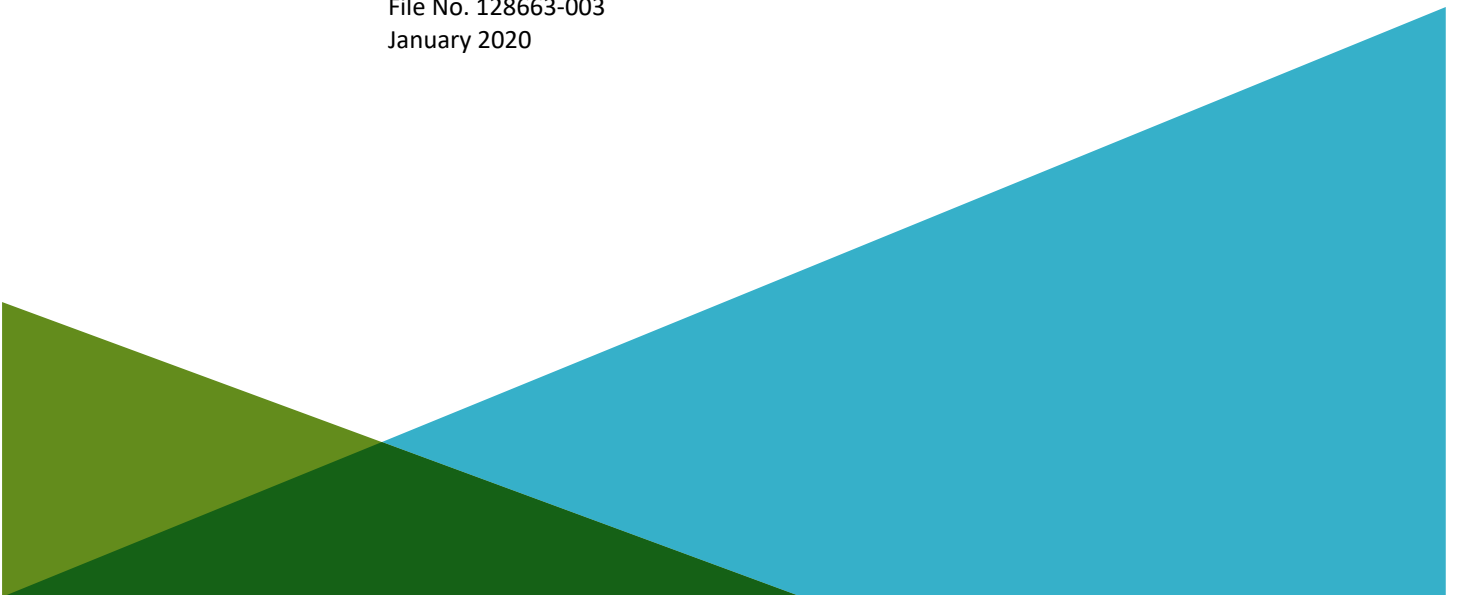


STORMWATER POLLUTION PREVENTION PLAN (SWPPP)  
180 TOLLAND TURNPIKE (ROUTE 74)  
WILLINGTON, CONNECTICUT

by  
Haley & Aldrich, Inc.  
Rocky Hill, Connecticut

for  
Becker Construction Co.  
Willington, Connecticut

File No. 128663-003  
January 2020





HALEY & ALDRICH, INC.  
100 Corporate Place  
Suite 105  
Rocky Hill, CT 06067  
860.282.9400

23 January 2020  
File No. 128663-003

Becker Construction Co.  
180 Tolland Turnpike (Route 74)  
Willington, Connecticut 06279

Attention: Ms. Diane Becker  
Mr. John Patton

Subject: Stormwater Pollution Prevention Plan (SWPPP)  
180 Tolland Turnpike (Route 74)  
Willington, Connecticut

Ladies and Gentlemen:

We are pleased to present this Stormwater Pollution Prevention Plan (SWPPP) that has been prepared in accordance with the State of Connecticut Department of Energy and Environmental Protection (CTDEEP) "General Permit for the Discharge or Stormwater Associated with Industrial Activity" dated 1 October 2018.

Sincerely yours,  
HALEY & ALDRICH, INC.

Jennifer N. Buchanon, P.E.  
Senior Engineer

Chris G. Harriman, LEP  
Senior Associate

Enclosures

\\haleyaldrich.com\share\har\_common\128663\_Beckers\003\_SMP\CTDEEP ISW GP\SWPPP\2019-01\_180 Tolland Tpk-SWPPP-D.docx

## Plan Signature & Certification

### Signature & Authorization

This Stormwater Pollution Prevention Plan is hereby signed and authorized by the following duly authorized representative, pursuant to Section 22a-430-3(b)(2) of the Regulations of Connecticut State Agencies, and in accordance with the General Permit for the Discharge of Stormwater Associated with Industrial Activity (DEEP-WPED-GP-014), Section 5(c)(4)(A).

*"I hereby authorize all actions required by this Plan."*

\_\_\_\_\_

Duly Authorized Representative

\_\_\_\_\_

Date

\_\_\_\_\_

Name

\_\_\_\_\_

Title

### Certification

*"I certify that I have thoroughly and completely reviewed the Stormwater Pollution Prevention Plan prepared for this site. I further certify, based on such review and site visit by myself or my agent, and on my professional judgment, that the Stormwater Pollution Prevention Plan meets the criteria set forth in the General Permit for the Discharge of Stormwater Associated with Industrial Activity on October 1, 2018. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."*

\_\_\_\_\_

Signature of Professional Engineer

\_\_\_\_\_

License Number

\_\_\_\_\_

Name

\_\_\_\_\_

Date

## 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, water from crawl space pumps and footings 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."*

\_\_\_\_\_  
Signature of Professional Engineer

\_\_\_\_\_  
License Number

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

## **Plan Amendment & Modification**

This Plan is a working document that will be reviewed and updated on a regular basis, typically as a result of site inspections and/or a review of stormwater sample results. The form in Appendix A must be completed when an Amendment or Modification is made to the Plan.

## **Executive Summary**

This Plan was prepared in accordance with Section 5(c) of the State of Connecticut Department of Energy and Environmental Protection (CTDEEP) “General Permit for the Discharge of Stormwater Associated with Industrial Activity” dated 1 October 2018 and the March 2011 CTDEEP Guidance Document for preparing a Stormwater Pollution Prevention Plan.

This Plan describes the practices necessary to reduce the potential for discharge of pollutants in stormwater runoff from Becker Quarry. Actions required by this Plan shall be performed as described. When so implemented, compliance with the terms and conditions of the general permit is maintained.

The information and procedures presented in this Plan are based the Best Management Practices and types and locations of facility operations in place at the time this document was prepared. Amendments must be made to this Plan during the course of the project to reflect any changes in project approach and pollution controls.

In accordance with permit requirements, employees and/or visitors to the site who could conceivably impact stormwater discharge are required to read this Plan, and certify that they have read and understand the terms and conditions of the Plan and General Permit.

This Plan is considered to be a living document that should be periodically amended to include things such as construction of new BMPs, relevant permit related correspondence, and other changed conditions at the site.

# Table of Contents

	Page
<b>Plan Signature &amp; Certification</b>	<b>i</b>
<b>Plan Amendment &amp; Modification</b>	<b>iii</b>
<b>Executive Summary</b>	<b>iv</b>
<b>List of Figures</b>	<b>vi</b>
<b>1. Site Description and Contact Information</b>	<b>1</b>
1.1 FACILITY DESCRIPTION	1
1.2 GENERAL LOCATION	1
1.3 WATERSHED & SURFACE WATER QUALITY CLASSIFICATIONS	1
1.3.1 Local Drainage Basins	1
1.3.2 Nearby Surface Water Bodies	1
1.4 POLLUTION PREVENTION TEAM	2
<b>2. Potential Pollutant Sources</b>	<b>3</b>
2.1 OFFICE BUILDING & MAINTENANCE GARAGE AREA	3
2.2 ACTIVE & INACTIVE QUARRY AREAS	3
<b>3. Stormwater Control Measures (Best Management Practices)</b>	<b>4</b>
3.1 GOOD HOUSEKEEPING	4
3.2 SEDIMENT & EROSION CONTROL	4
3.2.1 Diversion of Uncontaminated Stormwater Run-On	4
3.3 MANAGEMENT OF RUNOFF	5
3.4 PREVENTATIVE MAINTENANCE	5
3.5 SPILL PREVENTION AND RESPONSE PROCEDURES	5
3.5.1 Emergency Contact Information for Spill Reporting	6
3.6 SOLID DE-ICING MATERIAL STORAGE	6
<b>4. Inspections</b>	<b>6</b>
4.1 SEMI-ANNUAL INSPECTIONS	6
4.1.1 Semi-annual Inspection Procedures & Reporting	6
4.2 ROUTINE INSPECTIONS	7
4.2.1 Routine Inspection Procedures & Reporting	7
<b>Figures</b>	
<b>Appendix A – SWPPP Amendment and/or Modification Form</b>	
<b>Appendix B – Stormwater Monitoring Report Form</b>	

## List of Figures

Figure No.	Title
1	Locus
2	Site Aerial with BMPs



# 1. Site Description and Contact Information

## 1.1 FACILITY DESCRIPTION

The primary operation at the facility is rock blasting, quarrying, and processing. Activities that support the primary operation are earth moving, vegetation management, equipment fueling and maintenance, truck scaling, and operation management (office).

Site operations are addressed in this SWPPP. The operations that take place at the property that are subject to the conditions of the General Permit include the following:

- Rock Blasting, Quarrying, and Processing
- Fueling for on-site heavy equipment and vehicles
- Vehicle & heavy equipment maintenance

The facility occupies an area of about 100 acres. Active operations are indicated on Figure 2, and occupy approximately 15 acres of the facility. An approximately 3 acre area in the southwestern area of the facility has been recently cleared to prepare for new quarrying operations.

## 1.2 GENERAL LOCATION

The facility is located on the south side of Route 74 (Tolland Turnpike) in Willington, Connecticut. It is bounded by Tolland Turnpike to the north, wooded areas and Willington Hill Road to the east, Luchon Road to the south, and wooded areas and Kollar Road to the west. Refer to Figure 1, Locus for general location and surrounding features.

There are no CTDEEP-delineated Natural Diversity Database or Aquifer Protection areas within 1 mile and 5 miles of the facility, respectively.

## 1.3 WATERSHED & SURFACE WATER QUALITY CLASSIFICATIONS

Figure 2 indicates the name and delineation line between the two watersheds present within the facility's property limits; Willimantic River (west) and Fenton River (east) watersheds. Most of the site is within the Willimantic River watershed. Surface water bodies within the Willimantic River watershed are typically classified by CTDEEP as A, however the Willimantic River is classified as B. Surface water bodies within the Fenton River watershed, including the river itself, are classified as AA.

### 1.3.1 Local Drainage Basins

The local drainage basin is identified as 3100-11 and drains southwest to Conant Brook.

### 1.3.2 Nearby Surface Water Bodies

Nearby surface water bodies consist of Conant Brook and Halls Pond to the west and southwest, Eldredge Brook to the east, and scattered wetland areas on and surrounding the site. Eldredge Brook lies higher in elevation than the facility and therefore does not receive stormwater runoff from the site.

#### 1.4 POLLUTION PREVENTION TEAM

<b>Entity</b>	<b>Team Member Name</b>	<b>Role</b>	<b>Responsibilities</b>
Becker Construction Company	Diane Becker	President	Financial management, Operations
Becker Construction Company	John Patton	Vice President	Operations, Regulatory Compliance
Becker Construction Company	Dave Maker	Site Operations Manager	Daily Operations Management, Facilities Coordinator
Haley & Aldrich, Inc.	Chris Harriman Jen Buchanon	Environmental Consultant	Permit Support, Environmental Sampling, Inspections
Gardner & Peterson Associates	Eric Peterson	Survey	Licensed Land Surveying

## 2. Potential Pollutant Sources

A overview map of the facility (Figure 2) indicates locations of primary stormwater collection points, stormwater conveyances, and potential sources of stormwater pollutants that are addressed in this Plan.

The site has been divided into two areas: (1) the area surrounding the Office Building & Maintenance Garage, Fueling Station, and Truck Scale, (2) and active and inactive areas of the quarry. Each area has unique stormwater features that are identified on Figure 2 and depend on the operations currently undertaken in the respective area. Stormwater from some of the areas is directed towards other areas as identified in the discussion below and on the figures.

### 2.1 OFFICE BUILDING & MAINTENANCE GARAGE AREA

There are three potential stormwater pollutant sources within this area: (1) the trench drain along the maintenance garage bay doors, (2) the diesel fueling station and UST filling location, and (3) the truck scale. The ground surface in this area is relatively flat and stormwater runoff is not channeled to an outlet point. Typically, stormwater will infiltrate the ground surface or evaporate.

A summary of these three sources is provided below:

Activity/ Exposed Material	Onsite Location	Associated Pollutants	Method of Storage/Extent of Exposure	Description of Storage	Control Measured for Minimizing Exposure
Trench Drain	Garage	Stormwater that collects dust/dirt on garage floor	Floors are swept regularly. Exposure is during working hours.	Swept dust/dirt is placed in the garbage.	The drain is kept clear at the surface and dust/dirt are swept away from the drain.
Hydraulic Oil Storage	Garage	Dripped Hydraulic Oil that enters the Trench Drain	Hydraulic Oil is stored in sealed containers. Exposure is when oil is transferred to equipment during maintenance.	55 gallon drums.	The drums are stored over a secondary containment mechanism to catch any drips or leak.
Fueling Station	Southwest of Garage	Diesel drippings during fueling	Drips are not typically collected. Exposure is a few drips per day	8,000 gallon UST	
Truck Scale	West of Garage	Condensate dripping from trucks while idling	None. Exposure is a few minutes and depends on time of year for quantity.	NA	

### 2.2 ACTIVE & INACTIVE QUARRY AREAS

Within the active quarry areas, vehicles are moving along haul roads and into mining areas. Equipment in active areas is being used to move blast and processed rock around. As indicated on Figure 2, Best Management Practices (BMP) features at the site have been implemented to direct stormwater runoff

towards the northwest corner of the site. Stormwater collection ponds are present around the site. Where possible, stormwater is allowed to infiltrate the ground surface or evaporate.

The primary pollutant source for this area is leaking and/or dripping fuel oil, hydraulic oil, condensate or other liquids associated with operation of vehicles and equipment. Regular observation of the stormwater collection ponds will provide a method for monitoring the presence of these sources in the stormwater runoff. If a sheen, hue, or odor is observed in one of the collection ponds, measures can be taken to keep the water from continuing downstream to the outfall and the impacted water can be removed or treated.

The rock mined at Becker Quarry contains pyrite/phyrrrotite minerals, which are iron sulfides. There is no indication that the rock or the minerals in the rock at Becker Quarry are adversely affecting the groundwater in the area around the quarry (note that potable water is sourced from deep bedrock wells across the area). As such, the stormwater would also not be adversely affected.

### **3. Stormwater Control Measures (Best Management Practices)**

Over the past 5 years, BMPs have been implemented at Becker Quarry to manage stormwater runoff. As shown on Figure 2, a combination of culverts, open channel flow areas, collection ponds, and rip rap swales route stormwater runoff to the northwestern corner of the site.

#### **3.1 GOOD HOUSEKEEPING**

Generally good housekeeping across the site is accomplished by driving at least once daily. BMPs are inspected and repaired as required. Ruts or new locations of channelized stormwater runoff due to heavy rain are repaired as required.

Around the maintenance garage and office building, the work area is swept each day. Secondary containment and drip pans are used when working with potential pollutant sources such as hydraulic oil and diesel fuel.

#### **3.2 SEDIMENT & EROSION CONTROL**

Berms have been established around the site to prevent stormwater run off into undeveloped wooded areas or surrounding wet areas. The berms keep the stormwater in the BMP areas and minimize erosion beyond the active/developed areas of the site.

Sediment control is accomplished using rip-rap swales. The rip-rap slows the rate of stormwater runoff and allows small particles of dust and dirt to settle into the stones before the stormwater reaches the outlet point. The rip-rap is replaced regularly when sediment accumulation is observed.

##### **3.2.1 Diversion of Uncontaminated Stormwater Run-On**

Where possible, along the ridgeline of the quarry the grade has been sloped away from the active area such that run-on is minimized. One exception is a small promontory in the western portion of the site where the rock has not been mined. Stormwater runoff from this rock outcrop is directed into a collection pond at the base of the rock face (shown on Figure 2). Collected stormwater is allowed to infiltrate or evaporate from the pond.

### 3.3 MANAGEMENT OF RUNOFF

As shown on Figure 2, stormwater runoff is managed through a series of culverts, open channel flow areas, collection ponds, and rip rap swales that route stormwater runoff to the northwestern corner of the site.

Where possible, stormwater is allowed to infiltrate into the ground surface. Since surface operation at the quarry do not present a contamination risk to the groundwater, stormwater infiltrating through the surface would also not present a risk of groundwater contamination.

### 3.4 PREVENTATIVE MAINTENANCE

Proper housekeeping will be practiced at the facility to prevent inadvertent discharges to stormwater. No washing is conducted on-site. Any fluids or materials incorporated in vehicle maintenance should be collected with sorbent materials.

The facility will maintain the integrity and effectiveness of all systems to contain pollutants and minimize exposure to rainfall and runoff. In addition to the placement of sediment and erosion controls as described below, the following preventive maintenance should be completed as necessary based on the results of site inspections as part of the preventive maintenance program: Inspect the perimeter banks of the site and earthen berm for erosion along entire edge of site.

- Maintain all stockpiled quarry materials away from stormwater BMPs
- Inspect the on-site equipment and vehicles for signs of leakage or cracking; conduct necessary maintenance, keeping stored, maintenance-related materials indoors and not exposed to stormwater.
- Any spills shall be immediately cleaned with absorbent material. Speedi-dri or other similar sorbent material will be kept on site in the storage shed for spill cleanup. Used or "spent" Speedi-dri will be stored in 55-gallon drums until it can be properly disposed of off site. Spills will be cleaned up in accordance with the procedures outlined in this plan.
- Funnels shall be used to minimize leaks and spills when transferring fluids.
- Oily wastes shall be kept separate from other waste materials, indoors and not exposed to stormwater.
- Dirty rags shall be stored in a covered container
- Stormwater sampling shall be performed in accordance with Section 4.0 of the SWPPP and requirements of the GP.

### 3.5 SPILL PREVENTION AND RESPONSE PROCEDURES

In the event of an accidental discharge of chemical material, regardless of spill quantity, the Site Operations Manager will be notified immediately to coordinate response procedures. If the spill represents an immediate health or explosion hazard, the Willington Hill Fire Department will be contacted immediately by dialing 911. The spill will also be reported to the CTDEEP Oil and Chemical Spills Unit at (860) 424-3338.

Containment of the spill will begin immediately using available manpower and materials. Sorbent material will be clearly marked and available at the maintenance garage. The spill will be contained

as close to the source as possible with absorbent materials. These materials will be removed immediately and disposed of in a proper manner. Expended sorbent and its associated fluid will be removed and placed into a sorbent disposal drum. The waste drum will be located in an appropriate disposal area and removed to a qualified facility for proper disposal. In the event that containment of the spill is beyond the capability of the available manpower, the nearest available cleanup contractor will be notified.

### 3.5.1 Emergency Contact Information for Spill Reporting

The Site Operations Manager and/or the Environmental Consultant will be responsible for contacting the CTDEEP as well as local emergency management officials as required. A listing of the facility personnel and a state, local, and federal official who must be contacted in case of an emergency is below:

Agency	Phone
Emergency Medical/Fire/Police	911
Willington Fire Marshall	(860) 933-4768
CT State Police Troop C	(860) 896-3200
Willington Health District	(860) 487-3116
CTDEEP Emergency Response & Spill Prevention	(860) 424-4448

### 3.6 SOLID DE-ICING MATERIAL STORAGE

Becker Quarry does not currently store or use deicing materials.

## 4. Inspections

### 4.1 SEMI-ANNUAL INSPECTIONS

**Person responsible for conducting Semi-Annual Facility Inspections:** Chris Harriman (or other designated representative of Haley & Aldrich)

**Schedule for Conducting Semi-Annual Facility Inspection:** Inspections will be performed during or immediately following a rain event occurring in February-March and in October-November of each year.

#### List of Documents to be Reviewed Prior to Each Semi-Annual Inspection:

- The current site map
- The current location of all BMPs
- Reports of all routine inspections since last semi-annual inspection
- Notes / documentation of maintenance or repair work for BMPs
- Analytical stormwater monitoring reports since last semi-annual inspection
- Spill reports (if applicable)

#### 4.1.1 Semi-annual Inspection Procedures & Reporting

The Environmental Consultant will perform the inspections according the schedule set forth in this SWPPP. The Site Operations Manager will attend the inspections if possible. The Stormwater Monitoring Report (SMR) form (Appendix B) will be completed by the Environmental Consultant for each inspection

and will be kept on file with the SWPPP. Photographs of the stormwater outlet will be taken. A sample from the outfall will be obtained and analyzed for the parameters identified on the SMR.

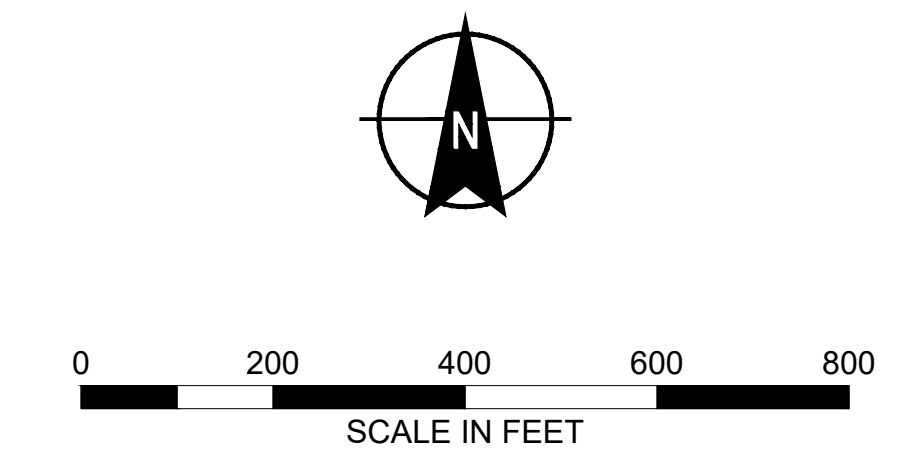
## **4.2 ROUTINE INSPECTIONS**

**Person responsible for conducting Routine Facility Inspections:** Dave Maker

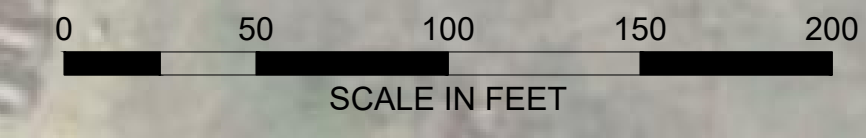
**Schedule for Conducting Routine Facility Inspection:** General site inspections will be performed on a daily basis. Inspection of BMPs will be performed on a monthly basis (at minimum).

### **4.2.1 Routine Inspection Procedures & Reporting**

Daily routine inspections will be made by the Site Operations Manager by driving the site. Minor maintenance and repairs as needed will be conducted on the spot at the time they are observed. Major repairs will be noted and a schedule set up to complete the repair before the next anticipated rain event.



ARROWS INDICATE APPROXIMATE DIRECTION OF SURFACE WATER / STORMWATER RUNOFF FLOW (TYP.)



Project No.:	128663-003
Scale:	AS SHOWN
Date:	OCTOBER 2019
Drawn By:	JNB
Designed By:	
Checked By:	CGH
Approved By:	
Stamp:	

Rev.	Description	By	Date

BECKER QUARRY  
STORMWATER POLLUTION  
PREVENT PLAN

SITE AERIAL  
WITH BMPs



**APPENDIX A**

**SWPPP Amendment and/or Modification Form**

## APPENDIX A

### SWPPP Amendment and/or Modification Form

This form is to be used whenever there is a change at the site that would require an amendment to the SWPPP. Before changes can be made, a review of the potential stormwater impacts and potential new pollutant sources must be initiated.

Amendment/Modification No.	
Location on Site:	
Associated Activity:	
Date:	
Type of Amendment:	
Reason for Amendment:	
Description:	

**APPENDIX B**

**Stormwater Monitoring Report Form**



**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: <u>Holt Mountain, LLC</u>	Site Name: <u>Becker Quarry</u>
Mailing Address: <u>180 Tolland Turnpike, Willington, CT 06279</u>	
Contact Person: <u>Diane Becker</u>	Title: <u>General Manager</u>
Business Phone: <u>860-429-2610</u> ext.: _____	Email: <u>beckerace@aol.com</u>
Site Address: <u>180 Tolland Turnpike, Willington, CT 06279</u>	
Receiving Water (name/basin): <u>wetland area on northwest side of property</u>	
Permit #: GSI _____	Primary SIC: <u>1429</u>
Discharges into an Impaired Waterbody: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (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 <input type="checkbox"/> Annually <input type="checkbox"/> Other <input type="checkbox"/>	
Check here if the sample contains <b>snow or ice melt</b> : <input type="checkbox"/>	
Check here if a benchmark exceedance is solely due to background or off site sources <input type="checkbox"/> <small>see note below</small>	

**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: <small>see note below</small>
_____

**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.