

**POLLUTION PREVENTION PLAN**  
**for**  
**EXISTING EXCAVATION, AGGREGATE PROCESSING  
FACILITY AND ASPHALT PLANT**

630 Plainfield Road (CT Route #12)  
Griswold, CT 06351  
(860) 376-2537

**PPP Contact(s):**

American Industries, Inc.  
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630 Plainfield Road  
Griswold, CT 06351  
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**PPP Preparation Date:**

January 6, 2015

## Table of Contents

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<b>I.</b>	<b>Site Description and Contact Information</b>	
	Facility Description.....	1
	General Location Map .....	4
	Pollution Prevention Team .....	4
<b>II.</b>	<b>Potential Pollutant Sources</b>	
	Site Maps .....	5
	Additional Site Map Requirements by Sector .....	6
	Inventory of Exposed Materials and Summary of Potential Pollutant Sources.....	6
	Additional Inventory Requirements by Sector .....	7
	Spills and Leaks .....	10
	Presence of Non-Stormwater Discharges .....	11
	Impaired Waters.....	12
<b>III.</b>	<b>Stormwater Control Measures</b>	
	Good Housekeeping .....	13
	Vehicle or Equipment Washing.....	13
	Floor Drains .....	14
	Roof Areas .....	14
	Minimize Exposure .....	14
	Sediment and Erosion Controls .....	14
	Management of Runoff .....	15
	Preventive Maintenance .....	16
	Spill Prevention and Response Procedures .....	16
	Employee Training .....	17
	Non-Stormwater Discharges.....	18
	Solid Deicing Material Storage.....	18
	Discharges to Impaired Waters .....	18
	Sites Discharging to Municipal Separate Storm Sewer System .....	18
	Additional Control Measure Requirements by Sector.....	18
<b>IV.</b>	<b>Inspections</b>	
	Semi-Annual Inspections .....	19
	Routine Inspections .....	20
	Additional Inspection Requirements by Sector- Minimum Time Frames.....	21
<b>V.</b>	<b>Schedules and Procedures for Monitoring</b>	
	Visual Monitoring .....	22
	General Monitoring Requirements .....	23
	Standard Monitoring Parameters .....	23
	Standard Monitoring Benchmarks .....	26
	Sector Specific Monitoring and Benchmarks .....	29
	Additional Monitoring of Discharges to Impaired Waters .....	29
	Sector Specific Effluent Limitations.....	30

## Table of Contents (cont.)

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Keeping Records of Your Implementation Activities .....	30
Common Compliance Problems at Industrial Facilities .....	30
Certification .....	33

Attachment A – General Location Map (North), General Location Map (South), General Location Map- Outfall #1, General Location Map- Outfall #2, General Location Map- Outfall #3

Attachment B – Site Maps- Sheets 1-6 of 6

Attachment C – Non-Stormwater Discharge Certification

Attachment D – Stormwater Monitoring Report Form- Sector “A” and Sector “B”

Attachment E – Pollution Prevention Team

Attachment F – Outside Storage

Attachment G – Spill Control and Response Plan

Attachment H – Maintenance and Inspection

Attachment I – Monthly Inspection Checklist for the Year

Attachment J – Employee Training

Attachment K – Comprehensive Annual Stormwater Evaluation and Inspection Report

Attachment L – Record Keeping

Attachment M – Visual Monitoring Form

Attachment N – Additional Requirements from Certified Lab

## I. Site Description and Contact Information

### Facility Description

#### Facility Information

Name of Facility: Existing Excavation, Aggregate Processing Facility and Asphalt Plant

Street: 630 Plainfield Road (CT Route #12)

City: Griswold State: CT ZIP Code: 06351

County or Similar Subdivision: New London County

Permit Tracking Number: N.A. (if covered under a previous permit)

Latitude/Longitude

Latitude: 41° 37' 31" N (degrees, minutes, seconds) Longitude: 71 ° 58 ' 18" W (degrees, minutes, seconds)

Method for determining latitude/longitude : CTECO

Is the facility located in Indian Country?  Yes  No

Is this facility considered a Federal Facility?  Yes  No

Estimated area of industrial activity at site exposed to stormwater: 8.9 acres (acres)

#### Discharge Information

Does this facility discharge stormwater into an MS4?  Yes  No

If yes, name of MS4 operator: Not Applicable

Name(s) of water(s) that receive stormwater from your facility Easterly runoff eventually flows into Clayville Pond; westerly runoff flows to Aspinook Pond (section of Quinebaug River)

Are any of your discharges directly into any segment of an "impaired" water?  Yes  No

If Yes, identify name of the impaired water (and segment, if applicable): Aspinook Pond/Quinebaug River (CT3700-00-5+L4\_01)

Identify the pollutant(s) causing the impairment: Chlorophyll-a, Excess algae growth, Nutrient/Eutrophication Biological indicators

For pollutants identified, which do you have reason to believe will be present in your discharge? None of the above-mentioned pollutants

For pollutants identified, which have a completed TMDL? None

Do you discharge into a receiving water designated as a Tier 2 (or Tier 2.5) water?  Yes  No

Are any of your stormwater discharges subject to effluent guidelines?  Yes  No

If Yes, which guidelines apply? Not Applicable



Primary SIC Code or 2-letter Activity Code: 1442 (Mining, Construction Sand and Gravel), 2951 (Manufacture of Paving Materials)

Identify your applicable sector and subsector: Sector A (Asphalt Plant), Sector B (Non-Metallic Mines and Quarries, Stone Cutting)

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**Facility Operator(s):**

Name: American Industries, Inc.  
Address: Attn: Pasquale Camputaro, 630 Plainfield Road  
City, State, Zip Code: Griswold, CT 06351  
Telephone Number: (860) 376-2537  
Email address: [pcamputaro@americanind.net](mailto:pcamputaro@americanind.net)  
Fax number: (860) 376-3909

**Facility Owner(s):**

Name: Estate of Pasquale Camputaro  
Address: Attn: Pasquale Camputaro, 630 Plainfield Road  
City, State, Zip Code: Griswold, CT 06351  
Telephone Number: (860) 376-2537  
Email address: [pcamputaro@americanind.net](mailto:pcamputaro@americanind.net)  
Fax number: (860) 376-3909

**SWPPP Contact:**

Name: Steve Walsh of American Industries, Inc.  
Telephone number: (860) 234-1234  
Email address: [swalsh@americanind.net](mailto:swalsh@americanind.net)  
Fax number: (860) 376-3909

The project site is a 59.8± acre lot located on the west side of Plainfield Road (CT Route #12) in Griswold, CT. The project includes an existing ongoing excavation and processing of sand and gravel from onsite and offsite sources and the manufacturing of bituminous concrete pavement (asphalt). Site improvements include a paved access drive, paved parking areas for employees and equipment, a 8,360± SF operations building which includes an equipment and vehicle maintenance garage area, oil storage for use in the equipment, asphalt plant and transport vehicles, numerous storage buildings (conex boxes and sheds) used for equipment and materials storage, rock crushing/washing equipment, lined wash pond and various temporary piles of sand, stone, gravel, silt and recycled earth products used in the facility operations.

The operation area includes about 37± acres and the remaining 22± acres of the site are wooded. Although the property is bordered by residential properties to the north and south, there is a wooded buffer and an existing berm (natural and man-made portions) along the limits of active operations and property lines. The majority of the facility's active operation area of the site is

located within a large depression or “bowl”. This berm height is 10’-20’ in most areas including to the north and west of the operation area. Although the property abuts the Quinebaug River to the west, the berm is approximately 200’ from the edge of the river and this area is entirely wooded. There is a man-made berm about 10’-15’ high along the eastern property line abutting Plainfield Road (CT Route #12) except where the property is accessed. The southern portion of the property is about 40’-50’ higher where 2 existing residential houses are located, entirely outside of the operation activities.

There are 3 small areas of the site where discharges occur from the operation area. These are described as follows:

1. The paved entrance driveway is at an incline into the site where stormwater runoff during a storm event can flow off the property. This driveway runoff sheet flows overland into the paved gutter and grass shoulder of Plainfield Road (CT Route #12), then flows northerly over 200’ and eventually discharges into a catch basin in Plainfield Road (CT Route #12) which is part of the Connecticut Department of Transportation’s drainage system. This is Outfall #1.
2. A gravel access path located on the western perimeter of the operation area on the downgradient side of the above-described berm is pitched toward the limit of regulated inland wetlands where a water pump for the facility’s use is installed within a ponded portion of the inland wetlands. This is Outfall #2.
3. A pipe outlet discharging into regulated inland wetlands located just to the north of the water pump (described above). This pipe appears to be an underdrain or curtain drain for a depression area portion of the operation area, the exact location of where this pipe originates is unknown. It is assumed that this pipe discharges stormwater runoff that has infiltrated in the depression area of the facility’s active operation area. This is Outfall #3.

The ongoing soil disturbing activities associated with this site include excavating onsite sand and gravel, depositing and stockpiling of imported sand, gravel and recycled materials from offsite, processing onsite and imported earth products into rock crushing, washing and screening equipment, maintaining 2 concrete lined man-made ponds for recirculating water used in the washing operation and removing silt/fines from the earth materials, disposing of silt by-products on site or transporting offsite, loading sand and stone aggregate into asphalt batch plant for manufacturing bituminous concrete, site regrading and finally stabilizing disturbed areas with loam and seeding with grass.

The existing site excavation, processing and asphalt manufacturing is constantly ongoing. The asphalt plant sometimes operates 24 hours per day during paving season if night work is required. Work onsite is usually limited to mostly maintenance activities during the winter (non-paving) months, when the asphalt plant shuts down for the winter. The winter closing date depends on the weather.

Stormwater runoff from the operations area of the site with the exception of the 3 areas described above (entrance drive, access path to water pump and curtain drain outlet), flows and will continue to flow down into the existing depression areas or man-made ponds within the property. In pervious areas, stormwater will temporarily pond while infiltrating back into the permeable soils on the property.

Stormwater runoff from the eastern central portion of the site (paved access drive up to the operations building) will continue to sheet flow down the paved entrance driveway and out into the State highway (Plainfield Road, CT Route #12) where it will infiltrate into the grass shoulder or flow northerly with roadway runoff and eventually discharge into the State's drainage system, a catch basin on the west side of Plainfield Road.

Stormwater runoff from the western central portion of the site (gravel access path to water pump) flows down the western side of this berm (approximately 60' length) into the inland wetlands.

Stormwater runoff from the depression area of the facility infiltrates into the permeable soils on site and apparently is conveyed through the perforated underdrain to the inland wetlands.

There are no proposed buildings associated with the ongoing activities under this general permit at this site. There is some proposed concrete secondary containment areas associated with federal spill prevention criteria proposed by the asphalt plant which are expected to be installed during the winter/spring of 2014-2015.

## **General Location Map**

See the General Location Maps for this facility in Attachment A. The site is depicted on 2 maps since the site straddles the border of 2 USGS Quad sheets. The additional maps in Attachment A include the longitude and latitude of the 3 Outfalls for the project.

## **Pollution Prevention Team (PPT)**

<u>Staff Names</u>	<u>Individual Responsibilities</u>	<u>Phone</u>
Steve Walsh	Project superintendent	860-234-1234
Christine Walsh	Assistant project superintendent	860-376-2537

These are the only members at this time. See Attachment "E" for PPT form for additional members to be added.

## II. POTENTIAL POLLUTANT SOURCES

### Site Maps

See Site Maps for this facility in Attachment “B”. This map includes the following:

- Approximate property boundary and topography of the entire property, approximate limit of inland wetland areas, Aspinook Pond/Quinebaug River, existing tree line, facility operations building, asphalt plant, parking areas, access drives, crusher/screener, sediment pond, water recycling pond, drainage areas and direction of flows, Outfall locations with longitude and latitude, fueling areas, vehicle and equipment storage areas, maintenance areas, cleaning areas, loading/unloading areas, liquid storage tanks, processing areas, earth product storage areas, and areas with the potential for erosion that may impact surface waters.

There are numerous buildings on site but there no proposed buildings at this time associated with this application.

Since the majority of the operation area is lower than the exterior berm (except for the 3 outfall areas- the entrance drive, the gravel access path to the water pump in the wetlands and the curtain drain discharge pipe area to the wetlands), the majority of the site stormwater runoff from the facility operations will be contained within the lowest depression areas on site.

Outfall #1 will discharge overland to the east of the operation area down the paved entrance driveway toward Plainfield Road (CT Route #12) where indicated as Outfall #1 on the Site Maps in this report. This runoff flows northerly on Plainfield Road and into the State DOT storm drainage system which outlets into Clayville Pond to the east of Plainfield Road. This pond is not an Impaired Water per the Impaired Water Monitoring Requirements Table, effective October 1, 2011. Clayville Pond has no Total Maximum Daily Loads (TMDL) established. The north side of this driveway at the facility’s front property line will be a stormwater monitoring point for this project and denoted as Outfall #1.

Outfall #2 discharges to the west of the operation area to the wetland area associated with the Aspinook Pond section of the Quinebaug River which is an Impaired Water per the Impaired Water Monitoring Requirements Table, effective October 1, 2011. Aspinook Pond has no TMDL established. This stormwater discharge is overland sheet runoff that flows down a gravel access path used by facility equipment and personnel to access the water pump located in the wetlands.

Outfall #3 discharges to the west of the operation area to the wetland area associated with Aspinook Pond section of the Quinebaug River which is an Impaired Water per the Impaired Water Monitoring Requirements Table, effective October 1, 2011. Aspinook Pond has no TMDL established. This stormwater discharge is the pipe outlet which collects stormwater from the operation area, exact location is unknown.

These 3 locations will be the only stormwater monitoring points for sampling stormwater runoff for this permit since there are no other discharges offsite.

Based on information supplied by American Industries, Inc., there have been no major spills or leaks on this site.

### **Additional Site Map Requirements by Sector**

There are two Sectors that are applicable to this site: Sector A- Asphalt Plants and Sector B- Non- Metallic Mines and Quarries, Stone Cutting. Additional Site Map Requirements for each Sector are as follows:

#### **Sector A- Asphalt Plants**

There are no additional map requirements for this Sector.

#### **Sector B- Non-Metallic Mines and Quarries, Stone Cutting**

This activity is classified as Sector B (Non- Metallic Mines and Quarries, Stone Cutting) and the associated additional requirements for the maps include the following:

- The present mining limit (limit of excavation), haul roads and the paved access drives provides access throughout the site for transport vehicles to and from Plainfield Road for offsite transport of sand, gravel, stone and asphalt.
- The outdoor storage areas for earth products (sand, gravel and stone), the processing/crushing area and the storage areas for earth materials waiting to be processed (area is subject to change based on available areas at the time).
- There is no anticipated dewatering for onsite excavation operations. All excavation is anticipated to be above groundwater levels. The concrete-lined wash/recycle ponds used in the crushing/washing operation is shown.
- Since the project is ongoing and the entire operations area is used for the activities, areas to be reclaimed are not indicated on the Site Maps but will include any disturbed areas associated with the excavation project that will not be utilized in the future. Reclamation will include loaming and seeding with grass.

These additional site map requirements are indicated on the Site Maps in Attachment “B”.

### **Inventory of Exposed Materials and Summary of Potential Pollutant Sources**

Table of Material Inventory/Potential Pollutants

Activity/ Exposed Material	Onsite Location of Activity/Material	Associated Outfall Number	Associated Pollutants	Method of storage/ Extent of exposure of activity	Description of Storage (Tank type, size, AST, UST, etc.)	Control measures used to minimize exposure	Location and description of structural or non- structural measures to control pollutants/ treatment devices

							<b>installed to treat stormwater runoff</b>
Pavement	Loading and unloading areas	NA	Dust and sediment	Runoff onto site	NA	Dust suppression	Water truck
Buildings	Roof areas	NA	Dust and sediment	Runoff onto site	NA	Dust suppression	Water truck
Earth products	Outdoor storage activities	NA	Dust and sediment	Runoff onto site	NA	Dust suppression	Water truck
Earth products, equipment	Outdoor manufacturing or processing activities	NA	Dust, sediment, oil, fuel	Runoff onto site	Containment areas	Dust suppression, SPCC Plan	Water truck, secondary containment areas, housekeeping
Crushing, loading, excavation	Dust generating processes	NA	Dust and sediment	Runoff onto site	NA	Dust suppression	Water truck
Solid waste	Onsite waste disposal practices	NA	TSS, metals	Containers	Covered dumpsters	Covered dumpsters	Covered dumpsters
Dust, sediment	Access drive and access path	#1 and #2	TSS, sediment	Runoff to roadway or wetlands	NA	Grass swale infiltration	Grass swale

See Attachment “F” for outside material storage checklist.

### **Additional Inventory Requirements by Sector**

There are two Sectors that are applicable to this site: Sector A- Asphalt Plants and Sector B- Non- Metallic Mines and Quarries. Additional Inventory Requirements for each Sector is as follows:

#### **Sector A- Asphalt Plants (SIC Code 2951)**

There are no additional inventory requirements for this Sector, however the following requirements apply:

##### **(A) Additional Monitoring Requirements**

In addition to the semiannual monitoring required in Section V of this Plan, the permittee must sample the following parameter under the same conditions as required in Section V:

Semivolatile Hydrocarbons

Analysis of this parameter shall be conducted using EPA Method 625.

##### **(B) Sector Specific Benchmarks Authorization**

There is no Benchmark requirement for Semivolatile Hydrocarbons. The facility shall be monitored semiannual for this parameter for the entire term of the permit.

**(C) Effluent Limitations**

There are no effluent limits for Oil and Grease, Sample pH or Total Suspended Solids for Asphalt Plants.

**Sector B- Non- Metallic Mines and Quarries (SIC Code 1442)**

Regarding additional inventory requirements for this Sector, there are no known pollutants or chemicals in the waste rock processed or excavated at this site. There is no blasting utilized at this site. The following requirements also apply:

**(A) Additional Requirements for Authorization**

There are no existing or proposed mine dewatering discharges with this project. These discharges are not authorized by this permit.

**(B) Additional Control Measures**

- (i) Additional Sediment and Erosion Control: No additional erosion and sediment control measures are anticipated at this time. However, the permittee will install additional erosion and sediment control measures for any areas with the potential to impact surface waters, wetlands or the potential for off-site impacts by following the CT Soil Erosion and Sediment Control Guidelines and the Stormwater Quality Manual. Additional measures will be installed as directed by the site project superintendent, as warranted.
- (ii) Dust Suppression: The permittee utilizes and will continue to utilize dust suppression measures as necessary to ensure the off-site vehicle tracking of sediments and the generation of dust is minimized. Dust suppression measures throughout the site are utilized via a water truck on a daily basis on any activity that causes airborne particles (vehicle transport, excavation, grading, movement of earth materials, storage of earth product materials, etc.). The volume of water sprayed to control dust shall be minimized to prevent runoff to surface waters of the State. The crusher/washing operation also uses dust suppression measures to minimize fugitive dust.
- (iii) Run-on Diversion: Based on the topography of the site and the existing earthen berms surrounding the operation area, there is no run-on stormwater except for the sides of the berms sloping down into the facility. However, if observed, the permittee shall divert uncontaminated stormwater run-on away from the operation area including excavation areas, fill areas, storage areas and other potential pollutant sources by means of diversion controls, earthen berms, grading, channeling or other approved means.



- (iv) If control measures are implemented or planned but not indicated in subsection B (above), the permittee shall include descriptions of them in this section. Measures that are planned at this time include the fuel storage at the facility. The permittee will construct adequate secondary containment for the oil stored on site during the winter of 2014-2015.

**(C) Additional Plan Requirements**

- (i) Nature of Industrial Activities: Due to the presence of natural and man-made earthen berms that surround the facility's operation area, the existing/proposed activities with this site (excavation, onsite transport of earth materials, placement and storage of imported earth products, storage, processing of earth products manufacture of bituminous concrete pavement) cannot potentially affect stormwater discharges from this site into adjacent wetland areas associated with the Aspinook Pond section of the Quinebaug River or across the street from the site on Plainfield Road (Clayville Pond). The major operation area of the project is separated from the road, the Quinebaug River and adjacent properties by existing natural and manmade earthen berms. Only the 3 discharges described above (Outfalls #1, #2 and #3) discharge offsite. There are existing wooded areas on site and on the adjacent properties around the perimeter of the excavation activities for this project. The excavation activities are about 850' from the edge of the Quinebaug River.

The transport (importing and exporting) of earth products has the potential to create and spread dust on site and along the travel route which includes Plainfield Road (CT Route #12). This transporting of earth materials can also potentially create and track sediment along the travel route from transport vehicles that could potentially enter other drainage systems and ultimately affect surface waters of the State of Connecticut on Plainfield Road (Clayville Pond).

- (ii) Site Map: The Site Maps in Attachment "B" indicate the proposed excavation limits, access driveway/haul roads, outline the limits of the drainage area that flows offsite as well as what flows to within the operation area (depression), drainage discharge points, outdoor equipment machinery, outdoor equipment storage areas, fueling areas, maintenance areas, material handling areas, outdoor fuel storage areas, stockpiles, wash/recycled ponds and berm areas.
- (iii) Potential Pollutant Sources: The types of pollutants from the stormwater discharge from the site at the driveway adjacent to Plainfield Road are expected to be just total suspended solids from dust/sediment that accumulates within the paved access drive. The types of pollutants from the stormwater discharge from the site at the gravel access path adjacent to



wetlands are expected to be just total suspended solids from the exposed gravel/dust/sediment that is located in the access path. The types of pollutants from the stormwater discharge from the site at the underdrain pipe are expected to be just total suspended solids from sediment that infiltrates into the pipe. Based on data provided by American Industries, Inc., there have been no significant reported spills or leaks of hazardous or toxic pollutants at this site.

- (iv) Stormwater Controls: No additional stormwater control measures are anticipated at this time.

### Spills and Leaks

The following table indicates a list of spills and leaks of five (5) gallons or more of petroleum products or of toxic or hazardous substances per Appendix B Tables II, III, and V and Appendix D of the Regulations of Connecticut State Agencies (<http://www.ct.gov/deep/lib/deep/regulations/22a/22a-430-3and4.pdf>) which could affect stormwater that occurred at the facility between the date of three (3) years prior to the date of the Plan certification to present. The permittee has no recorded spills during that three year interval.

<b>TABLE 4 – LIST OF SIGNIFICANT (&gt;5 GALLONS) SPILLS AND LEAKS</b>									
(3 years prior to the date of certification of the Plan)									
<b>Additional Inventory Requirements by Sector</b>								<b>Response Procedures</b>	<b>Corrective Measures Taken</b>
<b>Date (MM/DD/YY)</b>	<b>(check one)</b>		<b>Location (see map)</b>	<b>Description</b>					
	<b>Spill</b>	<b>Leak</b>		<b>Type of Material</b>	<b>Quantity</b>	<b>Source</b>	<b>Reason</b>		

See Attachment “G” for specific spill control and response plan information.

## Presence of Non-Stormwater Discharges

The non-stormwater discharges for this site under this permit are as follows:

- Water sprayed for dust control via a water truck throughout the access roads of the site.
- Pumped groundwater from an existing ponded inland wetland area that is used to fill the water truck for dust control. This discharge does not enter any storm drainage system on site.
- Discharged waters from the earth product crushing/washing operation that discharges into a concrete-lined sediment pond and is then recycled/pumped back into a concrete-lined wash pond where it is reused in the earth product crushing/washing operation. This discharge does not enter any storm drainage system on site.
- Pumped water from the Quinebaug River that is used in the operation of a waterslide during the annual summer American Industries company picnic/party on the site down along the Quinebaug River, entirely away from the operation areas of the industrial uses. Water is pumped up to the top of the waterslide and flows down the waterslide back into the Quinebaug River. This discharge does not enter any storm drainage system on site.
- Subsurface sewage disposal systems or septic systems for the operations building and for the residential dwellings on the property. These systems are existing and the Uncas Health District (local health department having jurisdiction for Griswold) have no available records as to the location or size of these systems. These discharges are subsurface and do not enter any storm drainage system on site.

Evaluation was conducted by visual inspections of the site during numerous site visits during the preparation of this Plan.

Evaluations shall be conducted in the future by a member of the PPT to ensure that there are no unauthorized non-stormwater discharges at the site. These evaluations shall include the following:

- 1) Date of evaluation,
- 2) Method used to conduct evaluation (visual, testing analysis, etc.),
- 3) The outfalls or drainage points that were observed during the evaluation,
- 4) Any allowable non-stormwater discharges and permitted wastewater discharges that occur at the site with their corresponding wastewater discharge permit numbers and corresponding outfall,
- 5) All other non-stormwater discharges found at the site,
- 6) Description of actions taken to eliminate non-stormwater discharges such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified,
- 7) A Non-Stormwater Discharge Certification shall be signed by a professional engineer (PE) licensed to practice in the State of Connecticut or a Certified Hazardous Materials Manager (CHMM). This Non-Stormwater Discharge Certification form is in Attachment "C".
- 8) Record of these evaluations shall be kept with this Plan.

## Impaired Waters

Stormwater discharges from the site will flow in two directions as follows:

- Outfall #1 will flow onto Plainfield Road (CT Route #12), into the CT DOT drainage system and eventually discharge into the Clayville Pond. Clayville Pond is not classified as “Impaired Waters” per the Impaired Waters Monitoring Requirements Table dated October 1, 2011 from the Connecticut DEEP.
- Outfall #2 and #3 will flow to the wetlands area associated with the Aspinook Pond section of the Quinebaug River which abuts the site to the west. The Quinebaug River is classified as “Impaired Waters” per the Impaired Waters Monitoring Requirements Table dated October 1, 2011 from the Connecticut DEEP. There is no established Total Maximum Daily Load (TMDL) for the Quinebaug River.

### **III. STORMWATER CONTROL MEASURES**

#### **Good Housekeeping**

Good housekeeping is a particularly essential component of stormwater management at excavation areas, processing facilities and asphalt plants. Good housekeeping practices are a practical and cost-effective way to prevent potential pollutant sources from coming into contact with stormwater. Practices that will be implemented to keep exposed areas of the site clean include the following:

- appropriate storage practices,
- proper garbage and waste management,
- dust control measures,
- use drip pans when changing fluids,
- clean up spills immediately with an absorbent,
- maintain adequate amount of absorbent materials on site, adjacent to potential spill, loading/unloading areas and equipment maintenance areas
- use spigots or funnels to minimize drips or leaks when transferring fluids,
- keep oily wastes separate from other wastes, especially solvents,
- store dirty rags in a covered container,
- change all fluids with an approved containment area to prevent discharge and dispose of fluids at an approved location offsite or store on site in areas with secondary containment for pickup by licensed waste hauler,
- do not store drums (empty or full, open or closed) or used pallets outdoors or uncovered,
- store onsite fuel/oils in areas with secondary containment
- keep hydraulic equipment in good repair and cleaning up drips promptly,
- keep dust collection areas clean and dispose of properly,
- clean up trash and properly dispose.

Inspections shall take place monthly and records of these shall be kept in this Plan.

#### **Vehicle or Equipment Washing**

Washing and/or rinsing of equipment or vehicles will no longer take place on site as of the date of this plan as directed by management until registration is submitted and approved for a General Permit for the Discharge of Vehicle Maintenance Wastewater from the State of Connecticut Department of Energy and Environmental Protection in accordance with applicable requirements.

If such activities are to be conducted on site, this Plan shall be modified to indicate where the washing will be done, how it will be contained, oil/water separator location, holding tank location and where the wastewater will be hauled to and facility to receive this wastewater. The

modification of this Plan shall include a copy of the associated wastewater discharge permits and/or the schedule for the holding tank (s) to be cleaned including the name of the waste hauler.

If, in the future, any questions regarding the permit process for the washing of vehicles/equipment on site, contact the CT DEEP at 860-424-3018 to discuss management and permitting requirements of vehicle/equipment wash and rinsewater discharges.

## **Floor Drains**

The existing maintenance garage has no floor drains. The pit within the maintenance garage area has a concrete bottom. There are no new buildings proposed with this permit.

## **Roof Areas**

The existing operations building, conex boxes, tire shed, miscellaneous sheds, crusher operation area and asphalt plant are the only roofed structures on site. Stormwater runoff sheet flows off of these roof areas into the pervious sand/gravel areas onsite or onto pavement areas where it sheet flows into the pervious sand/gravel areas onsite. There are no new buildings proposed with this permit and therefore no new associated dust accumulation on any new roofs.

## **Minimize Exposure**

The facility has designated fueling areas for vehicles and equipment. The outside fuel storage areas do not have roofs at this time over their associated secondary containment areas. However, the facility's SPCC Plan has specific procedures for discharging stormwater that accumulates in secondary containment areas including absorbing any possible sheen, leaks or spill that is within the secondary containment area. At these locations, potential pollutants are confined to a specific area where they are controlled and contained. All maintenance of transport vehicles and excavation equipment occurs within the maintenance garage portion of the operations building, whenever possible. Although the excavation and processing areas are exposed to rain, snow, snowmelt and runoff, these areas sloped such runoff is contained within the facility's operation area and cannot discharge/flow offsite by gravity. These areas will be properly maintained throughout the project.

## **Sediment and Erosion Controls**

The project involves excavation, storage and processing of earth materials including material storage, unloading for imported materials and loading for transporting materials offsite. Since the operation area for all these activities is within a depression or "bowl" area, any potential erosion or sedimentation of stockpiled earth products that may occur remains on site. Therefore erosion control measures such as sediment fence are not implemented or warranted except for the gravel access path at Outfall #2 where erosion control measures will be installed. If stormwater contains sediment and flows to the lowest portion of a specific area within the site, the water infiltrates/recharges back into the ground. In areas where ponding occurs due to the build-up of

sediment, the area is scraped of the potential fines to promote infiltration. In the wash pond, the sediment is removed as required and either disposed of onsite or, after dewatering, disposed of offsite. The paved access drives onsite promote the loss of sediment within the transport vehicles tire which prevents vehicles from tracking sediment onto Plainfield Road and other associated roadways.

In the future, after termination of the operations at this site under this permit, if and when a proposed development is approved for construction at this site by local regulatory authorities, all construction activities will be conducted in accordance with a General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities (if the proposed disturbed area is greater than 1 acre), the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control and the 2004 Connecticut Stormwater Quality Manual. These documents are available on the CT DEEP website at the following link or search the website for “Stormwater Management”.

[http://www.ct.gov/dep/cwp/view.asp?a=2721&q=325702&depNav\\_GID=1654](http://www.ct.gov/dep/cwp/view.asp?a=2721&q=325702&depNav_GID=1654)

There is no proposed development at this time.

## **Management of Runoff**

The facility has no stormwater drainage system. Stormwater runoff basically sheet flows to the lowest areas on site and infiltrates back into the ground. Controls that are used to reduce stormwater runoff, avoid groundwater contamination and maintain consistency with the Aquifer Protection Area Guidelines established by CT DEEP while encouraging the recharge of stormwater where it does not endanger groundwater quality are as follows:

- Vegetated earthen berms (either natural or manmade) surrounding the operations area to prevent stormwater runoff discharging offsite except by entrance drive,
- Grass swale along entrance drive where the only stormwater flow from the operations area discharges by sheet flow offsite,
- Impervious areas without curbing to allow sheet runoff to pervious areas minimizing concentrated flows,
- Collection, where practical, of stormwater into concrete-lined sediment/wash basins at low points on site for reuse of water,
- Prevention of illicit discharges to the ground including fuel, oil and chemicals,
- Minimize impervious coverage,
- Restricting pavement deicing chemicals to sand or environmentally suitable substitute such as calcium chloride or calcium magnesium,
- Maintenance program to maintain and inspect site.

Any evaluation, construction or modification of the design of the stormwater drainage system requires certification by a Professional Engineer licensed to practice in the State of Connecticut and such change shall be indicated in this Plan.

## **Preventive Maintenance**

A preventive maintenance program is implemented to ensure that structural control measures and industrial equipment are kept in good operating condition and to prevent or minimize leaks and other releases of pollutants resulting in discharges of pollutants to surface waters. Regular inspections on at least a monthly basis will include testing, maintenance and repair of industrial equipment and stormwater management devices.

Maintenance will include:

- removal of trash and accumulated sediment from sediment/wash ponds;
- secondary containment areas to remove trash and evaluate/handle accumulated stormwater;
- dumpsters, roll-offs or other trash containers;
- vehicle and equipment parking and storage areas
- operation equipment (crusher, conveyors, asphalt plant piping/machinery)
- maintenance areas to prevent fluid releases.

Maintenance inspection forms or logs shall be kept with this Plan. These logs track inspections and regular maintenance of industrial equipment and stormwater control measures. See Attachments “H” for maintenance areas to be inspected at a minimum, semi-annual inspection forms and monthly inspections forms. See Attachment “I” for the monthly checklist summary forms for each year.

## **Spill Prevention and Response Procedures**

The PPT team members have spill response contact information onsite which will be readily accessible and available to employees. See Attachment “G” for specific spill control and response plan information.

There is no underground storage of fuel on this site. There is outdoor above-ground fuel storage tanks and associated equipment on this site including diesel oil, circulatory oil and liquid asphalt oil. There is also motor oil, hydraulic oil, gear oil, waste oil and heating oil stored within buildings and conex boxes on site. The above-ground storage tanks are presently not in compliance with all of the requirements for secondary containment but will be in compliance by early 2015 as indicated in the owner’s Spill Prevention, Control and Countermeasures Plan (SPCC). Diesel fuel oil for equipment and transport vehicles is dispensed in the designated fueling area depicted on the Site Maps indicated on Attachment “B”.

There will be no onsite outdoor storage of chemicals. If outside storage of chemicals is proposed at a future date, this Plan shall be modified to incorporate this storage as follows:

Implement structural controls and procedures to minimize the potential for leaks, spills, and other releases, including, but not limited to, the following:

- All containers (e.g., “Used Oil,” “Spent Solvents”, etc.) that could be susceptible to spillage or leakage to encourage proper handling shall be appropriately labeled in order to facilitate rapid response if spills or leaks occur.
- Containers shall be kept within a building, conex box or similar storage container.
- Material Safety Data Sheets (MSDS) shall be located in the operations building and at the asphalt plant and be easily accessible;
- Preventative measures such as barriers between the fueling/storage area and traffic areas shall be installed and maintained;
- Preventative measures such as drip pans shall be placed under leaking equipment or vehicles that are waiting to be repaired/worked on in any areas of the site. Any contained oil or fuel shall be properly disposed of in compliance with all local, State and federal regulations;
- Secondary containment provisions will be available on site;
- OSHA-approved spill kits and absorbent materials will be kept on site at all times where oil is dispensed, used and stored;
- Weather-resistant forms for spill response procedures are posted by the main above-ground storage tanks (operations building and asphalt plant);
- Designated list of employees and equipment to be used in case of a spill is posted in the operations building;
- Procedures for material storage and handling will be made available to all site employees including procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases and procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies.

## **Employee Training**

Training in stormwater management is required for the members of the Pollution Prevention Team and for all employees who work in areas where industrial materials or activities are exposed to stormwater, or who are responsible for implementing activities necessary to meet the conditions of this general permit, including but not limited to, equipment operators, truck drivers, and maintenance employees.

Training will occur at the commencement of the permit and at least once per year thereafter. Training of new employees is also within thirty (30) days of new employment. If electronic or web based training is conducted it must be documented with records included in this Plan.

Training will be conducted or supervised by a member of the Pollution Prevention Team or other qualified person. A sign in/sign out sheet at each training class shall be utilized to document that employees have participated, and written records of participation will be maintained in this Plan. See Attachment “J” for employee training program and sample sign-in list for training sessions. Employee training records are routinely reviewed by DEEP staff during site inspections.



## **Non-Stormwater Discharges**

The only anticipated non-stormwater discharges exiting from this site under this permit are water sprayed for dust control throughout the site. At the completion of the excavation, processing and asphalt operations, all disturbed areas (except for the building, paved areas and the access driveway) will be loamed, seeded and mulched for permanent stabilization.

The Pollution Prevention Team shall manage and inspect the site and document any and all non-stormwater discharges that occur on site not listed in Section II of this Plan (identified in previous paragraph) and, if any, provide a procedure to eliminate same or modify this Plan accordingly.

## **Solid Deicing Material Storage**

There will be no storage of deicing materials on this site for the duration of this permit.

## **Discharges to Impaired Waters**

There is no existing or proposed discharge to an Impaired Water with an Established TMDL. Existing site runoff is overland sheet flow which, for the majority of the site, is contained on site. Small areas of stormwater runoff leave the site via the paved entrance driveway (which eventually flows into Clayville Pond, a non-impaired waterbody) and to a wetland area associated with the Aspinook section of the Quinebaug River (which is an impaired waterbody).

## **Sites Discharging to Municipal Separate Storm Sewer System**

This site will not discharge into a Municipal Separate Storm Sewer System (MS4). Most runoff is contained on site and a small area discharges into a State of Connecticut drainage system in Plainfield Road (CT Route #12).

## **Additional Control Measure Requirements by Sector**

Sector A (Asphalt Plants): No additional requirements.

Sector B (Non-Metallic Mines and Quarries, Stone Cutting): Sediment and erosion controls, dust suppression and diversion of uncontaminated stormwater run-on.

## IV. INSPECTIONS

This permit requires 2 types of inspection, semi-annual comprehensive site inspections and routine inspections that must be conducted at least monthly.

The focus of the site inspection is to ensure that management practices and control measures documented in Section III of this Plan are being implemented correctly and effectively and to help determine if changes to the stormwater management at the site need to be made.

### Semi-Annual Inspections

**Person(s) responsible for conducting semi-annual facility inspections:** At least one member of the Pollution Prevention Team must be involved in these facility inspections.

**Schedules for conducting semi-annual facility inspections:** These inspections shall take place in the spring time (late March or early April preferably during a rainfall event, in order to observe the assumed wettest time of the year and associated stormwater runoff and high groundwater conditions) and during September.

**The documents that are to be reviewed prior to the semi-annual inspection:** This list should include:

- Current Pollution Prevention Plan (Plan) including any modifications that were made to it,
- The current site map indicating the status that the project is at,
- All routine inspection reports for the year,
- All visual monitoring reports for the year,
- All analytical stormwater monitoring for the year,
- Any other pertinent documentation such as maintenance records, spill reports, etc.

### Inspection procedures:

The semi-annual inspections will be conducted for the entire operating site including, but not limited to, the following specific items:

- Material handling areas
- Material and chemical storage areas, if applicable, including raw, intermediate, final and waste materials
- Areas where industrial materials, residue or trash may or could come into contact with stormwater
- Leaks or spills from industrial equipment, tanks and other containers
- Offsite tracking of industrial or waste materials, or sediment where vehicles enter or exit the site
- Structural stormwater management measures needing replacement, maintenance or repair
- Stormwater infrastructure, including sediment basins, outfall areas, swales, pipes and spillways

- Vehicle storage, maintenance and repair areas

### **Reporting and follow-up procedures:**

Inspection reports prepared following the semi-annual inspections must be signed by the permittee and retained as part of the Plan for at least five years after the date of the inspection.

Inspection reports are routinely reviewed by DEEP staff during site inspections.

The inspection report should provide, at a minimum, the following information:

- The date of the inspection
- The name(s) and title(s) of the inspector(s)
- Weather information for the day(s) of the inspection
- Findings from the areas of the facility that were observed
- All observations relating to the implementation of the control measures including:
  - Previously unidentified discharges from the site
  - Evidence of, the potential for, pollutants entering the drainage system
  - Status of control measures (are any in need of maintenance, repair or replacement),
  - Evidence of pollutants discharging at the site outfall(s), and the condition of and around the outfall(s)
  - Any incidents of non-compliance observed
- Additional control measures or other actions needed to address conditions requiring corrective action identified during the inspection, and a schedule to complete these measures
- Any required revisions to the Plan resulting from the inspection

See the maintenance and inspection information and the Semi-Annual Inspection Form (2 pages) in Attachment “H”.

## **Routine Inspections**

**Person(s) responsible for conducting routine inspections:** At least one member of the Pollution Prevention Team must be involved in these facility inspections. Other employees that regularly work in areas where stormwater may come into contact with industrial activities or materials should also be present during the inspection.

**Schedules for conducting routine inspections:** The monthly routine inspections shall take place in the first week of each month, preferably during a rainfall event. More frequent inspections which may be necessary based on results of the monthly routine inspection shall be conducted on an as-needed basis (e.g. fueling area, storage areas, etc.).

**Inspection procedures:** The routine inspections will include evaluating the control measures and areas including, but not limited to, the following:

- conditions of stormwater outfall at the driveway entrance, gravel access path and curtain drain pipe outlet, at drainage piping for wash ponds (trash accumulation, staining,

evidence of unauthorized non-stormwater discharges, etc.);

- condition of basins and grass swales (trash accumulation, presence of sheen);
- overall good housekeeping (dumpster covers, staining in vehicle/equipment maintenance areas, litter);
- fueling area;
- material storage areas;
- conditions of installed control measures (do any need to be maintained or replaced?);
- pavement areas for evidence of equipment or vehicle fuel or oil leaks and runoff areas to remove oil, trash and accumulated sediment;
- dumpsters, roll-offs or other trash containers;
- erosion control measures and erodible areas;
- vehicle and equipment storage
- maintenance areas.

**Reporting and follow-up procedures:** Records of routine inspections must be prepared and maintained in the Plan. Inspection reports are routinely reviewed by DEEP staff during site visits.

The inspection report should provide the following information:

- The inspection date and time
- The name(s) and title(s) of the inspector(s)
- Weather information for the day(s) of the inspection
- A description of any discharges observed
- A description of the visual quality of the discharges (sheen, turbidity, discoloration, etc.)
- Status of stormwater control measures (are any in need of maintenance, repair or need to be replaced?)
- Any incidents of non-compliance observed
- Additional control measures or other actions needed to comply with permit requirements
- Any required revisions to the Plan resulting from the inspection

See the maintenance and inspection information and the Monthly Routine Inspection Form (3 pages) in Attachment “H”.

### **Additional Inspection Requirements by Sector – Minimum Time Frames**

There are no additional requirements for Sector A (Asphalt Plants) or Sector B (Non-Metallic Mines and Quarries, Stone Cutting).

## V. SCHEDULES AND PROCEDURES FOR MONITORING

This general permit requires both a visual assessment and analytical testing of stormwater discharges. The intent of this monitoring is to provide a qualitative and quantitative indicator of how well a facility's stormwater control efforts are working. The Pollution Prevention Team is expected to review the monitoring data with an understanding of the permit requirements, benchmarks, and effluent limitations for the specific industry operating at this site, and to make changes to the management practices and control measures, as necessary, to comply with the general permit.

Preparation for stormwater sampling is essential for maintaining compliance with the general permit.

### Visual Monitoring

Visual monitoring is required and is to be conducted quarterly on samples taken during a storm event. The nature of the discharge requires assessment based on several visual parameters. The purpose of conducting visual assessments is to make sure that stormwater discharges are free from objectionable characteristics that may indicate that existing control measures are not adequate or not being properly operated and maintained. These samples are taken at the same locations as the general and sector-specific monitoring.

#### **Person(s) responsible for visual assessments:**

The assessment should be conducted by a member of the Pollution Prevention Team.

#### **Frequency of conducting the visual assessments:**

The inspection frequency will be once each quarter during the entire permit term. Quarters begin on January 1, April 1, July 1, and October 1.

#### **The locations of the outfalls to be assessed:**

The visual assessment will take place at Outfall #1 where the site stormwater discharges toward Plainfield Road (CT Route #12), at Outfall #2 where the site stormwater discharges down the gravel access path to the water pump and at Outfall #3 where site stormwater discharges out of a curtain drain pipe towards the wetlands associated with the Aspinook Pond section of the Quinebaug River. These locations are shown on the Site Maps on Attachment "B".

#### **Specific items to be covered by the assessment are as follows:**

- color
- odor
- suspended solids
- clarity
- floating solids
- settled solids

- foam
- oil sheen
- other obvious indicators of stormwater pollution

### **Description of collection procedures and equipment for collecting samples:**

Samples must be representative of the site's stormwater discharge. Samples must be collected in a clean, clear glass or plastic container, and evaluated in a well lit area. Stormwater runoff at Outfall #1 must be flowing in the gutter area of the driveway in order to collect the sample. A small area of the soil/grass area adjacent to the edge of pavement may need to be removed to an adequate depth (3"-6") in order to be able to collect a sample. Once this spot is created, it could be used for obtaining future samples. Stormwater runoff at Outfall #2 must be flowing down the gravel access path in order to collect the sample. A small area of the gravel adjacent to the end of the path may need to be removed to an adequate depth (3"-6") in order to be able to collect a sample. Once this spot is created, it could be used for obtaining future samples. Stormwater runoff at Outfall #3 must be flowing out of the pipe in order to collect the sample. Although this pipe is located at the bottom of a steep embankment, once access to this pipe is cleared, it will be maintained for use in obtaining future samples.

### **Reporting and follow-up procedures:**

See the Visual Monitoring Form in Attachment "M".

Visual monitoring records must be kept in the Plan but are not required to be submitted to DEEP unless requested. Provide the following information in the visual monitoring records:

- The names and titles of individuals collecting the sample and performing the assessment
- Sample collection and visual assessment date and time for each sample
- Nature of the discharge (i.e., runoff or snowmelt)
- Sample locations
- Results of observations
- Probable sources of any observed stormwater contamination
- Actions taken to eliminate sources of stormwater contamination
- Document reasons if unable to collect a representative sample (e.g. no flow)

## **General Monitoring Requirements**

Stormwater samples for laboratory analysis are required to be collected at least twice per year, once between October 1 and March 31 and once between April 1 and September 30.

## **Standard Monitoring Parameters**

Semi-annual monitoring shall be conducted for the parameters listed below:

- Chemical Oxygen Demand (mg/l)
- pH (S.U.) of the discharge and of uncontaminated rainfall
- Total Suspended Solids (mg/l)
- Total Phosphorus (mg/l)

- Total Kjeldahl Nitrogen (mg/l)
- Nitrate as Nitrogen (mg/l)
- Total Copper (mg/l)
- Total Lead (mg/l)
- Total Zinc (mg/l)
- Aquatic Toxicity
- Total Oil and Grease (mg/l)
- Semivolatile Hydrocarbons(mg/l)

Monitoring for Aquatic Toxicity will be conducted once per year during the first two years following authorization of the discharges under this permit. This parameter shall be included in one of the regularly scheduled semi-annual samples.

**Description of Monitoring Requirements:**

**Person(s) responsible for collecting the sample and for taking the sample to the laboratory:** Steve Walsh of American Industries, Inc., another designated staff member from American Industries, Inc. or a private consultant will be responsible for collecting the samples and taking the samples to the laboratory for analysis.

**What to monitor:** The parameters that need to be monitored and any applicable benchmark concentrations or effluent limits associated with each parameter are indentified in this Plan.

**Where to monitor:** The 3 outfalls at this facility is where monitoring is required as indicated on the Site Maps on Attachment “B”. Outfall #1 is at the gutter area on the north side of the paved entrance driveway at the front property line. Outfall #2 is at the end of the gravel access path by the wetlands. Outfall #3 is at the pipe outlet. Stormwater runoff from the excavation area, processing area, asphalt plant and active operation areas flow to depression areas on site and infiltrate through the permeable soils onsite. All other wooded and areas outside of the active operation area of the site will sheet flow overland off site.

If stormwater runoff from the site does not discharge during a given semi-annual period at the Outfalls, sampling at those Outfalls for that period is not necessary and the Stormwater Monitoring Report must state “No Discharge” at which, if any, Outfalls. In such a case, it must be documented that these Outfalls had absolutely no discharge during that period.

**When to monitor:** This general permit requires this facility to conduct a visual assessment of stormwater samples on a quarterly basis, and to sample stormwater runoff for chemical analysis on a semi-annual basis. Semi-annual analytical samples should be taken concurrently with quarterly samples for visual assessment so the visual observations can be compared with laboratory results, and reduce your sampling burden.

The permittee/sampling firm should become familiar with local precipitation trends, storm patterns, and seasonal variations, and check local weather forecasts so sampling can be accomplished during upcoming precipitation events. Stormwater samples should be collected as



early in the monitoring cycle as possible (never assume that the weather will cooperate with the need to sample during that time cycle).

**How to conduct the monitoring:** To collect stormwater samples from the designated monitoring points, follow the following procedures:

- Outfall #1: access the entrance driveway area to get samples from the flow exiting from the site during a storm event, not water dispersed by the facility's water truck for dust control. Monitoring will be conducted by taking one grab sample from the gutter area on the north side of the driveway discharging Plainfield Road (CT Route #12) starting within the first thirty (30) minutes of flow at the sampling location during a storm event that occurs at least 72 hours after any previous storm event that generated a stormwater discharge.
- Outfall #2: access the gravel access path area to get samples from the runoff flowing down the slope during a storm event. Monitoring will be conducted by taking one grab sample from the bottom of the access path before discharging into the wetlands starting within the first thirty (30) minutes of flow at the sampling location during a storm event that occurs at least 72 hours after any previous storm event that generated a stormwater discharge.
- Outfall #3: access the pipe outlet area to get samples from the flow discharging out of the pipe during a storm event. Monitoring will be conducted by taking one grab sample from the water discharging out of the pipe starting within the first thirty (30) minutes of flow at the sampling location during a storm event that occurs at least 72 hours after any previous storm event that generated a stormwater discharge.

Grab samples shall not be combined. Any sample containing snow or ice melt must be identified on the Stormwater Monitoring Report (SMR) form. All discharge samples shall be taken during the same storm event, if feasible.

The following information shall be collected for the storm events monitored:

- Date, discharge temperature, time of the start of the discharge, time of sampling, and magnitude (in inches) of the storm event sampled;
- The pH of the uncontaminated rainfall (before it contacts the ground); and
- The duration between the storm event sampled and the end of the most recent storm event that produced a discharge.

**Where you will send the sample for analysis:** A state certified laboratory will analyze the stormwater samples. The laboratory that will perform the sample analysis is:

Name of lab Premier Laboratory, Inc.  
Address 61 Luisa Viens Drive, Dayville, CT 06241  
Contact name Nicole Audet  
Phone number 860-774-6814 Ext. 125  
Lab hours of operation 8:30-5:00 Monday-Friday  
Any sampling procedures or paperwork required by the lab See Attachment "N"

A list of state certified laboratories can be obtained by calling the DEEP at 860-424-3018 and asking to speak to the Engineer of the Day.



**Who will prepare and sign the Stormwater Monitoring Report (SMR) for submittal to the DEEP:** Results will be submitted on the SMR to the DEEP within 90 days of sample collection, as required by this permit. The state approved laboratory or the PPT members will be responsible for transmitting the SMR. Laboratory forms will not be accepted in lieu of the SMR. Failure to submit the SMR will be considered a violation of this general permit and will be subject to enforcement including penalty. If your laboratory or consultant fails to submit the SMR on behalf of the permittee, this constitutes a violation of the general permit.

If a sample is unable to be collected, submit the SMR with a notation of “No Discharge” and an explanation as to why the required sample was unable to be obtained. Reasons may include the absence of a 72-hour period of dry weather, the absence of a rain event that produces a stormwater discharge, the absence of a discharge from the Outfall or safety considerations preventing access to a stormwater discharge location. Timing of a rain event is not an acceptable reason to fail to sample unless it precludes the analysis of a parameter within the acceptable hold time specified by a laboratory.

## Standard Monitoring Benchmarks

A benchmark is a standard to measure stormwater discharge quality. Analysis of the benchmark monitoring results can provide information about the characteristics of the stormwater runoff and how well the control measures are working. This facility must comply with the benchmarks for the standard parameters below.

Unless otherwise specified in the general permit, all pollutant parameters shall be tested according to methods prescribed in Title 40, Code of Federal Regulations (CFR), Part 136. Laboratory analysis must be consistent with Connecticut Reasonable Confidence Protocols.

PARAMETER	UNITS	LEVELS
Total Oil and Grease	mg/L	5
Chemical Oxygen Demand	mg/L	75
Sample pH	S.U.	5-9
Total Suspended Solids	mg/L	90
Total Phosphorous	mg/L	0.40
Total Kjeldahl Nitrogen	mg/L	2.30
Nitrate as Nitrogen	mg/L	1.10
Total Copper	mg/L	0.059
Total Lead	mg/L	0.076
Total Zinc	mg/L	0.160

There is no benchmark for aquatic toxicity. Sampling for this parameter is conducted annually for the first two years only.

Once the lab results are received for the benchmark samples, compare these concentrations to the benchmark values that apply to this facility. The general permit requires that four benchmark samples be conducted; the average value of the four samples is determined, and compared to the standard benchmark values for each parameter. If the average concentration of the site samples exceeds the benchmark, then the permittee is required to evaluate whether changes to the control measures are necessary. In addition, prior to the collection of all four samples, if one or more sample results make an exceedance of the benchmark mathematically certain, the permittee is required to conduct this evaluation without waiting for the results of the remaining benchmark samples. See Section 5(e)(1)(B) and the table below.

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**Evaluation of Benchmark Monitoring Results**  
**Section 5(e)(1)(B)**

(1) Parameters without benchmarks must be sampled throughout the permit term, unless specifically

**Does the average of your four quarterly benchmark samples for any pollutant exceed the applicable benchmark concentration?**

**OR**

**If you have not yet completed your four quarterly benchmark samples, does the total value of your samples already make an exceedance of the benchmark mathematically certain (e.g., the sum of the concentration of your samples exceeds four times (4X) the benchmark concentration)?**

**YES**

Within 120 days you must ...

- Evaluate whether modifications to the stormwater control measures used at your site are necessary. Consider whether there is a problem in the selection, design, installation, and/or operation of applicable control measures.
- Follow the evaluation and corrective action process in Section 5(e)(1)(B).
- If applicable, submit documentation of your evaluation to the Department \*
- Update your Plan as required by Section 5(c)(5).

**NO**

**You may discontinue monitoring for that parameter for the duration of the permit.**

Sample results below benchmark limits provide an indication that your control measures are working as intended to minimize the discharge of pollutants.

You are still required to meet all requirements in the permit affecting the implementation and maintenance of your control measures, despite the good results of your benchmark monitor

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An exceedance of a benchmark is not, in itself, a violation of the general permit.

noted.

(2) Although covered by a statewide TMDL addressing nitrogen loading to Long Island Sound, additional monitoring for TKN and nitrate is not required if the concentration of these parameters in your stormwater is below the benchmarks.

\*If you make a determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice to implement additional control measures or meet the benchmarks, you must continue monitoring once per year. Documentation that no further pollutant reductions are achievable must be submitted to DEEP for written approval. All records related to this documentation must be kept in the Plan.

\*If you make a determination that an exceedance of a benchmark is attributable solely to the presence of that pollutant in the natural background or in “run-on” entering from off-site, the permittee is not required to perform corrective actions or additional benchmark monitoring provided all of the following conditions are met:

- The average concentration of the benchmark monitoring results is less than or equal to the concentration of that pollutant in the natural background or off-site run-on;
  - Documentation supporting the rationale that benchmark exceedances are attributable solely to natural background or off-site pollutant levels is maintained in your Plan;
  - The infeasibility or impracticality of the diversion of off-site run-on is demonstrated;
  - You notify the DEEP on the final semi-annual benchmark SMR that the benchmark exceedances are attributable solely to natural background or off-site pollutant levels;
- AND
- The DEEP approves your documentation demonstrating that the benchmark exceedances are attributable solely to natural background or off-site pollutant levels.

## **Sector Specific Monitoring and Benchmarks**

Sector A facilities are required to conduct semiannual monitoring for semivolatile hydrocarbons. The test method shall be EPA Method 625 and results indicated in mg/L. There are no Benchmark Levels for this parameter under this Sector.

Sector B facilities are not required to conduct additional monitoring.

## **Additional Monitoring of Discharges to Impaired Waters**

This facility does not discharge into impaired waters.

### **Discharges to Impaired Waters without an Established TMDL**

The parameters required to be monitored are TKN, NO<sub>3</sub> and Total Phosphorous which are already to be monitored under this permit.

### **Discharges to Impaired Waters with an Established TMDL**

This section is not applicable.

## **Sector Specific Effluent Limitations**

Sector A facilities for this asphalt plant do not have specific effluent limitations.

Sector B facilities do not have specific effluent limitations.

## **Keeping Records of Implementation Activities**

As inspections, monitoring, corrective actions, and other permit implementation activities are conducted/implemented, additional records will be generated, such as inspection reports and monitoring results. This additional documentation shall be kept on-site with this Plan. The PPT shall ensure these records are accessible, complete, and up-to-date so that they demonstrate full compliance with the conditions of this permit. DEEP staff will expect to be able to review these records during compliance inspections.

Examples of this additional documentation include:

- Permit records – copies of your general permit registration form, any letters received from the permitting authority, and a copy of the general permit.
- Spill records – dates of any incidences of significant spills, leaks, or other releases that resulted in a discharge of pollutants, the circumstances leading to the release, actions taken in response to the release, and measures taken to prevent the recurrence of a release.
- Employee training records – keep copies of all employee training records, including dates, who was trained, and the training topics.
- Maintenance records – retain copies of all maintenance and repairs of control measures, including dates of regular maintenance, dates when maintenance needs were discovered, and dates when control measures were returned to full function.
- Inspection records – keep copies of all routine facility inspection reports, quarterly visual assessment reports, and semi-annual comprehensive site inspection reports.
- Monitoring records – retain records of all sampling results including data collection forms, lab results, and discharge monitoring reports (DMRs).
- Corrective action records – keep records of any corrective actions and follow-up activities conducted to demonstrate compliance with the permit.

## **Common Compliance Problems at Industrial Facilities**

The following are common problems found during inspections of industrial sites. These are provided to assist the permittee in developing and maintaining an effective Plan. It is not enough to have a completed Plan at the site. To establish compliance with the permit limits and conditions, you must also implement the procedures, and install and maintain the control measures, described in your Plan, and make modifications as necessary to improve your

performance.

**No Plan developed.** Some facilities do not realize that they need to develop a Plan, or they may copy a generic Plan or a Plan for another facility. Your Plan must be specific to your site and should address only your facility.

**Control measures described in the Plan are not used.** The Plan identifies stormwater control measures that are not actually being used at the site. The general permit holds you responsible for effectively implementing all control measures identified in your Plan. If your Plan has identified control measures not being used at your site, you need to edit your Plan to accurately reflect those measures you are in fact using.

**No Plan on-site.** A copy of the Plan is not available on-site for review when a permitting authority or other regulatory agency inspects your site. You are responsible for maintaining a copy on-site at all times. If your Plan is being updated off-site, keep a marked-up copy on-site or an electronic copy until the revised Plan arrives.

**Plan is not signed.** The responsible facility representative did not sign and authorize the current version of the Plan.

**Pollution Prevention Team not up-to-date.** The pollution prevention team identified in the Plan is not current. This is particularly a problem at facilities with high turnover, however, it is critical that this information be current. Also, identify if a consulting or engineering firm is participating as a member of the team.

**On-site staff not familiar with the Plan.** Upon arrival of an inspector, no one familiar with the stormwater program is available. A common permit requirement is that at least one employee per shift is familiar with the stormwater program and has access to the relevant files.

**Improper collection of samples.** Stormwater samples are collected from pooled areas on site. Pooled areas tend to concentrate pollutants and are not representative of the discharge from your site.

**Wash/sediment ponds and stormwater outfalls haven't been cleaned.** The frequency for inspecting and cleaning stormwater outfalls must be a part of your plan. Keep records of inspections and clean-outs with the Plan and available for review by DEEP staff.

**Uncovered dumpsters.** Dumpsters that receive metal waste are not covered or contained. Dumpsters from contract waste collection agencies are often not appropriately sealed and can leak oils or other contaminants.

**Containers without secondary containment.** Waste and chemical containers are stored without the proper coverage or secondary containment.

**Poor employee/contract staff training.** Employees or contract staff are not familiar with your stormwater management program. You are responsible for educating employees and contractors

because if they release pollutants at your facility, you are responsible. If you use contractors, they should be referred to in your Plan and required to be trained as a part of the contract.

**Inspection or monitoring records are not kept with the Plan.** Records of routine site inspections, visual assessments, or monitoring results are not available with the Plan for review during regulatory site inspections. All records on implementation of practices required in the permit must be kept with the Plan.

**Monitoring and inspection records are not reviewed.** Stormwater sample results and inspection reports provide an indication of how well your stormwater control measures are working. Review your monitoring and inspection records and determine if changes to your Plan, or how your Plan is being implemented, need to be made.

**Plan Availability** – Keep a copy of the current, signed and certified Plan at your facility, and make it available to EPA, State, local agency or other regulatory agency staff at the time of an onsite inspection or upon request. The Plan should also be made easily available to facility staff, and should be readily referred to during regular facility operations to ensure that all activities are implemented as described in the Plan.

**Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Robert J. Schuch, PE, CPSWQ for Boundaries LLC

Signature: \_\_\_\_\_

Title: Project Engineer

Company: Boundaries LLC

Date: January 6, 2015



## **ATTACHMENT “A”**

**GENERAL LOCATION MAP (North)**

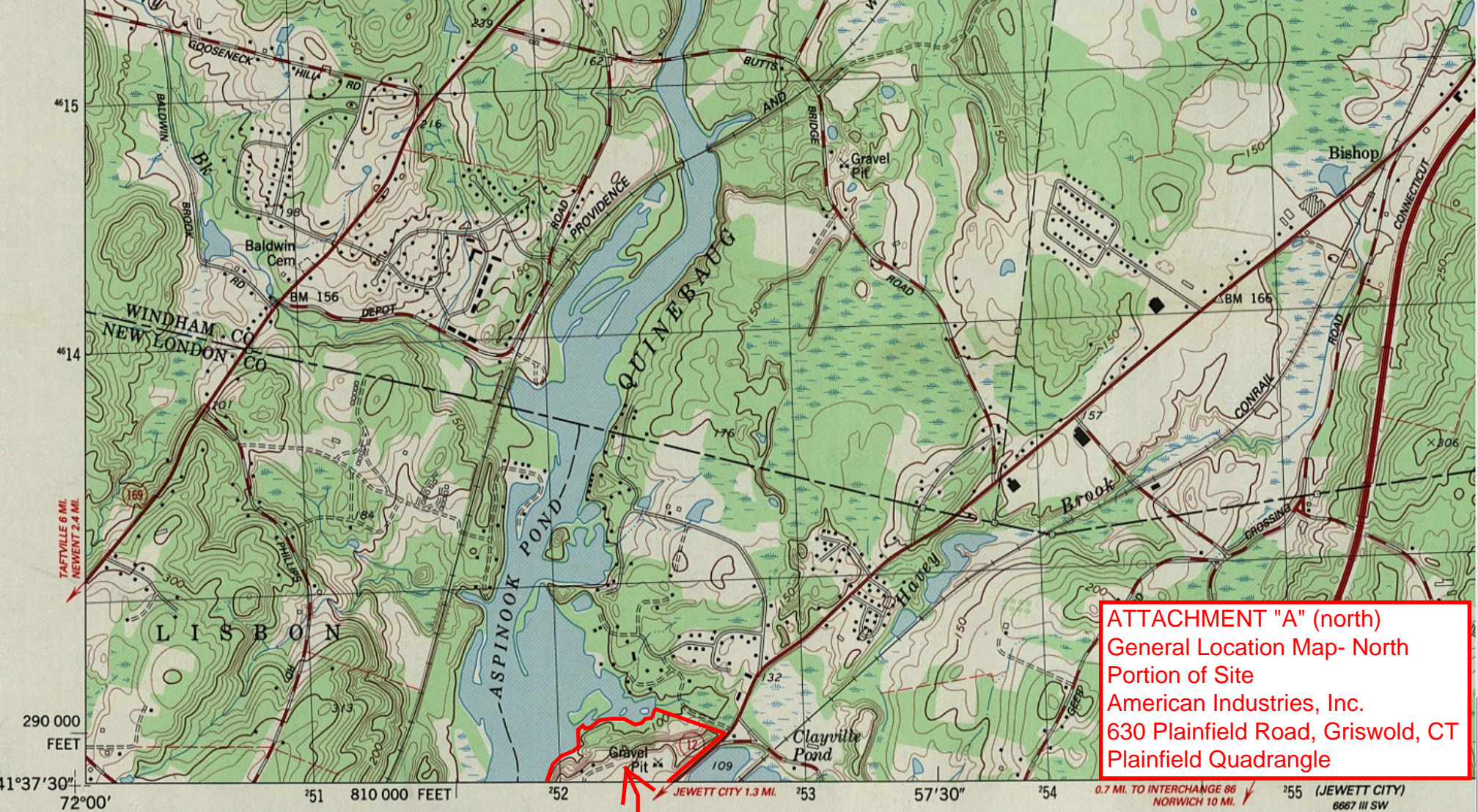
**GENERAL LOCATION MAP (South)**

**GENERAL LOCATION MAP- Outfall #1**

**GENERAL LOCATION MAP- Outfall #2**

**GENERAL LOCATION MAP- Outfall #3**

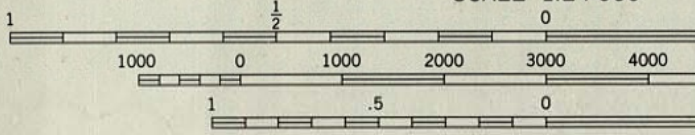
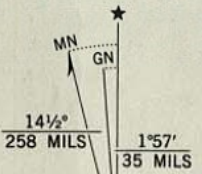




ATTACHMENT "A" (north)  
 General Location Map- North  
 Portion of Site  
 American Industries, Inc.  
 630 Plainfield Road, Griswold, CT  
 Plainfield Quadrangle

North portion of  
 American  
 Industries, Inc. site

Mapped, edited, and published by the Geological Survey in cooperation with Connecticut Department of Environmental Control by USGS, NOS/NOAA, and Connecticut Geodetic Survey. Topography by photogrammetric methods from aerial photographs taken 1974. Field checked 1976. Revised from aerial photographs taken 1980. Limited field check 1983. Map edited 1983. Supersedes map dated 1953. Projection and 10,000 foot grid ticks. Connecticut coordinate

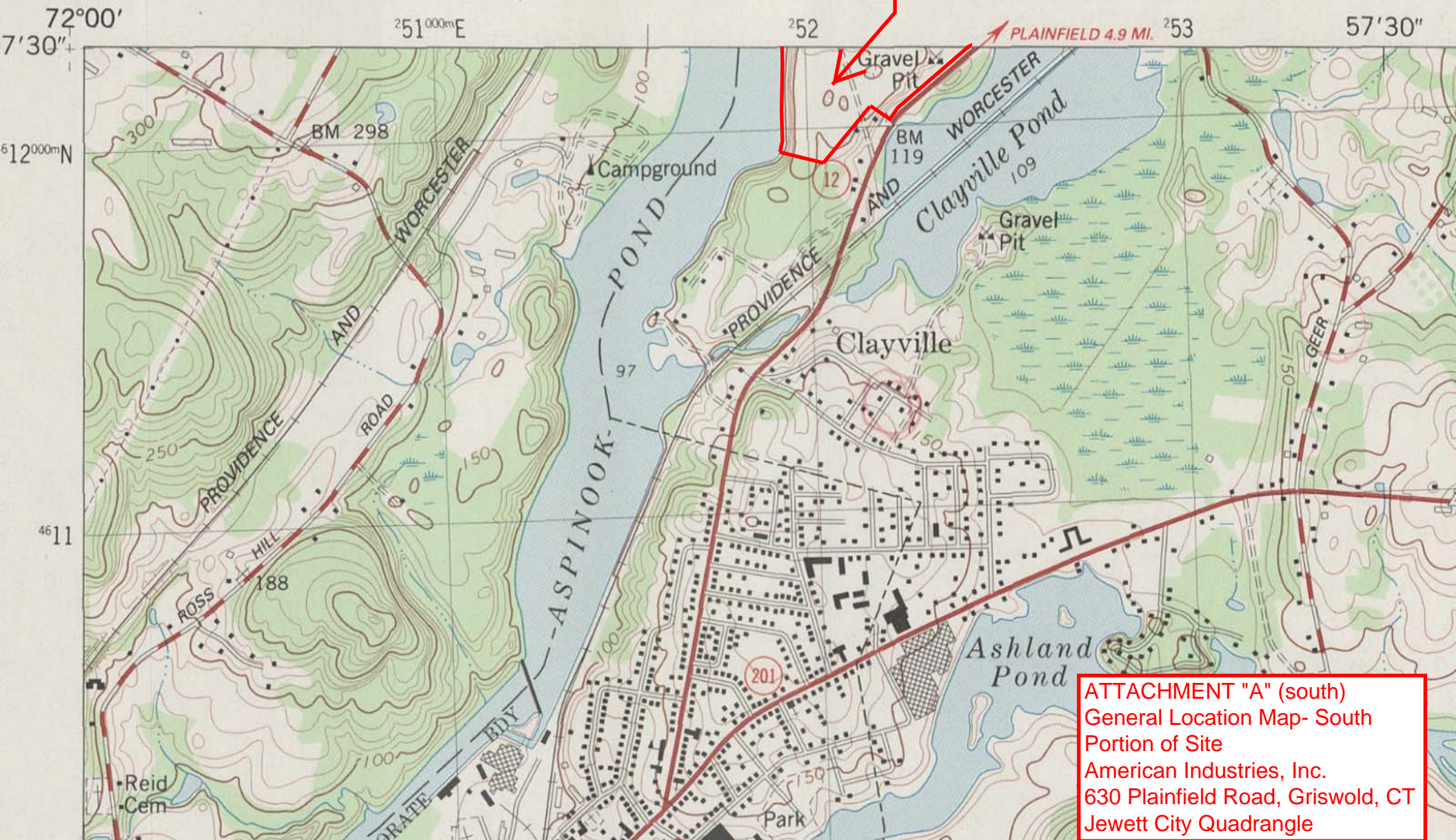


CONTOUR INTERVAL 10 FEET  
 NATIONAL GEODETIC VERTICAL DATUM



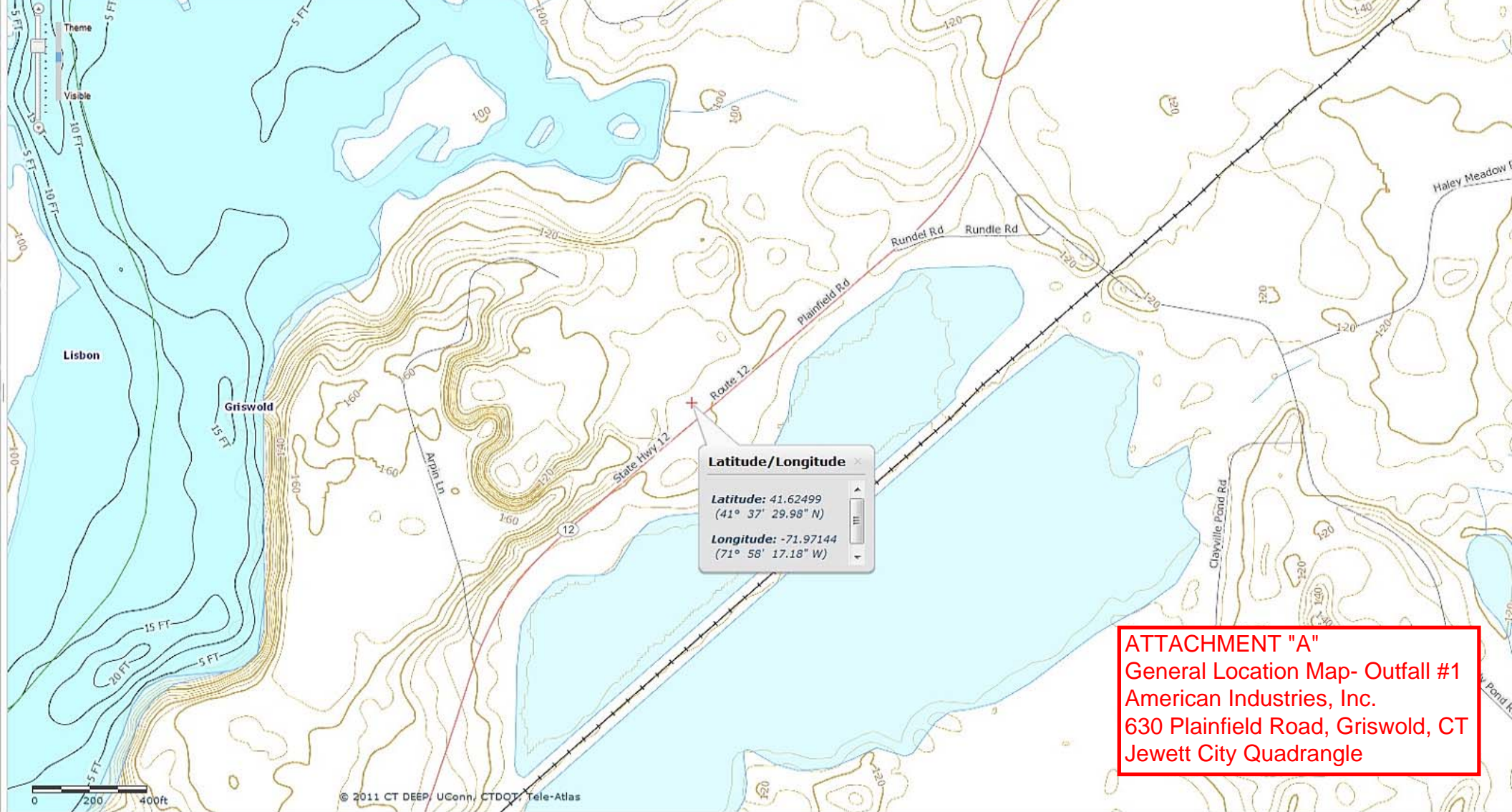
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

South portion of  
American  
Industries, Inc. site



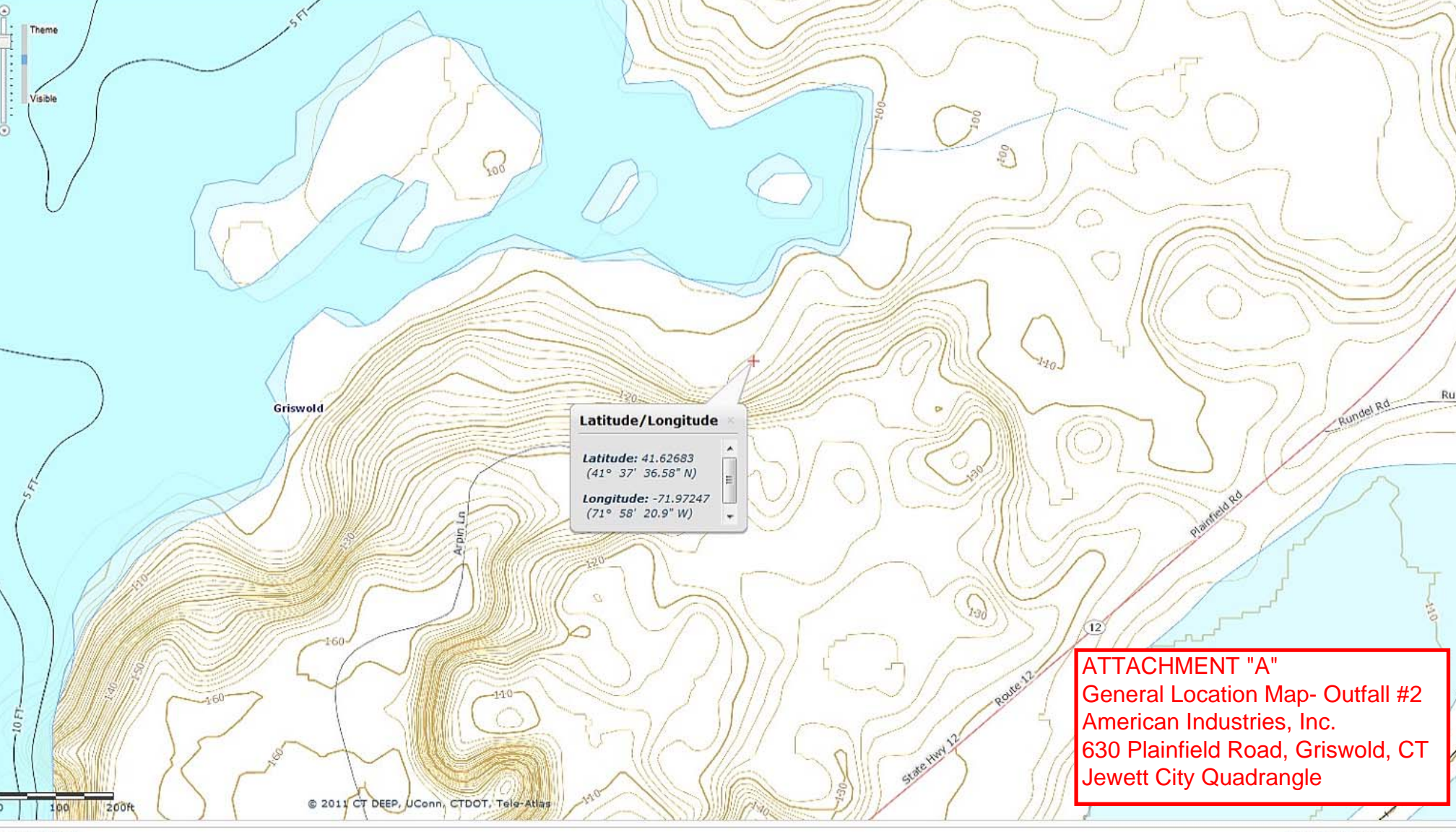
ATTACHMENT "A" (south)  
General Location Map- South  
Portion of Site  
American Industries, Inc.  
630 Plainfield Road, Griswold, CT  
Jewett City Quadrangle





**ATTACHMENT "A"**  
**General Location Map- Outfall #1**  
**American Industries, Inc.**  
**630 Plainfield Road, Griswold, CT**  
**Jewett City Quadrangle**





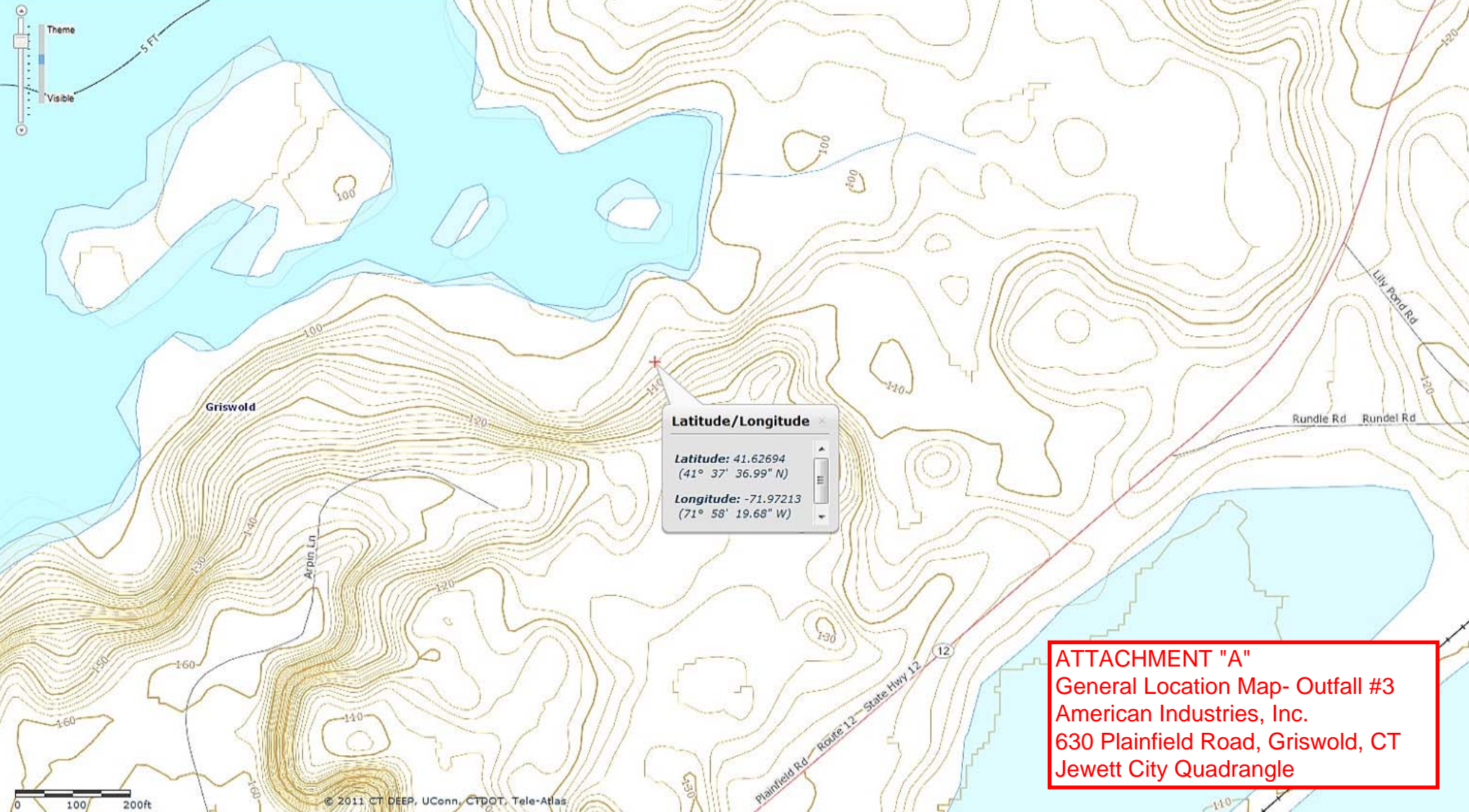
**Latitude/Longitude**

**Latitude:** 41.62683  
(41° 37' 36.58" N)

**Longitude:** -71.97247  
(71° 58' 20.9" W)

**ATTACHMENT "A"**  
**General Location Map- Outfall #2**  
**American Industries, Inc.**  
**630 Plainfield Road, Griswold, CT**  
**Jewett City Quadrangle**





**Latitude/Longitude** x

**Latitude:** 41.62694  
(41° 37' 36.99" N)

**Longitude:** -71.97213  
(71° 58' 19.68" W)

**ATTACHMENT "A"**  
**General Location Map- Outfall #3**  
**American Industries, Inc.**  
**630 Plainfield Road, Griswold, CT**  
**Jewett City Quadrangle**

0 100 200ft

© 2011 CT DEEP, UConn, CTDOT, Tele-Atlas

## **ATTACHMENT “B”**

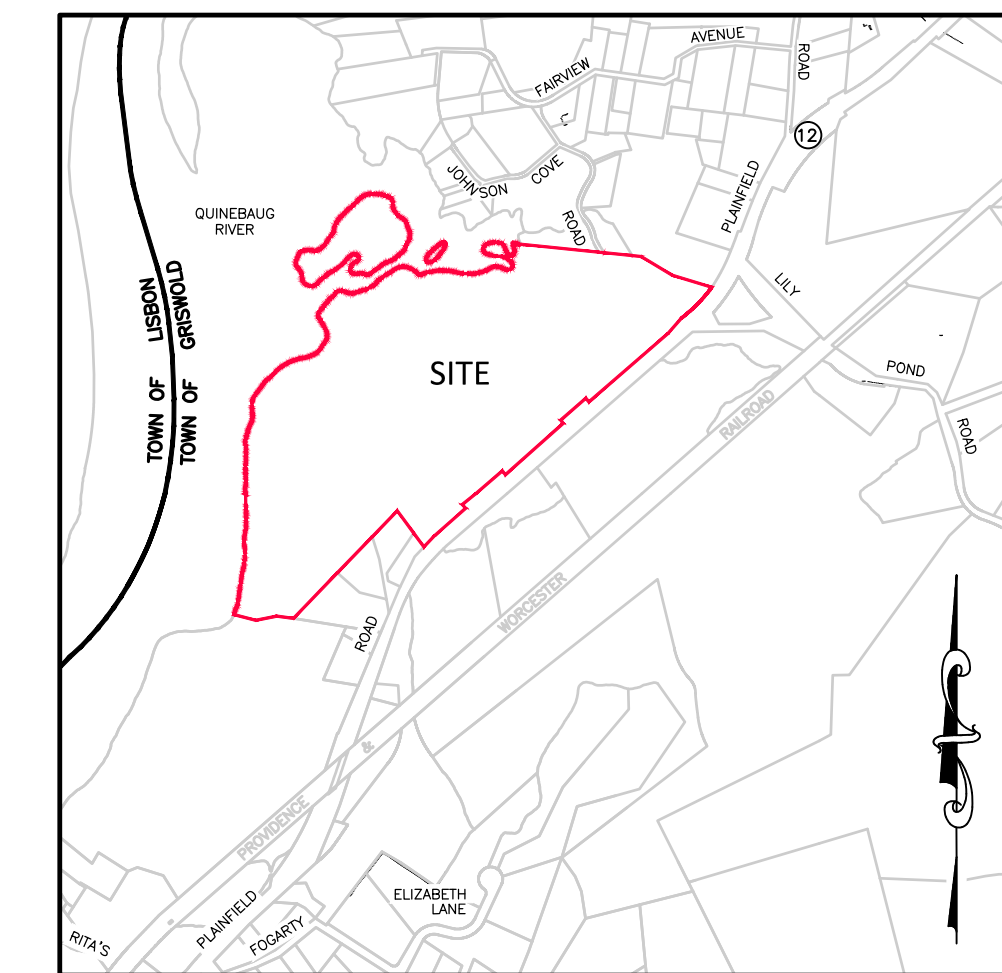
### **SITE MAPS**

Compilation Plan- Overall Site Map	Sheet 1
Compilation Plan- 40 Scale Operation Area- 1	Sheet 2
Compilation Plan- 40 Scale Operation Area- 2	Sheet 3
Compilation Plan- 40 Scale Operation Area- 3	Sheet 4
Compilation Plan- 40 Scale Operation Area- 4	Sheet 5
Compilation Plan- Drainage Areas	Sheet 6

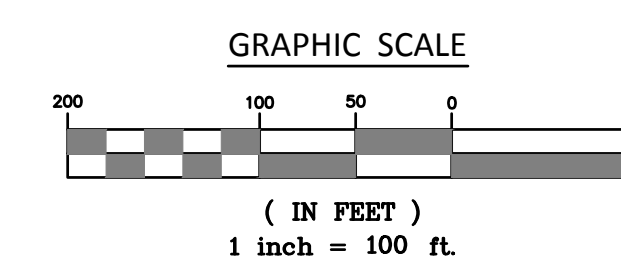


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**LOCATION MAP**  
SCALE: 1"=1,000'



"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

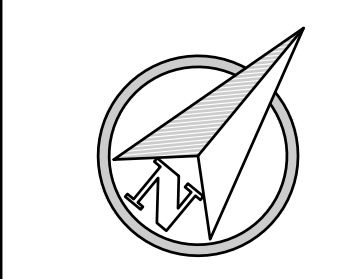
70016  
JOHN U. FAULISE JR. L.S. LICENSE NO. DATE

P:\CIVIL 3D PROJECTS\2014\14-2280 AMERICAN INDUSTRIES ROUTE 12 GRISWOLD\DWG\14-2280\_SWPPP\_FIGURES-NO VEHICLE WASHING.DWG

**B** © 2014 BOUNDARIES LLC  
THIS DRAWING IS THE PROPERTY OF BOUNDARIES LLC AND HAS BEEN SPECIFICALLY PREPARED FOR THE OWNER OF THIS PROJECT. AT THIS SITE, AND IS NOT TO BE DUPLICATED OR USED IN PART OR WHOLE FOR ANY OTHER PURPOSE. PROJECT LOCATION OR OWNER WITHOUT THE EXPRESSED WRITTEN CONSENT OF BOUNDARIES LLC.

**BOUNDARIES**  
CIVIL ENGINEERING LAND SURVEYING LAND USE PLANNING SOIL SCIENCE  
Boundaries LLC  
179 Pachaug River Drive, Griswold, CT 06351  
1-860-376-7006 | www.boundariesllc.com

Compilation Plan  
"Overall Site Map"  
Prepared for  
**American Industries, Inc.**  
630 Plainfield Road (CT Route #12), Griswold, Connecticut



SCALE: 1" = 100'±  
DATE: January 2015  
JOB I.D. NO. 14-2280  
Revisions

SHEET NO.  
**1**  
**6**

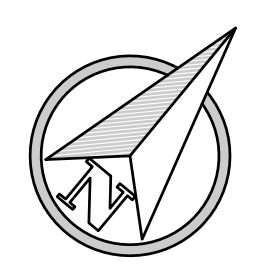


Match Line - See Sheet 3



Match Line - See Sheet 5

Compilation Plan  
 "40-Scale Operation Area - 1"  
 Prepared for  
**American Industries, Inc.**  
 630 Plainfield Road (CT Route #12), Griswold, Connecticut

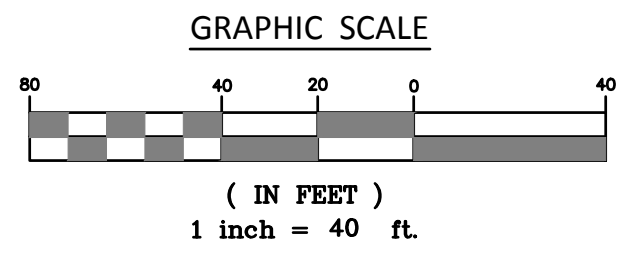


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 JOB I.D. NO. 14-2280  
 Revisions

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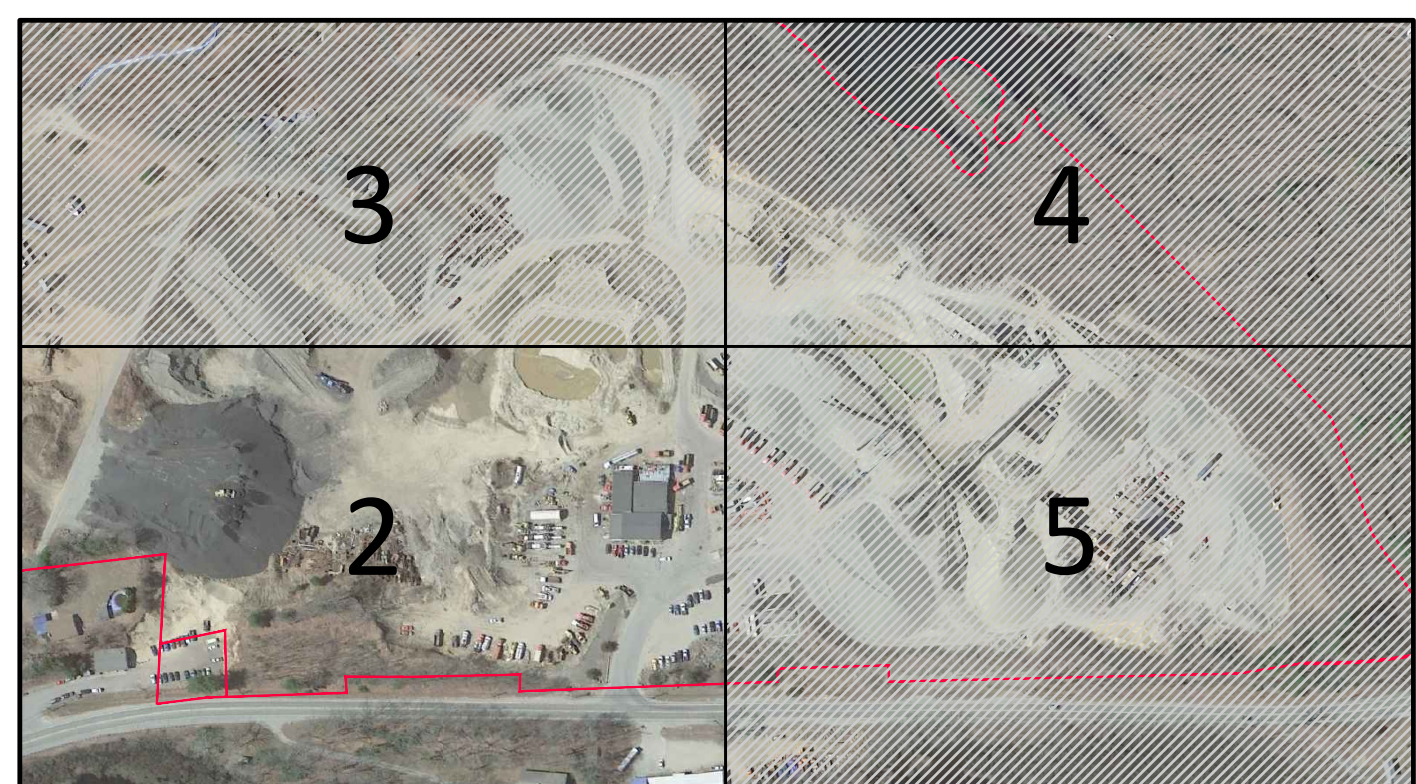
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JOHN U. FAULISE JR. L.S. 70016 LICENSE NO. DATE



LOCUS MAP



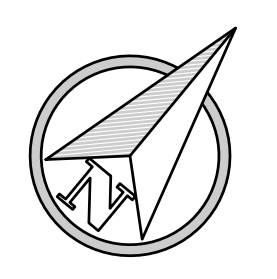
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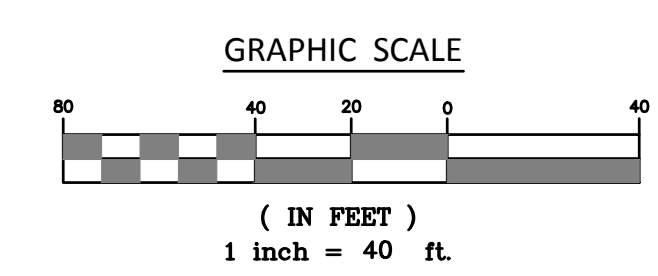
Match Line - See Sheet 2

Match Line - See Sheet 4

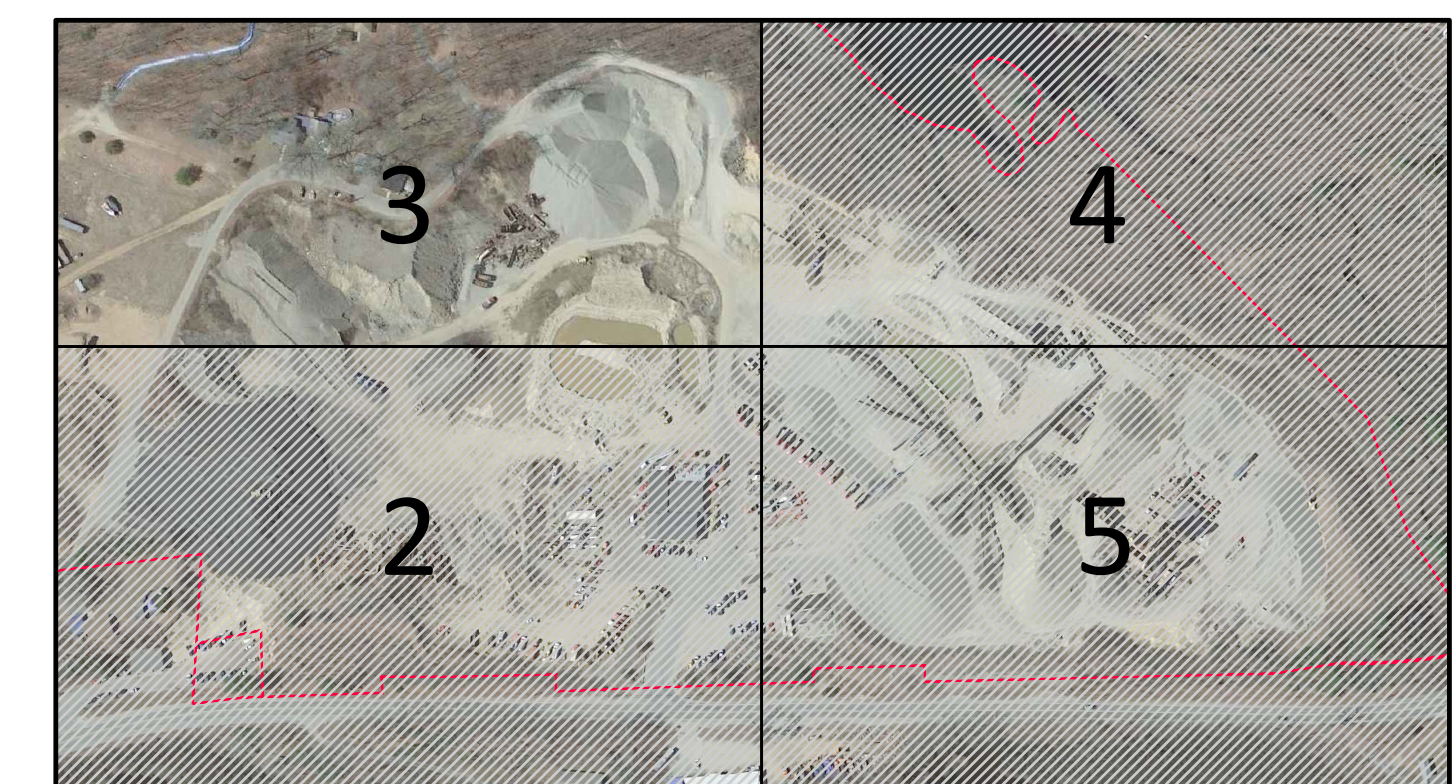


SCALE:	1" = 40'±
DATE:	January 2015
JOB I.D. NO.	14-2280
Revisions	

SHEET NO.	3
	6



"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."  
 70016  
 JOHN U. FAULISE JR. L.S. LICENSE NO. DATE



LOCUS MAP



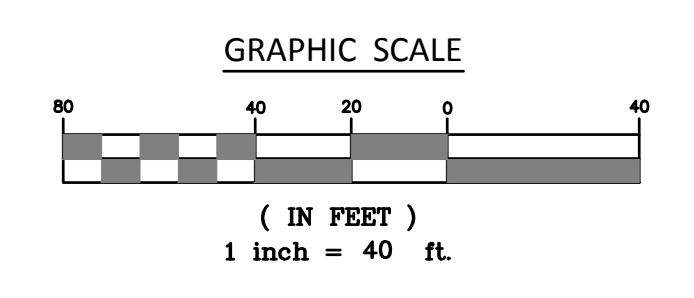
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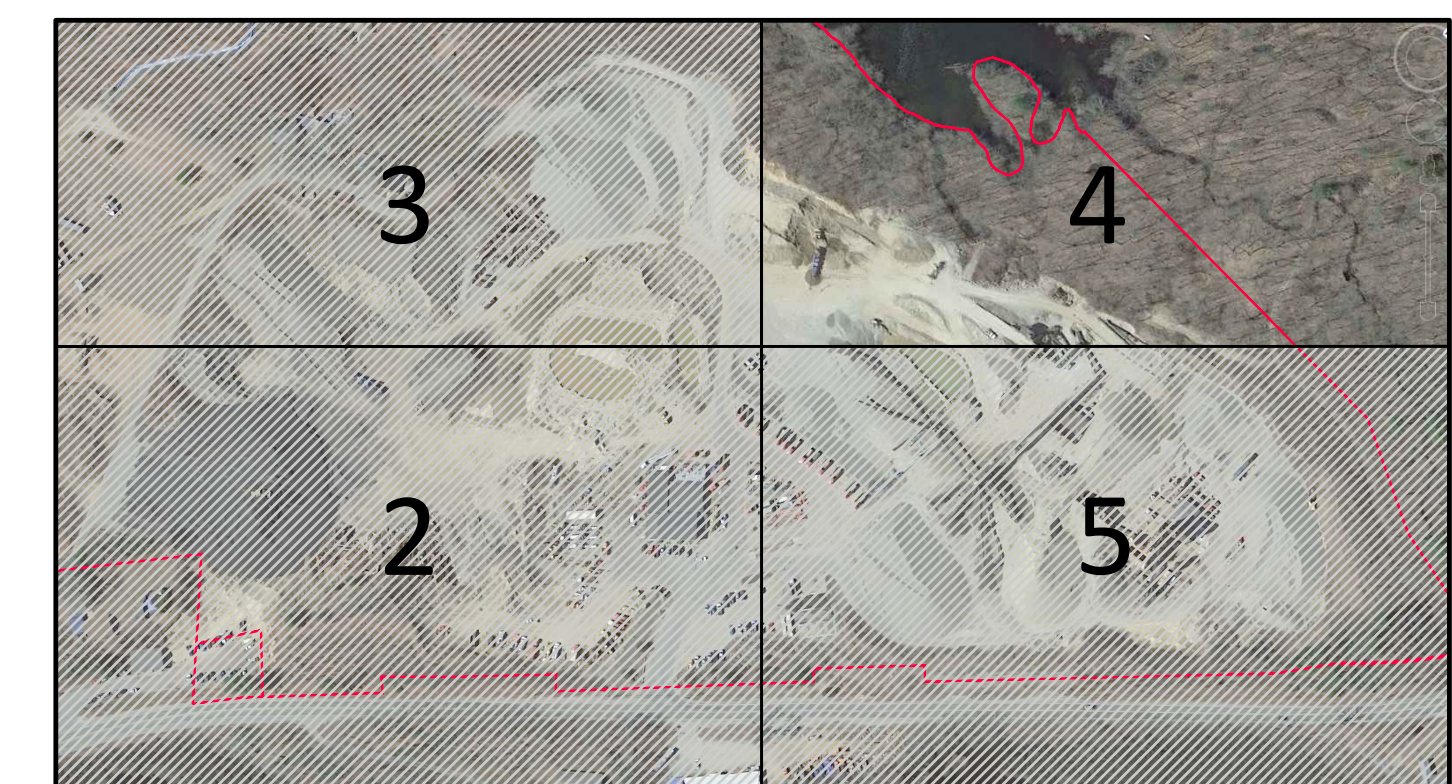


Match Line - See Sheet 3

Match Line - See Sheet 5

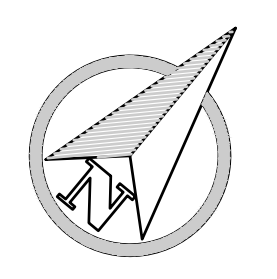


"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."  
 70016  
 JOHN U. FAULISE JR. L.S. LICENSE NO. DATE



LOCUS MAP

Compilation Plan  
 "40-Scale Operation Area - 3"  
 Prepared for  
**American Industries, Inc.**  
 630 Plainfield Road (CT Route #12), Griswold, Connecticut



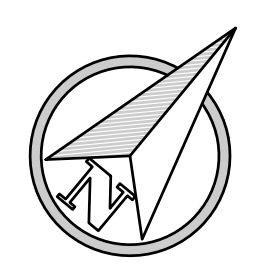
SCALE:	1" = 40'±
DATE:	January 2015
JOB I.D. NO.	14-2280
Revisions	
SHEET NO.	4
	6



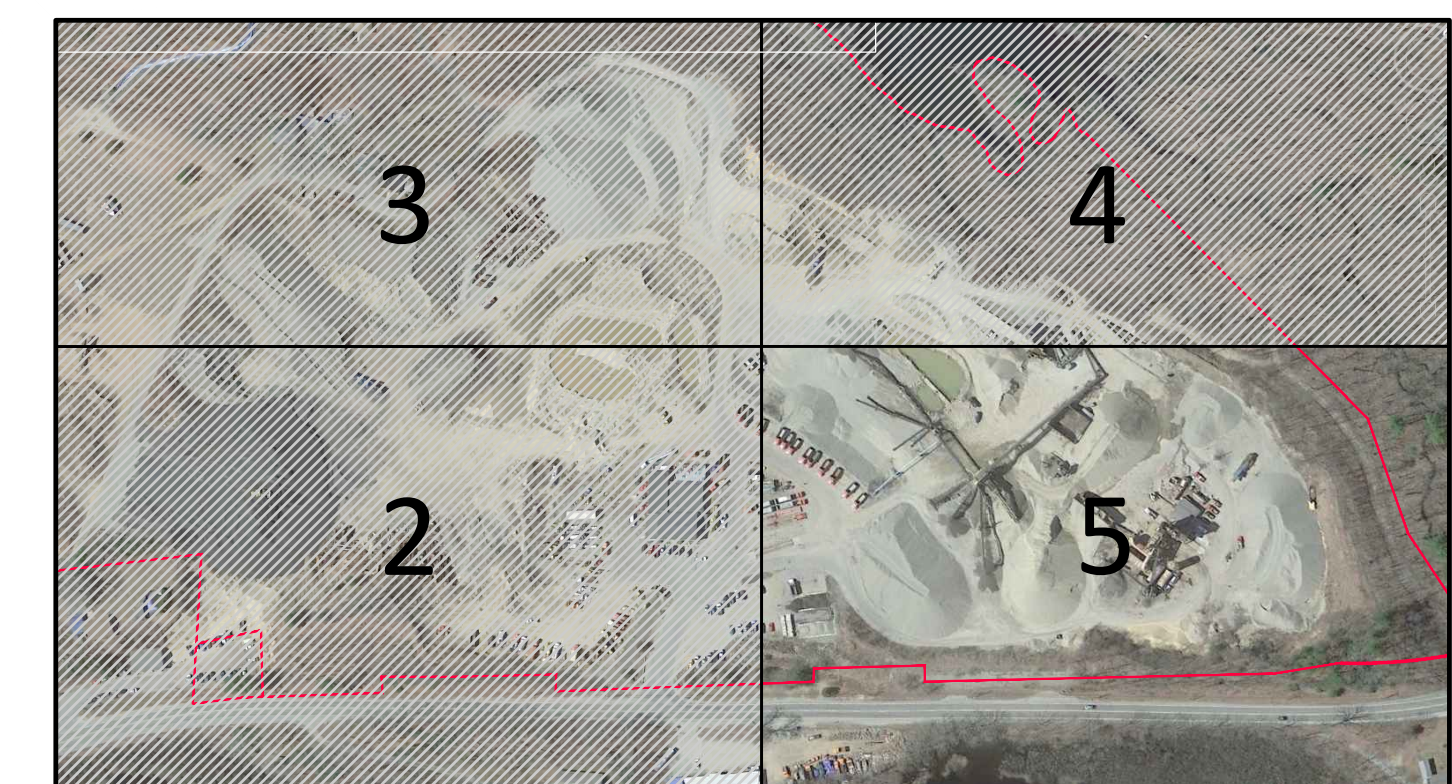
Match Line - See Sheet 4



Compilation Plan  
 "40-Scale Operation Area - 4"  
 Prepared for  
**American Industries, Inc.**  
 630 Plainfield Road (CT Route #12), Griswold, Connecticut



SCALE: 1" = 40'±  
 DATE: January 2015  
 JOB I.D. NO. 14-2280  
 Revisions

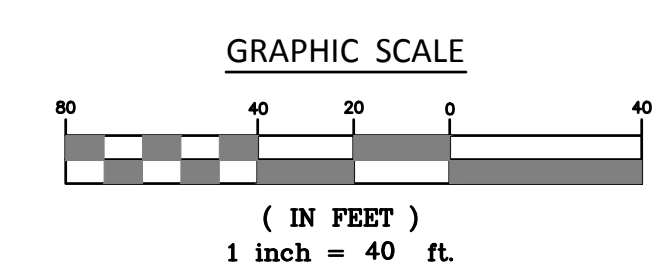


LOCUS MAP

SHEET NO.  
 5  
 6

**SURVEY NOTES**

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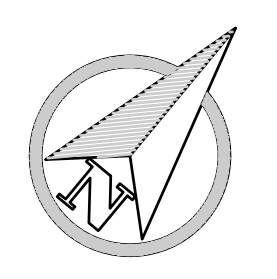


**DRAINAGE AREAS**

- DA#1 - DRAINAGE AREA INCLUDES THE ENTIRE OPERATION AREA. THIS AREA IS A DEPRESSION WITH NO STORMWATER DISCHARGES OFFSITE. STORMWATER DRAINS TO THE 3 LOWEST DEPRESSION AREAS WITHIN THE OPERATION AREA, AS INDICATED.
- DA#2 - DRAINAGE AREA INCLUDES PAVED ENTRANCE DRIVE WHICH DRAINS OFFSITE.
- DA#3 - DRAINAGE AREA INCLUDES GRAVEL ACCESS PATH DOWN TO WATER PUMP ON WEST SIDE OF EARTHEN BERM.
- DA#4 - DRAINAGE AREA INCLUDES AN ASSUMED APPROXIMATE AREA WHERE STORMWATER IS COLLECTED AND DISCHARGED THROUGH A CURTAIN DRAIN.



Compilation Plan  
 "Drainage Areas"  
 Prepared for  
**American Industries, Inc.**  
 630 Plainfield Road (CT Route #12), Griswold, Connecticut

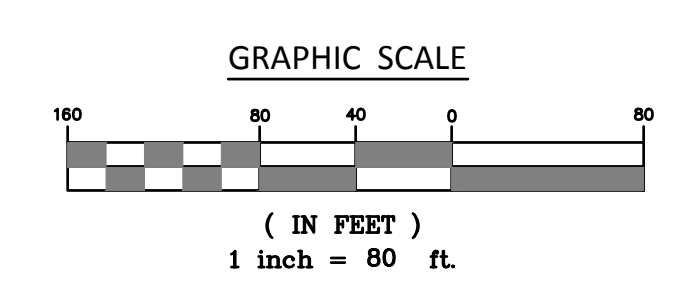


SCALE:	1" = 80'±
DATE:	January 2015
JOB I.D. NO.	14-2280
Revisions	

SHEET NO.	6
	6

**SURVEY NOTES**

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS A "COMPILATION PLAN" AND CONFORMS TO HORIZONTAL CLASS "D" ACCURACY STANDARDS. THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORD RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE. IT IS INTENDED TO BE USED FOR CONCEPTUAL PLANNING PURPOSES.
2. NORTH ORIENTATION AS DEPICTED HEREON IS BASED UPON APPROXIMATE CONNECTICUT GRID (NAD 1983).
3. AERIAL PHOTOGRAPHY IS DERIVED FROM GOOGLE EARTH WITH AN IMAGERY DATE OF 4/7/2013.
4. PARCEL LINES AS DEPICTED HEREON ARE BASED UPON TOWN OF GRISWOLD GEOGRAPHIC INFORMATION SYSTEM DATA, AND ARE APPROXIMATE ONLY. WHERE SHOWN, TOPOGRAPHIC CONTOURS ARE ALSO BASED UPON THE TOWN OF GRISWOLD GEOGRAPHIC INFORMATION SYSTEM, WITH A CONTOUR INTERVAL OF 2 FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. A PORTION OF THIS PROPERTY ADJACENT TO THE QUINEBAUG RIVER IS LOCATED WITHIN AN "AE" FLOOD HAZARD AREA HAVING A BASE FLOOD ELEVATION (BFE) OF 99' AS DEPICTED ON THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP, NEW LONDON COUNTY, CONNECTICUT, ALL JURISDICTIONS, PANEL 88 OF 554, MAP NUMBER 09011C00880, EFFECTIVE DATE JULY 18, 2011. HOWEVER, NO PORTION OF THE FACILITY'S OPERATION AREA IS LOCATED WITHIN THAT FLOOD HAZARD AREA.



"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."  
 70016  
 JOHN U. FAULISE JR. L.S. LICENSE NO. DATE

P:\CIVIL 3D PROJECTS\2014\14-2280 AMERICAN INDUSTRIES ROUTE 12 GRISWOLD\DWG\14-2280\_SWPPP\_FIGURES-NO VEHICLE WASHING.DWG

## **ATTACHMENT “C”**

# **NON-STORMWATER DISCHARGE CERTIFICATION**



## **Non-Stormwater Discharge Certification**

I certify that in my professional judgment, the stormwater discharge from the site consists only of stormwater, or of stormwater combined with wastewater authorized by an effective permit issued under Section 22a-430 or section 22a-430b of the Connecticut General Statutes, including the provisions of this general permit, or of stormwater combined with any of the following discharges provided they do not contribute to a violation of water quality standards:

- Landscape irrigation or lawn watering;
- Uncontaminated groundwater discharges such as pumped groundwater, foundation drains; discharges of uncontaminated air conditioner or refrigeration condensate; water sprayed for dust control or at a truck load wet-down station;
- Naturally occurring discharges such as rising groundwaters, uncontaminated groundwater infiltration (as defined at 40 CFR 35.2005 (20)), springs, and flows from riparian habitats and wetlands.

This certification is based on testing and/or evaluation of the stormwater discharge from the site. I further certify that all potential sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test have been described in detail in the Stormwater Pollution Prevention Plan prepared for the site. I further certify that no interior building floor drains exist unless such floor drain connection has been approved and permitted by the commissioner or otherwise authorized by a local authority for discharge as domestic sewage to sanitary sewer. I am aware that there may be significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements.

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Company: \_\_\_\_\_ Phone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## **ATTACHMENT “D”**

### **STORMWATER MONITORING REPORT FORMS**

- **SECTOR “A” – ASPHALT PLANTS**
  
- **SECTOR “B” – MINES, QUARRIES AND STONE CUTTING**





**General Permit for the Discharge of Stormwater Associated with  
Industrial Activity, effective 10/1/2011  
Stormwater Monitoring Report Form  
Sector A –Asphalt Plants**

**Facility Information**

Permittee Name: \_\_\_\_\_ Site Name: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_  
 Business Phone: \_\_\_\_\_ ext.: \_\_\_\_\_ Email: \_\_\_\_\_  
 Site Address: \_\_\_\_\_  
 Receiving Water (name/basin): \_\_\_\_\_  
 Permit #: GSI \_\_\_\_\_ Primary SIC: \_\_\_\_\_  
 Discharges into an Impaired Waterbody: Yes  No  (If yes, complete the table on page 3 of this form)

**Sample Information**

Sample Location: \_\_\_\_\_ Person Collecting Sample: \_\_\_\_\_  
 Date/Time Collected: \_\_\_\_\_ Date of Previous Storm Event: \_\_\_\_\_  
 This report is for samples required: Semi-annually  Annually  Other   
 Check here if the sample contains **snow or ice melt**:   
 Check here if a benchmark exceedance is solely due to background or off site sources  see note below

**Monitoring Results**

*Parameter	Required Frequency	Results (units)	Benchmark	Effluent Limit	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Oil & Grease	Semi-annual		5.0 mg/L	*	<input type="checkbox"/>		
Rainfall pH	Semi-annual		n/a	n/a			
Sample pH	Semi-annual		5-9 SU	*	<input type="checkbox"/>		
COD	Semi-annual		75 mg/L	n/a	<input type="checkbox"/>		
TSS	Semi-annual		90 mg/L	*	<input type="checkbox"/>		
TP	Semi-annual		0.40 mg/L	n/a	<input type="checkbox"/>		
TKN	Semi-annual		2.30 mg/L	n/a	<input type="checkbox"/>		
NO <sub>3</sub> -N	Semi-annual		1.10 mg/L	n/a	<input type="checkbox"/>		
Total Copper	Semi-annual		0.059 mg/L	n/a	<input type="checkbox"/>		
Total Zinc	Semi-annual		0.160 mg/L	n/a	<input type="checkbox"/>		
Total Lead	Semi-annual		0.076 mg/L	n/a	<input type="checkbox"/>		
24 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a	n/a			
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a	n/a			

\* See Additional Sector A Monitoring Section on page 3 of this form.

**Exemptions**

List here any parameter(s) that will not be sampled for the remainder of the permit term: see note below  
 \_\_\_\_\_

**NOTE:** Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

**STORMWATER ACUTE TOXICITY TEST DATA SHEET**  
 (required annually only during Year 1 and Year 2 of the permit)

Site Name:	
Date/Time Begin:	Date/Time End:
Sample Hardness:	Sample Conductivity:
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness:

Effluent Dilution	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (su)			
	Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1													
CONTROL 2													
CONTROL 3													
CONTROL 4													
6.25% A													
6.25% B													
6.25% C													
6.25% D													
12.5% A													
12.5% B													
12.5% C													
12.5% D													
25% A													
25% B													
25% C													
25% D													
50% A													
50% B													
50% C													
50% D													
100% A													
100% B													
100% C													
100% D													

**REFERENCE TOXICANT RESULTS**

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
<i>Daphnia pulex</i>				

## Additional Monitoring: Sector A

Parameter	Required Frequency	Results (units)	Benchmark	Effluent Limit	Check if effluent limit exceeded	Test Method	Laboratory Name
Semi-volatile Hydrocarbons	Semi-annual for the permit term		n/a	n/a			
For Asphalt Emulsion Facilities Only*							
Oil & Grease	Annual for the permit term		n/a	15 mg/L	<input type="checkbox"/>		
Sample pH	Annual for the permit term		n/a	6-9 SU	<input type="checkbox"/>		
TSS	Annual for the permit term		n/a	23 mg/L	<input type="checkbox"/>		

\*Annual samples may be taken at the same time as one of the semi-annual samples for the general sampling parameters. An effluent limit applies to any single sample (not average of 4).

## Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

## Statement of Certification

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."</p>	
Signature of Permittee	Date
Name of Permittee (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR  
 BUREAU OF WATER PROTECTION AND LAND REUSE  
 CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

**General Permit for the Discharge of Stormwater Associated with  
Industrial Activity, effective 10/1/2011**

**Data Tracking Sheet**

**Sector A - Asphalt Plants**

Permittee Name: _____	Permit #: GSI _____
Site Name: _____	
Site Address: _____	
Sample Location: _____	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4. **Only monitoring collected under the current permit (effective 10/1/11,) can be used to earn the monitoring exemption.**

$$\text{Average} = \frac{(\text{Sample 1} + \text{Sample 2} + \text{Sample 3} + \text{Sample 4})}{4}$$

Parameter	Sample Result				Average	Benchmark**	Qualify for exemption?
	1	2	3	4			
Sample Date							
O&G*						5.0 mg/L	
Sample pH*						5-9 S.U.	
COD						75 mg/L	
TSS*						90 mg/L	
TP						0.40 mg/L	
TKN						2.30 mg/L	
NO <sub>3</sub> -N						1.10 mg/L	
Total Copper						0.059 mg/L	
Total Zinc						0.160 mg/L	
Total Lead						0.076 mg/L	

\*\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016).

If the average of the four (4) most recent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) for a more detail explanation.

\* Due to the presence of effluent limits, asphalt emulsion facilities within Sector A are required to monitor annually for Oil & Grease, sample pH, and TSS for the entire term of the permit. The pH of uncontaminated rainfall is also recommended to provide background information.



**General Permit for the Discharge of Stormwater Associated with  
Industrial Activity, effective 10/1/2011  
Stormwater Monitoring Report Form  
Sector B – Mines, Quarries & Stone Cutting**

**Facility Information**

Permittee Name: \_\_\_\_\_ Site Name: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_  
 Business Phone: \_\_\_\_\_ ext.: \_\_\_\_\_ Email: \_\_\_\_\_  
 Site Address: \_\_\_\_\_  
 Receiving Water (name/basin): \_\_\_\_\_  
 Permit #: GSI \_\_\_\_\_ Primary SIC: \_\_\_\_\_  
 Discharges into an Impaired Waterbody: Yes  No  (If yes, complete the table on page 3 of this form)

**Sample Information**

Sample Location: \_\_\_\_\_ Person Collecting Sample: \_\_\_\_\_  
 Date/Time Collected: \_\_\_\_\_ Date of Previous Storm Event: \_\_\_\_\_  
 This report is for samples required: Semi-annually  Annually  Other   
 Check here if the sample contains **snow or ice melt**:   
 Check here if a benchmark exceedance is solely due to background or off site sources  see note below

**Monitoring Results**

Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Oil & Grease	Semi-annual		5.0 mg/L	<input type="checkbox"/>		
Rainfall pH	Semi-annual		n/a			
Sample pH	Semi-annual		5-9 SU	<input type="checkbox"/>		
COD	Semi-annual		75 mg/L	<input type="checkbox"/>		
TSS	Semi-annual		90 mg/L	<input type="checkbox"/>		
TP	Semi-annual		0.40 mg/L	<input type="checkbox"/>		
TKN	Semi-annual		2.30 mg/L	<input type="checkbox"/>		
NO <sub>3</sub> -N	Semi-annual		1.10 mg/L	<input type="checkbox"/>		
Total Copper	Semi-annual		0.059 mg/L	<input type="checkbox"/>		
Total Zinc	Semi-annual		0.160 mg/L	<input type="checkbox"/>		
Total Lead	Semi-annual		0.076 mg/L	<input type="checkbox"/>		
24 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a			
48 Hr. LC <sub>50</sub>	Annual-Year 1&2		n/a			

**Exemptions**

List here any parameter(s) that will not be sampled for the remainder of the permit term: see note below

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**NOTE:** Complete the “Data Tracking Table” (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

**STORMWATER ACUTE TOXICITY TEST DATA SHEET**  
 (required annually only during Year 1 and Year 2 of the permit)

Site Name:	
Date/Time Begin:	Date/Time End:
Sample Hardness:	Sample Conductivity:
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness:

Effluent Dilution	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (su)			
	Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1													
CONTROL 2													
CONTROL 3													
CONTROL 4													
6.25% A													
6.25% B													
6.25% C													
6.25% D													
12.5% A													
12.5% B													
12.5% C													
12.5% D													
25% A													
25% B													
25% C													
25% D													
50% A													
50% B													
50% C													
50% D													
100% A													
100% B													
100% C													
100% D													

**REFERENCE TOXICANT RESULTS**

Test Species	Date	Reference Toxicant	Source	LC <sub>50</sub>
<i>Daphnia pulex</i>				

**Additional Monitoring for Discharges to Impaired Waters (if applicable):**

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

**Statement of Certification**

<p>“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.”</p>	
<p>_____ Signature of Permittee</p>	<p>_____ Date</p>
<p>_____ Name of Permittee (print or type)</p>	<p>_____ Title (if applicable)</p>
<p>_____ Signature of Preparer (if different than above)</p>	<p>_____ Date</p>
<p>_____ Name of Preparer (print or type)</p>	<p>_____ Title (if applicable)</p>

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR  
 BUREAU OF WATER PROTECTION AND LAND REUSE  
 CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 79 ELM STREET  
 HARTFORD, CT 06106-5127

**General Permit for the Discharge of Stormwater Associated with  
Industrial Activity, effective 10/1/2011**

**Data Tracking Sheet –**

**Sector B- Mines, Quarries, & Stone Cutting**

Permittee Name: _____	Permit #: GSI _____
Site Name: _____	
Site Address: _____	
Sample Location: _____	

Enter the sample dates and the data reported for the four (4) most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4. **Only monitoring collected under the current permit (effective 10/1/11,) can be used to earn the monitoring exemption.**

$$\text{Average} = \frac{(\text{Sample 1} + \text{Sample 2} + \text{Sample 3} + \text{Sample 4})}{4}$$

Parameter	Sample Result				Average	Benchmark*	Qualify for exemption?
	1	2	3	4			
Sample Date							
O&G						5.0 mg/L	
Sample pH						5-9 S.U.	
COD						75 mg/L	
TSS						90 mg/L	
TP						0.40mg/L	
TKN						2.30 mg/L	
NO <sub>3</sub> -N						1.10 mg/L	
Cu						0.059 mg/L	
Zn						0.160 mg/L	
Pb						0.076 mg/L	

\*If the average of the four (4) most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most recent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample result reported by the testing laboratory was below detection limit, for the purpose of averaging, use a value that is ½ the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to Section 5 e(1)B(iii) of the General Permit for a more detailed explanation.



## **ATTACHMENT “E”**

### **POLLUTION PREVENTION TEAM**

**ATTACHMENT “E”: Pollution Prevention Team (PPT)**

The PPT is responsible for implementing the Plan. At least one member of the team must be an “on-site” employee or have a daily presence on-site. All members must be familiar with the day to day activity at your facility and should be familiar with all aspects of the Permit, this Plan and with the stormwater system at your facility. The Team Leader should not be the same as the member conducting the weekly and monthly inspections. Add any additional personnel and/or responsibilities.

This is the member roster and responsibilities list for the PPT. This list will be updated as necessary.

Team Leader: **Steve Walsh**  
Office Phone: **860-234-1234**

Title: **Facility Superintendent**

**Responsibilities:** Coordinate all aspects of the Plan; conduct Comprehensive Annual Stormwater Evaluation and Inspection; coordinate employee training program; keep all records.

Member: **Christine Walsh**  
Office Phone: **860-376-2537**

Title: **Assistant Facility Superintendent**

Conduct weekly and monthly inspections and implementation; and any other duties required by the Team leader.

Member:  
Office Phone:  
Responsibilities:

Title:

Member:  
Office Phone:  
Responsibilities:

Title:

Reproduce this page if there are additional members.

**ATTACHMENT "F"**

**OUTSIDE STORAGE**

### **ATTACHMENT “F”: Outside Storage**

Any raw materials, intermediate products, by-products, final products, waste materials, accessories or equipment stored outside are covered or moved inside, if possible, or maintained in such a manner as to avoid, if at all possible, the risk of any of these materials or their residue passing to a stormwater discharge. The following table shall be completed by a member of the PPT to address any outside storage of materials at the facility and to describe measures implemented to minimize the risk of stormwater pollution.

<b>Materials Stored Outside</b>	<b>Reason for Outside Storage</b>	<b>Measures Minimizing Stormwater Pollution</b>
Earth products		
Solid waste		
Oil tanks		
Asphalt plant machinery		
Excavation equipment		
Transport vehicles		

## **ATTACHMENT “G”**

# **SPILL CONTROL AND RESPONSE PLAN**

## **ATTACHMENT "G": Spill Control and Response Plan**

- All areas where a spill could potentially discharge to stormwater and in which liquid chemicals/oils are stored are currently or will be, within 3 months of the date of this Plan, provided with impermeable containment area which will hold at least the volume of the largest chemical/oil container, or 10% of the total volume of all containers within the containment area, whichever is larger, without overflow from the containment area. If the containment area is exposed to stormwater, the containment area shall have an additional 6" of freeboard to allow for stormwater. Water collected in the containment area will not be discharged without testing or observation for possible pollutants in accordance with the facility's SPCC Plan.
- Where possible, all chemicals in containers of 100 gallon capacity or less are stored under a roof which minimizes stormwater entry to the containment area.
- All dumpsters have covers and intact drain plugs.
- Spill cleanup equipment is kept in the conex box adjacent to the asphalt plant, in the maintenance garage at the operations facility and in the conex box adjacent to maintenance garage. Spill cleanup equipment includes absorbent pads, absorbent booms and speedi-dri. All facility personnel that work in these areas are trained in the use of and knowledgeable about the location of the spill cleanup equipment.
- The PPT leader or the spill coordinator will be advised immediately of all spills of hazardous or Connecticut regulated materials, regardless of quantity.
- The spill will be evaluated to determine the necessary response. If there is a health hazard or fire or explosion potential, 911 will be called. If the spill is large or threatens surface water systems (including stormwater structures) the **DEEP Oil and Chemical Spills Unit will be called at 860-424-3338**. Any questions on pollution potential will be directed to the DEEP Waste Management Bureau at 860-424-3372.
- The spill will be contained as close to the source as possible with a dike of absorbent materials from the spill cleanup equipment (such as socks, pads, pillows or "pigs"). Additional dikes will be constructed to protect swales or other stormwater conveyances or streams.
- All waste material will be disposed of properly, including used absorbent materials. The DEEP will be called for any questions about proper disposal of hazardous or regulated wastes.

**ATTACHMENT “G”: Spill Control and Response Plan (cont.)**

<b>Types of materials present on-site which could potentially spill and discharge to stormwater include:</b>
1. Diesel oil, liquid asphalt oil, circulatory oil
2. Gear oil, hydraulic oil, motor oil
3.
4.
5.
6.

<b>Areas where spills may potentially occur and discharge to stormwater include:</b>
1. Maintenance garage
2. Asphalt plant
3. Fueling (unloading/offloading) areas
4.
5.
6.

<b>Measures used to minimize the possibility of spills include:</b>
1. Secondary containment
2. Spill kits and absorbent materials
3. Compliance with SPCC Plan including employee training and inspections
4.
5.
6.

**ATTACHMENT “G”: Spill Control and Response Plan (cont.)**

- A history of spills and/or leaks for the last three(3) years is shown below. (Make additional copies of table if needed.)

Date (MM/DD/ YY)	(check one)		Location (as indicated on site map, if possible)	Description				Response Procedures	Measures To Prevent Reoccurrence
	Spill	Leak		Type of Material	Quantity	Source, if known	Reason		



## **ATTACHMENT “H”**

# **MAINTENANCE AND INSPECTION**

### **ATTACHMENT “H”: Maintenance and Inspection**

A member of the PPT conducts monthly inspections of all areas covered by the Plan and all stormwater collection areas and structures on the site for surface or floating debris and sediment. The site is inspected weekly for trash and surface debris. Structures and the drainage area discharge points (outfalls) is cleaned of sediment at least once a year during the month of April and at other times as necessary to prevent the discharge of pollutants. Areas and structures covered by the monthly inspection include:

<b>Areas Checked</b>	<b>Checked for...</b>
Dumpsters	Lids on and drain plugs intact
Loading/ Unloading Area	Spill prevention materials and practices
Parking areas	Spillage and trash
Fueling Areas (loading and offloading)	Spill prevention materials and practices, hoses & fittings maintained
Materials Storage/Handling Area	Spill prevention materials, housekeeping, leaks, spills
Earthen Berm Areas	Evidence of soil erosion and/or runoff, maintain berm around operation area
Operation Equipment Areas	Spill prevention materials, housekeeping, leaks, spills
Oil Storage Areas	Spill prevention materials, housekeeping, leaks, spills, secondary containment area
Driveway Entrance/Exit Area (#1- where vehicles enter or exit the site)	Accumulation of dust and sediment and potential runoff of same

<b>Drainage Structures</b>	<b>Checked for...</b>
Drainage discharge point (outfall)	Erosion, sediment, trash, grass stabilized or in need of restabilization, riprap (if applicable) properly maintained
Sediment/wash ponds	Excessive sediment, trash, possible oil trapped
Vegetated swale along entrance/exit driveway	Excessive sediment, trash, general condition, in need of maintenance or repair
Swales and depression areas within operations area	Excessive sediment, trash, general condition, in need of replacement or repair
Gravel access path to pump within ponded area of inland wetlands (#2)	Erosion, sediment entering wetlands, trash, stabilized or in need of restabilization, riprap (if applicable) properly maintained
Pipe outlet into inland wetlands (#3)	Erosion, sediment, trash, outlet protection stabilized or in need of restabilization, riprap (if applicable) properly maintained

## **Semi-Annual Inspection Form** (2 pages)

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Name of Inspectors with Titles: \_\_\_\_\_

Weather Conditions during inspection: \_\_\_\_\_

Areas Checked	Findings and Comments
Dumpsters	
Loading/ Unloading Area	
Parking areas	
Fueling Areas (loading and offloading)	
Materials Storage/Handling Area	
Earthen Berm Areas	
Operation Equipment Areas	
Oil Storage Areas	
Driveway Entrance/Exit Area (#1- where vehicles enter or exit the site)	
Gravel access path to pump within ponded area of inland wetlands (#2)	

Drainage Structures	Comments
Drainage discharge point (outfall)	
Sediment/wash ponds	
Vegetated swale along entrance/exit driveway	
Swales and depression areas within operations area	
Pipe outlet into inland wetlands (#3)	

**Additional Control Measures or Actions Needed**

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**Schedule to Complete Additional Control Measures or Actions**

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**Any Required Revisions to the Pollution Prevention Plan**

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**Monthly Routine Inspection Form** (3 pages)

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Name of Inspectors with Titles: \_\_\_\_\_

Weather Conditions during inspection: \_\_\_\_\_

Areas Checked	Findings and Comments
Dumpsters	
Loading/ Unloading Area	
Parking areas	
Fueling Areas (loading and offloading)	
Materials Storage/Handling Area	
Earthen Berm Areas	
Operation Equipment Areas	
Oil Storage Areas	
Driveway Entrance/Exit Area (#1- where vehicles enter or exit the site)	
Gravel access path to pump within ponded area of inland wetlands (#2)	

Drainage Structures	Comments
Drainage discharge point (outfall)	
Sediment/wash ponds	
Vegetated swale along entrance/exit driveway	
Swales and depression areas within operations area	
Pipe outlet into inland wetlands (#3)	

**Description of Discharges Observed**

**Description of Visual Quality of the Discharges Observed**

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**Status of Stormwater Control Measures**

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**Any Non-Compliance Incidents Observed**

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**Additional Control Measures or Actions Needed to Comply with Permit Requirements**

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**Schedule to Complete Additional Control Measures or Actions**

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**Any Required Revisions to the Pollution Prevention Plan**

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## **ATTACHMENT “I”**

# **MONTHLY INSPECTION CHECKLIST FOR THE YEAR**



**ATTACHMENT ‘T’: Monthly Checklist for the Year**

**Monthly Inspection Checklist for the Year** (indicate what year)

The table on this page is filled out and initialed each month by a member of the PPT. If any problems are observed, write “No” in the “OK?” column and note the problem and measures taken in the appropriate space. Make a new copy of this table each year.

<b>Date</b> (list day)	<b>Initials</b>	<b>OK?</b>	<b>Problems noted and measures taken</b>
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			

November			
December			
Drainage discharge point (outfall by driveway entrance) were cleaned on April                      by (company)			

**ATTACHMENT “J”**

**EMPLOYEE TRAINING**

## **ATTACHMENT "J": Employee Training**

The employee training program below must be implemented at this facility and training sessions held at least once a year. Add to it or modify it as necessary for the facility. This program may be included in any other regular employee training sessions which the facility has.

The topics below are covered at employee training sessions. All employees whose activities may affect stormwater quality are trained annually. New hires will complete the training within one month (30 days) of starting.

PPT members meet together at least semi-annually for the purpose of discussing the Plan, the Maintenance and Inspection Program and preventive maintenance procedures.

### **Employee Training**

- The PPP:

What it is - The Plan is an outline of potential sources of stormwater pollution and methods of reducing or eliminating that pollution.

What it contains - The Plan emphasizes good housekeeping measures and location of potential pollution sources.

PPT - The team will be introduced, explaining that we are continually looking to avoid pollution to the storm system and appreciate input and assistance.

- Discussion of the location of storm drainage structures/discharge points and note the receiving water of the storm drainage system to emphasize the importance of keeping pollutants out of the storm drainage system.
- Review of spill control and response procedures.
- Review of good housekeeping practices.
- A sign-off sheet (below - duplicate as necessary) for each annual training signed by all attending employees and initialed by the supervising member of the PPT is kept with this Plan.

<b>Training Date</b> (MM/DD/YY)	<b>Employee Name</b>	<b>Employee Signature</b>	<b>PPT Initial</b>

## **ATTACHMENT “K”**

# **COMPREHENSIVE ANNUAL STORMWATER EVALUATION AND INSPECTION REPORT**

**ATTACHMENT “K”: Comprehensive Annual Stormwater  
Evaluation and Inspection Report**

Once a year, a member of the PPT conducts a Comprehensive Annual Stormwater Evaluation and Inspection of all aspects and provisions of the SMP. The following report is prepared and a copy is maintained on site in the files of the facility. The Comprehensive Annual Stormwater Evaluation and Inspection Report is reviewed and signed by the same party who signed the registration or by their replacement of equivalent position.

Inspector:

Date of Inspection:

Reviewed by:

Update the PPT if necessary. PPT Updated?  Y  N

Review the SMP. Areas of SMP need to be updated?  Y  N

Review the checklists on the Plan. Update the checklists, spill plan and maintenance practices as necessary. Changes to the checklists, spill plan or maintenance practices are noted here and in the appropriate section of the Plan. (Copy this sheet as necessary.)

Additional comments:

## **ATTACHMENT “L”**

## **RECORD KEEPING**



**ATTACHMENT “L”: Record Keeping**

A record of all weekly and monthly inspections, the facility spill control and response plan, sweeping schedule, stormwater structure cleaning schedule, employee training schedule, comprehensive annual stormwater evaluation and inspection reports and a list of designated PPT members shall be kept on file at the facility. A record of any other permits from the DEEP Bureau of Water Management, such as the General Permit for Stormwater and Dewatering Wastewaters from Construction Activities shall also be kept on file with this Plan. This material shall be made available to the Commissioner (or DEEP personnel) for inspection immediately upon request.

Other DEEP Permits from the Bureau of Water Management are listed below:

Permit Number:

Brief description of Permitted Activity:

Permit Number:

Brief description of Permitted Activity:

Permit Number:

Brief description of Permitted Activity:

## **ATTACHMENT “M”**

### **VISUAL MONITORING FORM**

## Visual Monitoring Form

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Name and Titles of individual(s) collecting the samples and performing assessment: \_\_\_\_\_  
\_\_\_\_\_

Weather Conditions during inspection: \_\_\_\_\_

Items Observed	Findings and Comments
Sample collection date and time with visual assessment	
Nature of the discharge	
Sample location	
Results of observations	
Probable sources of any observed stormwater contamination	
Actions to eliminate sources of contamination	
Document reasons for inability to collect representative sample	

Items Observed	Findings and Comments
Sample collection date and time with visual assessment	
Nature of the discharge	
Sample location	
Results of observations	
Probable sources of any observed stormwater contamination	
Actions to eliminate sources of contamination	
Document reasons for inability to collect representative sample	

## **ATTACHMENT “N”**

### **ADDITIONAL REQUIREMENTS OF CERTIFIED LAB**

## ADDITIONAL LAB DATA

A copy of the Chain of Custody is attached.

Contact lab when bottles for sampling are needed and they will be delivered.

Account has to be created with lab.

Contact lab as soon as you think you'll be collecting.

The samples need to be brought to the lab ASAP.

The aquatic toxicity has a 36 hour hold. Lab needs to coordinate on how to get it to the sub lab so lab needs to get the samples by 8:00 AM on Fridays.

Call Nicole at lab if you have any questions.

Nicole M. (Rouillard) Audet

61 Louis Viens Drive

Dayville, CT 06239

1-800-334-0103

[nicolea@premierlaboratory.com](mailto:nicolea@premierlaboratory.com)



**Copy of Report To**

CUSTOMER:

ADDRESS:

ATTENTION:

E-MAIL:

PHONE: Fax:

BILL TO:

ADDRESS:

ATTENTION:

TELEPHONE:

PURCHASE ORDER # :

**Billing Information**

**Project Information**

Project: **American Industries, Inc.**

Project Location: 630 Plainfield Road, Griswold, CT

Project Manager:

IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:

EMAIL:

TELEPHONE:

Fax:

Sample Identification	Date Collected	Time Collected	Sample Type		Sample Matrix	Analysis	Preservatives									
			COMPOSITE	GRAB			Non-pres	HCL	HNO3	NH4Cl	Sulfuric	Na2S2O3				

TURNAROUND (INDICATE IN CALENDAR DAYS):

CUSTODY TRANSFER	DATE	TIME
SAMPLER:		
RECEIVED:		
RELINQUISHED:		
RECEIVED:		
RELINQUISHED:		
RECEIVED:		

\_\_\_\_\_ HARD COPY E-MAIL  
 \_\_\_\_\_ EXPEDITED SERVICE MAY BE SUBJECT TO SURCHARGE

COMMENTS: \_\_\_\_\_

CONDITIONS UPON RECEIPT: (CHECK ONE)

COOLED  AMBIENT  °C Upon Receipt at LAB