prime Contractor worked from 8:00 to 4:30

Comments:

Items of concern:

Attachments to this report: ~~John A. May~~

Inspector's Name (Print): John A. May

Inspector's Signature: John A. May

Date: 6/9/97

Reviewed by: _____

Date: _____

STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>6/6/97</u>	I.R. No. <u>60</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nagi</u>	Temperature	<u>60°</u>	<u>75°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

Lopke delivered four loads of common fill to bring the 2nd lift of barrier protection up to grade on the North side of the landfill. RMS Gravel delivered topsoil to area H and the landfill. Tyree placed stone fill over filter fabric outside the fence on the North side of the landfill. They also regraded common fill in area H.

Site Visitors

Representing

Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: N. E. Donaldson worked from 6:00 to 12:00

Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office trailer	1				Superintendent	1		
dozer	1				Equip. Op	2	1	
roller	1				security	1		
backhoe	1							
track excavator	1							
dump truck		1						
rack truck	1							

Prime Contractor worked from 6:00 to 12:00

Comments:

Items of concern:

Attachments to this report:

Inspector's Name (Print):

Inspector's Signature: John A. May Date: 6/6/97

Reviewed by: _____ Date: _____

Site Code No. <u>754012</u>	Date <u>6/5/91</u>	I.R. No. <u>59</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>3</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Aman Nogi</u>	Temperature	<u>60°</u>	<u>75°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>607 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) The prime contractor shaped the slope outside the N fence line. They placed the filter fabric under the fence and bonded it with another piece using heat and pressure. Fager Engineers took compaction tests on the 2nd lift of barrier protection material. The fence subcontractor augered the holes for the new fence posts along the East side of the land fill.

(PM) Rogers fence augered holes for new fence and gate in the Southeast corner. C&C Concrete delivered concrete for the fence. It was poured & the posts set. The prime contractor placed stone fill over filter fabric in the swale outside the North fence. They also graded topsoil outside the fence in area B.

Site Visitors	Representing	Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: N.E. Donaldsonworked from 7:00 to 4:30Subcontractor B: Rogers Fence Co.worked from 10:00 to 4:30

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Offline Trailer	1				Superintendent	1		
dozer				1	Equip. Op.	2	1	1
roller				1	Foreman			1
backhoe	1				Security	1		
track excavator	1							
dump truck		1						
Rack truck	1							
Auger truck			1					
Trailer & trailer			1					

Prime Contractor worked from 7:00 to 4:30

Comments: I checked thickness of 2nd barrier protection lift, one location of 1st lift, and stone fill in West, South, and East swale. See attached sheet.
The Village of Oswego has now asked that the firewood delivered to their yard by Bob's Tree Service be taken away. Tree hauled one load off today.

Items of concern: Fence subcontractor surprised at the amount of repairs to the existing fence needed.

Attachments to this report:

Inspector's Name (Print):

John A May

Inspector's Signature:

John A May

Date:

6/5/97

Reviewed by:

Date:

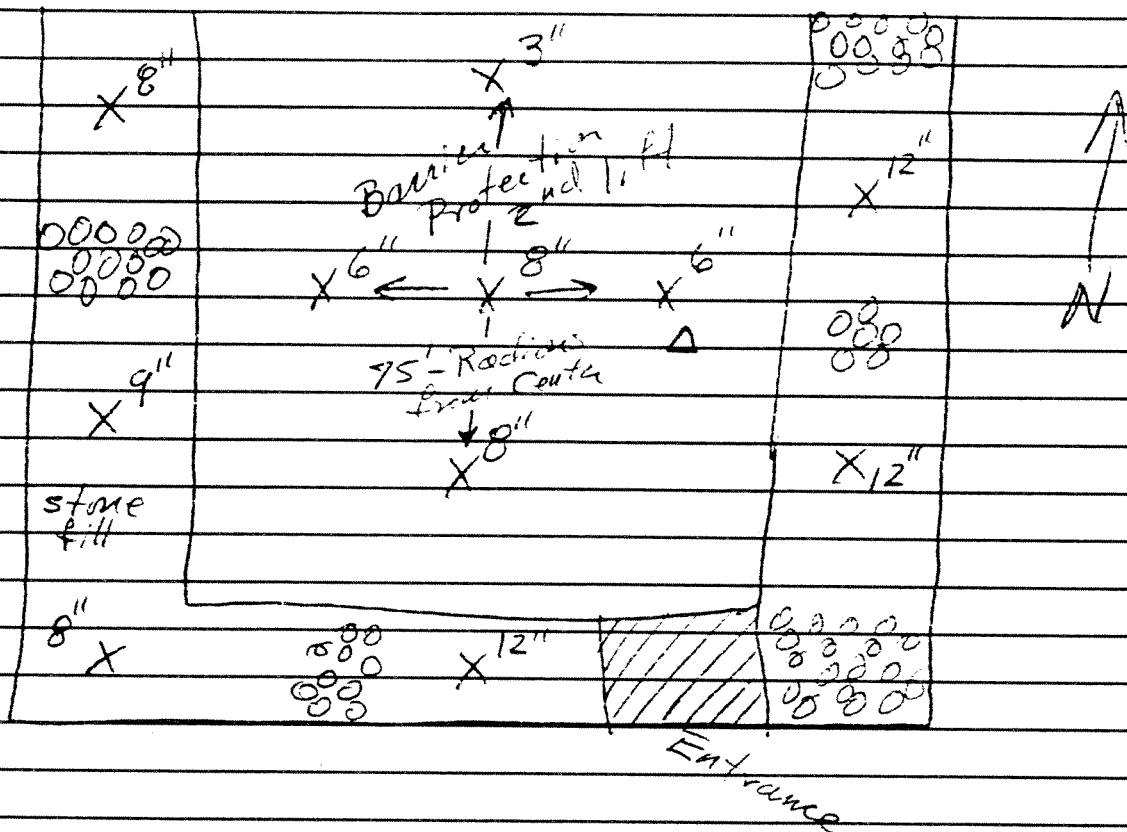
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT
ADDITIONAL COMMENTS

Supplement to Report No. 59

Dated 6/5/97

Site Code No. 754012

Site Name Tioga Castings



Δ - Barrier Protection 1st lift rechecked. 12"

Site Code No. <u>754012</u>	Date <u>6/4/97</u>	I.R. No. <u>58</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>Nic Master St., Owego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>60</u>	<u>75</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) Lophic delivered common fill to the landfill. It was graded and compacted as the 2nd lift of barrier protection material. The south half of the landfill was completed in the morning.

(PM) Lophic delivered common fill to the landfill. The prime contractor graded and compacted the 2nd lift of barrier protection. 90% completed today. Brush and trees cut outside the fence on the North side. The area to be filled with stone fill was excavated and shaped outside the fence.

Site Visitors	Representing	Entered exclusion zone
<u>Gary Robinson</u>	<u>NYSDOH</u>	<u>No</u>

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: N.E. Donaldson worked from 7:00 to 4:30
 Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>dozer</u>	<u>1</u>				<u>Equip. Op</u>	<u>2</u>	<u>1</u>	
<u>roller</u>	<u>1</u>				<u>Security</u>	<u>1</u>		
<u>backhoe</u>	<u>1</u>							
<u>track excavator</u>	<u>1</u>							
<u>chainsaw</u>	<u>1</u>							
<u>dump truck</u>		<u>1</u>						
<u>rock truck</u>	<u>1</u>							

Prime Contractor worked from 7:00 to 4:30

Comments:

Items of concern:

Attachments to this report:

Inspector's Name (Print):

Inspector's Signature:

Reviewed by:

Date:

Date:



Site Code No. <u>754012</u>	Date <u>6/3/97</u>	I.R. No. <u>57</u>	
Site Name: <u>Tyree Castings</u>	Sheet <u>1</u> of <u>3</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>cloudy</u>	<u>cloudy</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>50°</u>	<u>60°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) The contractor regraded barrier protection material along the top of the stone fill of the West swale. They placed stone fill over filter fabric from the Southwest corner moving East.

(PM) I checked the thickness of the select fill barrier protection layer on the landfill. See the drawing on additional comments sheet. Lopke delivered additional select fill to thin areas. Tyree regraded and compacted these areas. The stone fill was placed in the South drainage swale. Brush was cleared from the outside of the North fence.

Site Visitors

Representing

Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: N. E. Donaldson worked from 7:00 to 4:30
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
backhoe	1				Equip. Op.	2	1	
dozer	1				Security	1		
roller	1							
Track excavator	1							
rock truck	1							
dump truck		1						

Prime Contractor worked from 7:00 to 4:30

Comments:

Items of concern: With increased foundation and barrier protection material placed on the landfill will the 4% min. slope be maintained?
I have expressed my concern to the super. Tonya Mandrowski. The as built survey ~~will~~ shall tell the story.

Attachments to this report:

Inspector's Name (Print): John A May

Inspector's Signature: John A May

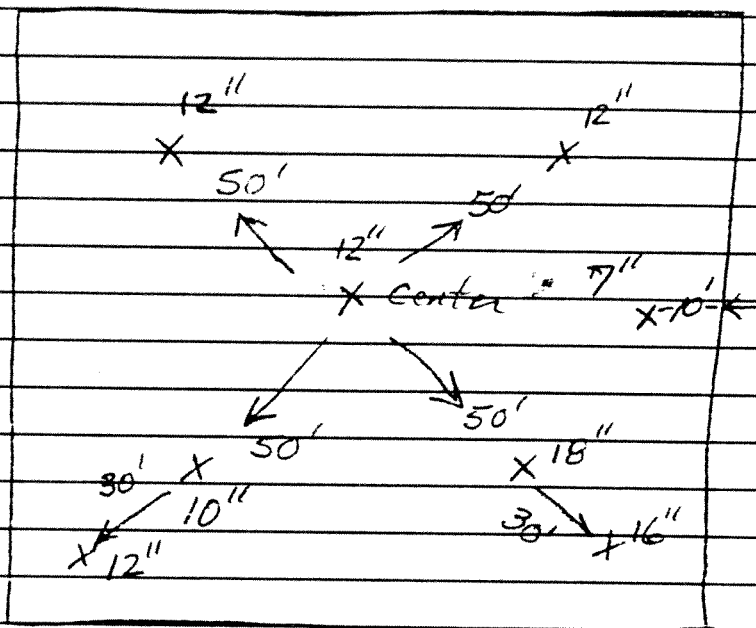
Date: 6/3/97

Reviewed by: _____

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT
ADDITIONAL COMMENTSSupplement to Report No. 57Dated 6/3/97Site Code No. 754012Site Name Tioga Castings

Barrier Protection 1st lift.



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
VISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>6/2/97</u>	I.R. No. <u>56</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMasta St., Oswego</u>	Weather	<u>Encl.</u>	<u>Rain</u>
Engineer: <u>Armen Moxi</u>	Temperature	<u>60°</u>	<u>60°</u>
Contractor: <u>Truce Organization</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 697-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The contractor graded and rolled the first 12" of barrier protection material. They ~~shaped~~ shaped the stone fill in the drainage swale on the East side of the land fill.

(PM) The track excavator shaped and graded the stone fill over the filter fabric in the West land fill drainage swale. Brush was cut outside of the fence on the North side of the land fill. The barrier protection material was regraded and rolled.

Site Visitors

Representing

Entered exclusion zone

NY-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: M. E. Lindgren worked from 8:00 to 4:30
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
dozer	1				Equip. Op.	2	1	
roller	1				Skinner	1		
backhoe	1							
track Excavator	1							
rock truck	1							
dump truck		1						

Prime Contractor worked from 8:00 to 4:30

Comments:

Items of concern: Compaction tests performed Sat. on the
padding protection layer showed moisture below
spec. Retesting this afternoon after rain,
regarding & verifying wet moisture criteria.

Attachments to this report:

Inspector's Name (Print): John A. May
Inspector's Signature: John A. May Date: 6/2/97
Reviewed by: _____ Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/30/97</u>	I.R. No. <u>55</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMorte St., Oswego</u>	Weather	<u>Cloudy</u>	
Engineer: <u>Aman Nagi</u>	Temperature	<u>60°</u>	
Contractor: <u>Tyrce Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

Lopke delivered select fill until
noon. Tyrce & the subcontractor graded
and compacted select fill over the geonet.
The contractor was off site by 12:30.

Site Visitors

Representing

Entered exclusion zone

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENT CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: N. E. Donaldson

worked from 6:00 to 12:30 ⁵⁵

Subcontractor B: _____

worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>Doran</u>	<u>1</u>				<u>Equip. Op.</u>	<u>2</u>	<u>1</u>	
<u>roller</u>	<u>1</u>				<u>Security</u>	<u>1</u>		
<u>backhoe</u>	<u>1</u>							
<u>rack truck</u>	<u>1</u>							

Prime Contractor worked from 6:00 to 12:30

Comments: Landfill 75% covered by 12" of barrier protection. Qa/Qc information from Cheungo Contracting presented to me. Contractors Application for payment given to me.

Items of concern:

Attachments to this report:

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Date: 5/30/97

Reviewed by: _____

Date: _____

DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Site Code No. <u>759012</u>	Date <u>5/29/97</u>	I.R. No. <u>551</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Oswego</u>	Weather	<u>Cloudy</u>	<u>Cloudy</u>
Engineer: <u>Amar Nagi</u>	Temperature	<u>50°</u>	<u>70°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 682-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

RMS Gravel hauled in stone fill and stockpiled it on the concrete slab East of Area H. Lofke delivered select fill to the land fill. The prime contractor spread select fill over the geonet on the land fill from the Southeast corner toward the Northwest corner. A subcontractor placed stone fill over the filter fabric in the East swale.

Site Visitors _____ Representing _____ Entered exclusion zone _____

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: N. E. Donaldson worked from _____ to _____
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>Doren</u>	<u>1</u>				<u>Equip. Op.</u>	<u>2</u>	<u>1</u>	
<u>Backhoe</u>	<u>1</u>				<u>Security</u>	<u>1</u>		
<u>Roller</u>	<u>1</u>							
<u>Rack truck</u>	<u>1</u>							

Prime Contractor worked from _____ to _____

Comments:

Items of concern: Additional fence damaged South of area H.

Attachments to this report:

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Date: 5/24/97

Reviewed by: _____

Date: _____

DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/28/97</u>	I.R. No. <u>53</u>								
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>3</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">AM</td> <td style="width:50%; text-align: center;">PM</td> </tr> <tr> <td>Weather</td> <td><u>Sunny</u></td> </tr> <tr> <td>Temperature</td> <td><u>45°</u></td> </tr> <tr> <td>Wind (Dir./Vel.)</td> <td><u>75°</u></td> </tr> </table>	AM	PM	Weather	<u>Sunny</u>	Temperature	<u>45°</u>	Wind (Dir./Vel.)	<u>75°</u>
AM	PM									
Weather	<u>Sunny</u>									
Temperature	<u>45°</u>									
Wind (Dir./Vel.)	<u>75°</u>									
Location: <u>McMaster St., Chicago</u>										
Engineer: <u>Amar Noyi</u>										
Contractor: <u>Tyree Organization Ltd.</u>										
Job Phone: <u>(608) 687-1158</u>										

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?
 Yes ☒ No ☐ If no, list the deviations under Items of Concern.

Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) Lofke delivered common fill to area H. RMS gravel delivered stone fill and stockpiled it on the concrete East of area H. Tyree made repairs to the monitoring well damaged in area I. Stone fill was placed over filter fabric in the Northwest corner of the swale. Progress meeting #5 was held in the site trailer. See attached attendance list.

(PM) Stone fill continued to be delivered by RMS gravel and stockpiled. Tyree placed stone fill over filter fabric in the North west Swale area.

Site Visitors	Representing	Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: _____ worked from _____ to _____
Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office trailer	1				Superintendent	1		
Backhoe	1				Equip. Op.	2		
Digger				1	Skewitz	1		
Roller				1				
Rack truck	1							

Prime Contractor worked from _____ to _____

Comments:

Items of concern: Slow progress on drainage swale
stone filling.

Attachments to this report: Tioga Casting Progress Meeting
#5 attendance sheet.

Inspector's Name (Print): John A. May

Inspector's Signature: John A. May

Date: 5/28/97

Reviewed by: _____

Date: _____

HOGA CASTING CONSTRUCTION PROGRESS MEETING

NUMBER 5

DATE 5/28/97

NAME

ADDRESS

PHONE NO

Halie V. Holo

Tyree Org. CT

(203) 740 8200

Tonya Markowski

Tyree Org.
125 Commerce Dr.
Brookfield, CT

607-687-8092

John May

NYS DEC

607-687-1158

Amey Noy

NYS DEC

607-687-1578

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE RELOCATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/27/97</u>	I.R. No. <u>52</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>39</u>	AM	PM
Location: <u>Mc Master St. Chicago</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Amar Nagi</u>	Temperature	<u>50°</u>	<u>65°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?
Yes X No If no, list the deviations under Items of Concern.

Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) The prime contractor graded & rolled area H common fill. RMS Gravel delivered topsoil to area "B". Some of the topsoil was graded. Chenango Contracting placed filter fabric in the East swale. Lopke delivered common fill to area H.

(PM) RMS Gravel delivered topsoil to area "G". Lopke delivered common fill to area "H". Chenango Contracting installed geo textile in the South, North and West swales. The prime contractor graded topsoil in area G, common fill in area H. The common fill was compacted, watered and compacted again. Fagan Eng. held tech performed compaction tests on area H.

Site Visitors	Representing	Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

 Subcontractor A: Cheung Contracting worked from _____ to _____
 Subcontractor B: Fugro Eng. worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>Backhoe</u>	<u>1</u>				<u>Equip. Op.</u>	<u>2</u>		
<u>Dozer</u>	<u>1</u>				<u>Security</u>	<u>1</u>		
<u>Roller</u>	<u>1</u>				<u>Foreman</u>		<u>1</u>	
<u>Backtruck</u>	<u>1</u>				<u>Laborer</u>		<u>1</u>	
<u>Water wagon</u>	<u>1</u>				<u>Technician</u>			<u>1</u>
<u>Forklift</u>		<u>1</u>						
<u>Generator</u>		<u>1</u>						
<u>Sewing Machine</u>		<u>1</u>						

Prime Contractor worked from _____ to _____

 Comments: The geomembrane seam destruction test results were reviewed from Geotechnics. They matched the field seam destruction tests. Both sets of results meet the specs.

 Items of concern: Common fill in area H to dry to meet ~~at~~ compaction criteria.

 Attachments to this report: Geotechnics Destructive test results.

 Inspector's Name (Print): John A May

 Inspector's Signature: John A May

 Date: 5/28/97

Reviewed by: _____

Date: _____

PEEL AND SHEAR TEST RESULTS DESTRUCTIVE SEAM TESTING

ASTM D 4437-84 AND NSF 64, 1993

CLIENT: TYREE ORGANIZATION
CLIENT PROJECT: TIAGA CASTINGS
NYSDEC SITE #7-54-012
CLIENT PROJ NO: NA
PROJECT NO: L97150-01
LAB ID NO: L97150-01-01
MATERIAL: 70 MIL HDPE
SEAM TYPE: DOUBLE FUSION

SAMPLE I.D.: DS-2

PEEL ADHESION

REPLICATE No	PEAK LOAD (lbs/in)	EPA BREAK CLASSIFICATION CODE	PEEL INCURSION (%)
OUTSIDE TRACK (WELD "A")			
1	133.4	FTB-SE1	<10
2	133.5	FTB-SE1	<10
3	133.2	FTB-SE1	<10
4	132.9	FTB-SE1	<10
5	133.4	FTB-SE1	<10
AVERAGE	133.3		
STD. DEV	0.24		
INSIDE TRACK (WELD "B")			
6	137.4	FTB-SE1	<10
7	148.3	FTB-SE1	<10
8	135.1	FTB-SE1	<10
9	138.1	FTB-SE1	<10
10	136.6	FTB-SE1	<10
AVERAGE	139.1		
STD. DEV	5.26		

BONDED SEAM (SHEAR) STRENGTH

REPLICATE No	PEAK LOAD (lbs/in)	EPA BREAK CLASSIFICATION CODE
1	177.9	FTB-BRK
2	181.2	FTB-BRK
3	180.5	FTB-BRK
4	182.0	FTB-BRK
5	181.2	FTB-BRK
AVERAGE	180.6	
STD. DEV	1.58	

CHECKED BY QMB DATE 5-24-97

PEEL AND SHEAR TEST RESULTS DESTRUCTIVE SEAM TESTING

ASTM D 4437-84 AND NSF 54, 1993

CLIENT: TYREE ORGANIZATION
CLIENT PROJECT: TIOGA CASTINGS
NYSDEC SITE #7-54-012
CLIENT PROJ. NO.: NA
PROJECT NO.: L97150-01
LAB ID NO.: L97150-01-02
MATERIAL: 70 MIL HDPE
SEAM TYPE: DOUBLE FUSION

SAMPLE I.D.: DS-4

PEEL ADHESION

REPLICATE No.	PEAK LOAD (lbs/in)	EPA BREAK CLASSIFICATION CODE	PEEL INCURSION (%)
OUTSIDE TRACK (WELD "A")			
1	135.7	FTB-SE1	<10
2	141.7	FTB-SE1	<10
3	141.1	FTB-SE1	<10
4	136.3	FTB-SE1	<10
5	145.4	FTB-SE1	<10
AVERAGE	140.0		
STD. DEV.	4.04		
INSIDE TRACK (WELD "B")			
6	141.1	FTB-SE1	<10
7	145.1	FTB-SE1	<10
8	148.9	FTB-SE1	<10
9	142.9	FTB-AD-BRK	>50
10	146.6	FTB-SE1	<10
AVERAGE	144.9		
STD. DEV.	3.06		

BONDED SEAM (SHEAR) STRENGTH

REPLICATE No.	PEAK LOAD (lbs/in)	EPA BREAK CLASSIFICATION CODE
1	184.2	FTB-BRK
2	184.2	FTB-BRK
3	184.3	FTB-BRK
4	184.9	FTB-BRK
5	184.2	FTB-BRK
AVERAGE	184.4	
STD. DEV.	0.30	

CHECKED BY JRB DATE 5-24-97

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/23/97</u>	I.R. No. <u>51</u>	
Site Name: <u>Tioga Castings Site</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Sunny</u>	<u>Sunny</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>40°</u>	<u>60°</u>
Contractor: <u>Tyree Organization LLC</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The prime contractor, Tyree, placed select fill in the anchor trench on the West and South sides of the landfill. Chenango Contractors finished installing the geo net over the cap.

(PM) Tyree placed ~~select~~ select fill in the anchor trench on the East side of the landfill. They reinstalled silt fence in the swale areas. Chenango Contractors placed sandbags around the perimeter of the geo net layer to secure it over the weekend. Area H was regraded and rolled.

Site Visitors

Representing

Entered exclusion zone

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

[illegible]

Comments: HDPE Seam Samples #2 & #4 were sent to Geotechnics in Pittsburgh Pa, for peel and shear destructive seam testing. UPS failed to pick them up Thurs. PM. They will ship them free for Sat. AM delivery.

Items of concern: No plan yet finalized for placement of basic protection and stone filling.

Inspector's Name (Print): John A. May
Inspector's Signature: John A. May Date: 5/23/97
Reviewed by: _____ Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
VISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/22/97</u>	I.R. No. <u>50</u>	
Site Name: <u>Troga Castings</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Partly Cloudy</u>	
Engineer: <u>Amar Nagi</u>	Temperature	<u>40°</u>	<u>55°</u>
Contractor: <u>Tyree Organization, Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The prime contractor finished loading cleaned brush and limbs into a Taylor Garbage roll off. They used select fill to backfill the cap anchor trench on the North side of the landfill. Chenango Contracting installed the geonet layer over the 60 mil HDPE. Plastic ties were used to attach the grids to each other at five foot intervals and the top layers of filter fabric were sewn together. Griffen Industrial Services pumped out the two decon water storage tanks. They were pressure washed and ~~the~~ the wash water pumped into the Griffen vac truck.

(PM) Chenango Contracting covered 3/4 of the landfill with the geonet. Tyree finish backfilling the North anchor trench.

Site Visitors	Representing	Entered exclusion zone
<u>Gary Robinson</u>	<u>NYSDOH</u>	<u>No</u>

47-15-19(8/88)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Subcontractor A: Chenango Contracting worked from 7:00 to 4:30

Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
<u>Office Trailer</u>	<u>1</u>				<u>Superintendent</u>	<u>1</u>		
<u>bobcat</u>	<u>1</u>				<u>Equip. Op</u>	<u>2</u>		
<u>backhoe</u>	<u>1</u>				<u>Foreman</u>		<u>1</u>	
<u>dozer</u>				<u>1</u>	<u>Laborer</u>		<u>3</u>	
<u>Roller</u>				<u>1</u>				
<u>rack truck</u>	<u>1</u>							
<u>Pressure Washer</u>	<u>1</u>							
<u>Forklift</u>	<u>1</u>	<u>1</u>						
<u>Generator</u>		<u>2</u>						

Prime Contractor worked from 7:00 to 4:30

Comments:

Items of concern:

4 fence post in the North swale & have now been broken & must be replaced by the contractor.

Attachments to this report:

Inspector's Name (Print):

John A. May

Inspector's Signature:

John A. May

Date:

5/22/97

Reviewed by:

Date:

Site Code No. <u>754012</u>	Date <u>5/21/97</u>	I.R. No. <u>49</u>	
Site Name: <u>Tioga Castings</u>	Sheet <u>1</u> of <u>3</u>	AM	PM
Location: <u>McMaster St. Owego</u>	Weather	<u>Clouds</u>	<u>Shower</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>45°</u>	<u>50°</u>
Contractor: <u>Three Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes X No If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes No

Attach a copy of the monitoring log.

Description of work performed during this report period: (AM) The prime contractor made repairs to the monitoring well in area B. They dug down 2' and cut off the PVC pipe below the kink. They then glued a ²⁰ PVC coupling and a 4' piece of PVC pipe. It was left high and will be trimmed to be flush inside a metal protective cover after the area backfilling and topsoiling is completed. They also graded common fill in area B. Taylor Garbage Service picked up the roll of pressure washed stumps. Lopke delivered #2 stone for Foundry St. repairs. Chenango Contracting began deploying the 60 mil HDPE at 8:30. They started at the North side of the landfill running the material East to West. Three hot-wedge fusion welders were used to weld the seams. They each made a test ~~seam~~ weld before starting and destructive tests were performed on the seams. All were within specs.

(PM) - see additional Comments.

Site Visitors	Representing	Entered exclusion zone
<u>Aman Nagi</u>	<u>NYSDDEC</u>	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 INSPECTOR'S DAILY REPORT

Subcontractor A: Chenango Contracting worked from 8:00 to 5:30

Subcontractor B: _____ worked from _____ to _____

Contractors' Equipment	Prime	A	B	Not Used	Work Force	Prime	A	B
Office Trailer	1				Superintendent	1		
Backhoe	1				Equip. Op.	2		
Roller	1				Security	1		
Rack truck	1				Foreman		1	
Fork lift		1			Laborers		7	
Generator		3						
Double Track Welder		3						
Extrusion welder		2						
6WD ATV		1						

Prime Contractor worked from 8:00 to 5:30

Comments: The work done by Chenango Contracting appeared to meet the project specifications. The landfill is now covered by 60 mil HDPE.

Items of concern: Where do I send the two seep samples for independent lab testing.

Attachments to this report: Page #3

Inspector's Name (Print): John A May

Inspector's Signature: John A May

Date: 5/21/97

Reviewed by: _____

Date: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENT & CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT
ADDITIONAL COMMENTSSupplement to Report No. 49Dated 5/21/97Site Code No. 754012Site Name Tioga Castings

A rain shower caused HDPE work to stop at 11:30. After lunch Chenango again began to deploy the cap material. The welders were restarted and test seams welded. They were tested using the on-site destructive test device and all passed. All HDPE was deployed by 2:30. The hot-wedge seaming was completed by 3:30. Air testing of the seams was conducted and the two extrusion were turned on. They made test welds and were also checked using the ~~test~~ on site tensiometer. The welds passed. Patches and repairs were made and tested using a vacuum box. Four destructive test samples were taken from the seams. They were field tested for peel and shear. One out of 40 failed. I took one half of the Four samples to my office trailer.

Three graded and rolled the #2 stone in Foundry St. They also loaded brush and limbs into a Taylor Garbage Service roll-off.

Looke delivered select fill to be used to fill the anchor trench.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INSPECTOR'S DAILY REPORT

Site Code No. <u>754012</u>	Date <u>5/20/97</u>	I.R. No. <u>98</u>	
Site Name: <u>Tioga Casting</u>	Sheet <u>1</u> of <u>2</u>	AM	PM
Location: <u>McMaster St., Owego</u>	Weather	<u>Cloudy</u>	<u>Sunny</u>
Engineer: <u>Aman Nagi</u>	Temperature	<u>40°</u>	<u>50°</u>
Contractor: <u>Tyree Organization Ltd.</u>	Wind (Dir./Vel.)		
Job Phone: <u>(607) 687-1158</u>			

Health & Safety:

Level of protective clothing used: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Yes ☒ No ☐ If no, list the deviations under Items of Concern.Are atmospheric monitoring results at acceptable levels? Yes ☐ No ☐

Attach a copy of the monitoring log.

Description of work performed during this report period:

(AM) The prime contractor spread, graded and compacted the foundation layer material, select fill, on the land fill. The superintendent tried to ~~fix~~ bail the monitoring well damaged during the excavation of area 8. It is kinked. Must be repaired.

(PM) The contractor regraded ~~and~~ ~~smoothed~~ the foundation layer material. Chenango Contracting on site to check on the land fill condition. (2:00). Dan Boylan, Fager Engineers on site at 3:00 to perform compaction tests on the western 1/3 of the land fill foundation layer.

Site Visitors

Representing

Entered exclusion zone

Chuck RodasChenango Contracting