# Dane County Conditional Use Permit Application

| Application Date | C.U.P Number |
|---|---|
| 09/14/2020 | DCPCUP-2020-02505 |
| **Public Hearing Date** | |
| 09/22/2020 | |

| OWNER INFORMATION | | AGENT INFORMATION | |
|---|---|---|---|
| OWNER NAME<br>WESTRES QUARRY LLC | Phone with Area Code | AGENT NAME<br>ROBIN LOGER | Phone with Area Code<br>(608) 849-4162 |
| BILLING ADDRESS (Number, Street)<br>5642 LAKE MENDOTA DR | | ADDRESS (Number, Street)<br>P.O. BOX 277 | |
| (City, State, Zip)<br>MADISON, WI 53703 | | (City, State, Zip)<br>Waunkaee, WI 53597 | |
| E-MAIL ADDRESS<br>robin@yahara.com | | E-MAIL ADDRESS<br>robin@yahara.com | |

| ADDRESS/LOCATION 1 | | ADDRESS/LOCATION 2 | | ADDRESS/LOCATION 3 | |
|---|---|---|---|---|---|
| ADDRESS OR LOCATION OF CUP | | ADDRESS OR LOCATION OF CUP | | ADDRESS OR LOCATION OF CUP | |
| EAST of 4716 STATE HIGHWAY 78 | | | | | |
| TOWNSHIP<br>VERMONT | SECTION<br>2 | TOWNSHIP | SECTION | TOWNSHIP | SECTION |
| PARCEL NUMBERS INVOLVED | | PARCEL NUMBERS INVOLVED | | PARCEL NUMBERS INVOLVED | |
| 0706-021-9000-1 | | 0706-021-9070-7 | | --- | |

**CUP DESCRIPTION**

Renewal of an existing conditional use permit to continue mineral extraction. The proposal expands the quarry area by 4 acres creating a 15.1-acre site.

| DANE COUNTY CODE OF ORDINANCE SECTION | ACRES |
|---|---|
| 10.103(15) | 15.1 |

| DEED RESTRICTION REQUIRED? | Inspectors Initials |
|---|---|
| ☐ Yes ☐ No<br>Applicant Initials_____ | PAA1 |

SIGNATURE:(Owner or Agent)

Robin Loger

PRINT NAME:

Robin Loger

DATE:

9/14/20

COMMENTS: PORTIONS OF 0706-021-9070-7 AND 0706-021-9000-1. CUP AREA CONSISTS OF 15.1 ACRES.

RENEWAL OF CUP #2135.

Form Version 01.00.03

# Dane County Conditional Use Permit Application SEE REVISED

| Application Date | C.U.P Number |
|---|---|
| 07/31/2020 | DCPCUP-2020-02505 |
| **Public Hearing Date** | |
| 09/22/2020 | |

| OWNER INFORMATION | | AGENT INFORMATION | |
|---|---|---|---|
| OWNER NAME<br>WESTRES QUARRY LLC | Phone with Area Code | AGENT NAME<br>ROBIN LOGER | Phone with Area Code<br>(608) 849-4162 |
| BILLING ADDRESS (Number, Street)<br>5642 LAKE MENDOTA DR | | ADDRESS (Number, Street)<br>P.O. BOX 277 | |
| (City, State, Zip)<br>MADISON, WI 53703 | | (City, State, Zip)<br>Waunkaee, WI 53597 | |
| E-MAIL ADDRESS<br>robin@yahara.com | | E-MAIL ADDRESS<br>robin@yahara.com | |

| ADDRESS/LOCATION 1 | | ADDRESS/LOCATION 2 | | ADDRESS/LOCATION 3 | |
|---|---|---|---|---|---|
| **ADDRESS OR LOCATION OF CUP** | | **ADDRESS OR LOCATION OF CUP** | | **ADDRESS OR LOCATION OF CUP** | |
| EAST of 4716 STATE HIGHWAY 78 | | | | | |
| TOWNSHIP<br>VERMONT | SECTION<br>2 | TOWNSHIP | SECTION | TOWNSHIP | SECTION |
| **PARCEL NUMBERS INVOLVED** | | **PARCEL NUMBERS INVOLVED** | | **PARCEL NUMBERS INVOLVED** | |
| 0706-021-9000-1 | | --- | | --- | |

**CUP DESCRIPTION**

~~Renewal of existing 25 acre mineral extraction Conditional Use Permit #2135 and 4 acre expansion.~~

| DANE COUNTY CODE OF ORDINANCE SECTION | ACRES |
|---|---|
| 10.103(15) | ~~29~~ |

| DEED RESTRICTION REQUIRED? | Inspectors Initials |
|---|---|
| ☐ Yes ☐ No<br>Applicant Initials_____ | PAA1 |

**SIGNATURE:(Owner or Agent)**

**PRINT NAME:**

**DATE:**

COMMENTS: PORTIONS OF 0706-021-9070-7 AND 0706-021-9000-1. ~~25~~ ACRES RENEWAL PLUS 4 ACRES OF EXPANSION.

Form Version 01.00.03


# Westres Quarry

## Conditional Use Permit Application

**Dane County CUP #2505**

# Westres Quarry

Table of Contents

**Dane County**
**Department of Planning and Development**
Zoning Division
Room 116, City-County Building
210 Martin Luther King Jr. Blvd.
Madison, Wisconsin 53703
(608) 266-4266

| Application Fees | |
|---|---|
| General: | $495 |
| Mineral Extraction: | $1145 |
| Communication Tower: | $1145 (+$3000 RF eng review fee) |
| PERMIT FEES DOUBLE FOR VIOLATIONS OR WHEN WORK HAS STARTED PRIOR TO ISSUANCE OF PERMIT | |

# CONDITIONAL USE PERMIT APPLICATION

## APPLICANT INFORMATION

| | |
|---|---|
| **Property Owner Name:** Westres Quarry, LLC/Westres Partnership, LLP | **Agent Name:** Robin Loger - Yahara Materials, Inc. |
| **Mailing Address:** 5642 Lake Mendota Dr.<br>Madison, WI 53705 | **Mailing Address:** P.O. Box 277<br>Waunakee, WI 53597 |
| **Email Address:** Refer to Agent's Email Address | **Email Address:** robin@yahara.com |
| **Phone#:** Refer to Agent's Phone Number | **Phone#:** 608.849.4162 |

## SITE INFORMATION

| | | |
|---|---|---|
| **Township:** Vermont | | **Parcel Number(s):** 0706-021-9070-7 and 0706-021-9000-1 |
| **Section:** 2 | | **Property Address or Location:** Part of the W 1/2 NE 1/4 and NW 1/4 SE 1/4 of Section 2<br>Access Road to Quarry on State Highway 78 |
| **Existing Zoning:** RM-16 & FP-35 | **Proposed Zoning:** No Change | **CUP Code Section(s):** 10.103 (15) |

## DESCRIPTION OF PROPOSED CONDITIONAL USE

**Type of conditional use permit** (for example: limited family business, animal boarding, mineral extraction, or any other listed conditional use):
Mineral Extraction

**Is this application being submitted to correct a violation?** Yes ☐ No ☑

**Provide a short but detailed description of the proposed conditional use:**

The proposed conditional use permit will involve the renewal of an existing conditional use permit for mineral extraction as well as western expansion. The mineral extraction site will be used to produce aggregate products for various purposes, including but not limited to, construction of buildings and roads, agricultural uses, and DOT projects. A further description of operations is included in the narrative accompanying this application.

## GENERAL APPLICATION REQUIREMENTS

**Applications will not be accepted until the applicant has met with department staff to review the application and determined that all necessary information has been provided. Only complete applications will be accepted. All information from the checklist below must be included. Note that additional application submittal requirements apply for particular uses or as may be required by the Zoning Administrator. Applicants for significant and/or potentially controversial conditional uses are strongly encouraged to meet with staff prior to submittal.**

| | | | | | |
|---|---|---|---|---|---|
| ☐ Complete attached information sheet for standards | ☐ Site Plan drawn to scale | ☐ Detailed operational plan | ☐ Written legal description of boundaries | ☐ Detailed written statement of intent | ☐ Application fee (**non-refundable**), payable to Dane County Treasurer |

I certify by my signature that all information presented herein is true and correct to the best of my knowledge. I hereby give permission for staff of the Dane County Department of Planning and Development to enter my property for the purpose of collecting information to be used as part of the review of this application. I acknowledge that submittal of false or incorrect information may be grounds for denial of this application.

Owner/Agent Signature: Robin Loger - Agent for Yahara Materials, Inc. Date: 6/30/2020

**STANDARDS FOR CONDITIONAL USE PERMITS**

Applicants must provide adequate evidence demonstrating to the Town and Dane County Zoning & Land Regulation Committee that the proposed conditional use satisfies the following 8 standards for approval, along with any additional standards specific to the applicable zoning district or particular use found in sections 10.220(1) and 10.103 of the code.

Please explain how the proposed land use will meet the following standards (attach additional pages, if necessary):

1. The establishment maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, comfort or general welfare.

This site is located in a rural area off State Highway 78 in the Town of Vermont. Fencing and gates to secure the site and the preservation of mature trees on the western border provide a visual and acoustic barrier to neighbors and the traveling public.

2. The uses, values, and enjoyment of other property in the neighborhood for purposes already permitted shall be in no foreseeable manner substantially impaired or diminished by establishment, maintenance or operation of the conditional use.

The primary land use in the area surrounding the site is agricultural. Traffic to and from the site is via State Highway 78 and hours of operation are strictly observed as not to disturb neighbors.

3. The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.

The proposed use is in harmony with the Town of Vermont land use plan for rural/agricultural preservation practices.

4. Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the conditional use.

The only access to the site is via Highway 78, which is a state trunk highway. The entrance to the site is gated, and the access road is maintained in a dust free manner.

5. Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.

The measures established since the conditional use permit for the site was first approved in 1990 will continue to effectively minimize traffic congestion.

6. That the conditional use shall conform to all applicable regulations of the district in which it is located.

Mineral extraction is a permitted use in the Town of Vermont comprehensive plan.
All DNR permits required to operate as a mineral extraction site have been secured.

7. The conditional use is consistent with the adopted town and county comprehensive plans.

Mineral extraction is a permitted use in the Town of Vermont comprehensive plan.

8. If the conditional use is located in a Farmland Preservation (FP) Zoning district, the conditional use is subject to the following additional standards found in section 10.220(1). Attach additional pages, if necessary.

- Explain how the use and its location in the Farmland Preservation Zoning District are consistent with the purposes of the district:

  Non-metallic mineral extraction is considered an agricultural accessory use under 10.222(3).

- Explain how the use and its location in the Farmland Preservation Zoning district are reasonable and appropriate, considering alternative locations:

  Will be an expansion of an existing mineral extraction site, as opposed to new greenfield site.

- Explain how the use is reasonably designed to minimize the conversion of land from agricultural use or open space use:

  Expansion of existing mineral extraction site minimizes land necessary to continue mining.

- Explain how the use does not substantially impair or limit the current or future agricultural use of surrounding parcels zoned for agricultural use:

  Mineral extraction operations will not impede on the agricultural use of surrounding parcels.

- Explain how construction damage to land remaining in agricultural use is minimized and repaired, to the extent feasible:

  Perimeter of mineral extraction area will be fenced.

**WRITTEN STATEMENT OF INTENT AND OPERATIONS PLAN**

Applicants must provide a detailed written statement of intent describing the proposed conditional use along with an operational plan that explains how the conditional use will be operated. Please use the form below and provide responses, as applicable, to your proposed conditional use. Attach additional pages, if necessary.

Describe in detail the proposed conditional use. Provide the specific location of the use(s), type of equipment used, planned property improvements, including description / size of existing or proposed new buildings to be used, and any other relevant information. For existing or proposed commercial operations, provide the name of the business and describe the nature and type of business activity.

Please refer to narrative included with application.

List the proposed days and hours of operation.

Please refer to narrative included with application.

List the number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.

Please refer to narrative included with application.

List any anticipated noise, odors, dust, soot, runoff or pollution associated with the conditional use, along with any proposed measures that will be taken to mitigate impacts to neighboring properties.

Please refer to narrative included with application as well as support documents pertaining to these matters.

Describe any materials proposed to be stored outside and any activities, processing or other operations taking place outside an enclosed building.

All activities described in the narrative included with application will occur outside.

For proposals involving construction of new facilities and/or infrastructure, describe, as applicable, any measures being taken to ensure compliance with county stormwater and erosion control standards under Chapter 11 of Chapter 14, Dane County Code.

No new facilities will be constructed.

List and describe existing or proposed sanitary facilities, including adequate private onsite wastewater treatment systems, associated with the proposed conditional use. For uses involving domestic pets or livestock, list and describe measures taken to address manure storage or management.

No existing sanitary facilities are present. No new facilities proposed.

List and describe any existing or proposed facilities for managing and removal of trash, solid waste and recyclable materials.

Any trash produced on site will be removed and disposed of properly off site.

Describe anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.

Dump trucks will access the site to haul material. Daily traffic will vary depending on demand, but anticipated to be similar to previous ten years in which the site has operated under CUP #2135.

Provide a listing of any hazardous, toxic or explosive materials to be stored on site, and any spill containment, safety or pollution prevention measures.

No such materials will be stored on site.

Describe any existing or proposed outdoor lighting along with any measures that will be taken to mitigate light-pollution impacts to neighboring properties. The Zoning Administrator may require submittal of a photometric plan for outdoor lighting if deemed necessary to determine potential impacts to neighbors.

No such lighting is being proposed.

Describe any existing or proposed signage, including size, location, and materials, consistent with the county's sign ordinance found in s. 10.800.

Signage will continue to comply with requirements set forth in CUP #2135.

Briefly describe the current use(s) of the property on which the conditional use is proposed.

Site is currently used as a non-metallic mineral extraction site.

Briefly describe the current uses of surrounding properties in the neighborhood.

The primary land use in the area surrounding the site is agricultural.

## APPLICATION CHECKLIST FOR A CONDITIONAL USE PERMIT

**A scaled site plan and detailed operations plan must be submitted with your Conditional Use Permit application. Please use the checklist below to ensure you are submitting all required information applicable to your request. Please attach to your application form the required maps and plans listed below, along with any additional pages.**

### ☐ SCALED SITE PLAN. Show sufficient detail on 11" x 17" paper. Include the following information, as applicable:

- ☐ Scale and north arrow.
- ☐ Date the site plan was created.
- ☐ Existing subject property lot lines and dimensions.
- ☐ Existing and proposed wastewater treatment systems and wells.
- ☐ All buildings and all outdoor use and/or storage areas, existing and proposed, including provisions for water and sewer.
- ☐ All dimension and required setbacks, side yards and rear yards.
- ☐ Location and width of all existing and proposed driveway entrances onto public and private roadways, and of all interior roads or driveways.
- ☐ Location and dimensions of any existing utilities, easements or rights-of-way.
- ☐ Parking lot layout in compliance with s. 10.102(8).
- ☐ Proposed loading/unloading areas.
- ☐ Zoning district boundaries in the immediate area. All districts on the property and on all neighboring properties must be clearly labeled.
- ☐ All relevant natural features, including navigable and non-navigable waters, floodplain boundaries, delineated wetland areas, natural drainage patterns, archeological features, and slopes over 12% grade.
- ☐ Location and type of proposed screening, landscaping, berms or buffer areas if adjacent to a residential area.
- ☐ Any lighting, signs, refuse dumpsters, and possible future expansion areas.

### ☐ NEIGHBORHOOD CHARACTERISTICS. Describe existing land uses on the subject and surrounding properties:

- ☐ Provide a brief written statement describing the current use(s) of the property on which the conditional use is proposed.
- ☐ Provide a brief written statement documenting the current uses of surrounding properties in the neighborhood.

### ☐ OPERATIONS PLAN AND NARRATIVE. Describe in detail the following characteristics of the operation, as applicable:

- ☐ Hours of operation.
- ☐ Number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.
- ☐ Anticipated noise, odors, dust, soot, runoff or pollution and measures taken to mitigate impacts to neighboring properties.
- ☐ Descriptions of any materials stored outside and any activities, processing or other operations taking place outside an enclosed building.
- ☐ Compliance with county stormwater and erosion control standards under Chapter 11 of Chapter 14, Dane County Code.
- ☐ Sanitary facilities, including adequate private onsite wastewater treatment systems and any manure storage or management plans approved by the Madison and Dane County Public Health Agency and/or the Dane County Land and Water Resources Department.
- ☐ Facilities for managing and removal of trash, solid waste and recyclable materials.
- ☐ Anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.
- ☐ A listing of hazardous, toxic or explosive materials stored on site, and any spill containment, safety or pollution prevention measures taken.
- ☐ Outdoor lighting and measures taken to mitigate light-pollution impacts to neighboring properties.
- ☐ Signage, consistent with section 10.800.

### ☐ ADDITIONAL MATERIALS. Additional information is required for certain conditional uses listed in s. 10.103:

- ☐ Agricultural entertainment, special events, or outdoor assembly activities anticipating over 200 attendees must file an event plan.
- ☐ Domestic pet or large animal boarding must provide additional information in site and operations plans.
- ☐ Communication towers must submit additional information as required in s. 10.103(9).
- ☐ Farm residences proposed in the FP-35 district must submit additional information as required in s. 10.103(11).
- ☐ Mineral extraction proposals must submit additional information as required in s. 10.103(15).

P.O. Box 277, Waunakee, Wisconsin 53597 Phone: 608-849-4162 Fax: 608-849-5062

# Request for Conditional Use Permit
# Westres Quarry

**Introduction:**

The mineral extraction operation commonly known as the Norslien Quarry has been operated by Yahara Materials, Inc. since June 1990. The operation of this quarry has been conditionally permitted by Dane County Conditional Use Permits #837, #1638, and #2135. All of these respective permits had terms of ten (10) years. With an expiration date of July 12, 2020 for CUP #2135, Yahara Materials, Inc. is seeking a renewal of the permit to operate the mineral extraction site for an additional ten (10) year term.

The Norslien Quarry has historically been owned by the Norslien Family until the property was sold in February 2020. The quarry is now owned by the members of Westres Quarry, LLC, and as such, the mineral extraction site will be now be named the Westres Quarry.

The boundary of CUP #2135 for the Norslien Quarry currently consists of a site approximately 18.8 acres in size located in part of the W ½ NE ¼ and NW ¼ SE ¼ of Section 2 in the Town of Vermont. As illustrated on the accompanying Operational Plan, the proposed boundary for the Westres Quarry CUP is 15.1 acres. Compared to the 18.8 acre boundary of CUP #2135, the 15.1 acre boundary no longer extends to the northern parcel boundary but does expand into 4.0 acres east of the current site. This land to the east of the current site is owned by Westres Partnership, LLP.

**Ownership:**

Westres Quarry, LLC and Westres Partnership, LLP
5642 Lake Mendota Drive
Madison, WI 53705

**Operator:**

Yahara Materials, Inc.
P.O. Box 277
Waunakee, WI 53597-0277

**Description of Operations**:

The quarry will be used to produce aggregate products for various purposes, including but not limited to, construction of buildings and roads, agricultural uses, and DOT projects.

A. Removing top soil and overburden to form berms on the perimeter of site to expose the rock and to be used in the final restoration of quarry site.

B. Drilling and blasting to loosen the rock from the quarry wall.

C. Crushing of the rock into appropriately sized material to meet government and private contractor specifications.

D. Stockpiling the crushed rock and other aggregate by size and specification.

E. Loading and hauling the processed rock from the quarry.

F. Equipment to be used: Bulldozers, loaders, rock drill, primary and secondary crushers, screens, conveyors and truck scales.

G. Blasting Operations: A licensed blasting contractor will conduct all blasting with notification given prior to blasting to all surrounding neighbors who wish to be notified. A seismograph will be used to measure vibrations in accordance with state of Wisconsin blasting regulations.

H. **Hours of Operation:** Normal hours of operation will be from 6:00 a.m. to 6:00 p.m. Monday thru Friday, and 6:00 a.m. to 2:00 p.m. on Saturday. While winter operations are typically nominal, the site will comply with these hours of operation January 1st through December 31st.

I. Dust Control/Spill Prevention: Dust control will consist of water being sprayed on points of crushing operations where the most effective control of dust can be obtained. There will be no fuel stored on the site.

J. Frequency of Drilling, Blasting and Crushing Operations: From four (4) to six (6) times per year depending on market demand.

K. Employees on Premise: Typical crushing operations involve two full time Semployees operating a plant.

L. Fencing: Fencing is constructed to meet Dane County Standards to control access and promote a safety barrier for adjoining lands.

M. Erosion Control: Erosion control will be achieved with the use of silt fencing and stone water breaks wherever necessary during

operation. These erosion control methods will be closely monitored and adjustments will be made as necessary (see-enclosed plan).

N. Reclamation Plan: Upon approval of this conditional use permit, the existing reclamation plan for this quarry will be modified to include only the 15.1 acres shown in the new reclamation plan. This modified plan will be submitted to Dane County and will conform to the mandates of NR 135 that is administered by the Wisconsin Department of Natural Resources.

**Conclusion:** Legitimate concerns regarding the approval of quarry operation center around the issues of the environment, and the health and safety of the surrounding area. Yahara Materials, Inc. as a construction aggregate producer is in the most highly regulated industry in the state. We conduct our operations well within these regulations and with particular regard to the concerns of our neighbors about blasting, noise, and dust. Our well-conceived and executed operation and reclamation plans will assure protection for the environment and the surrounding area.

Respectfully Submitted,

YAHARA MATERIALS, INC.
Robin Loger
Supervisor


**Yahara Materials Inc.**
*6117 County Trunk K*
*Waunakee WI 53597*
*(608) 849-4162*

# Westres Quarry

*Operational Plan*
*June 3rd, 2020*

- Property Boundary
- CUP Boundary - 15.1 Acres
- Active Area - 9.8 Acres
- Tracking Pad
- Topsoil & Spoils Stockpile Area
- Existing Fencing
- Proposed Fencing (Installed Upon CUP Approval)
- Locked & Gated Entrance to Site




Town: Vermont
T.07 N. R.06 E.

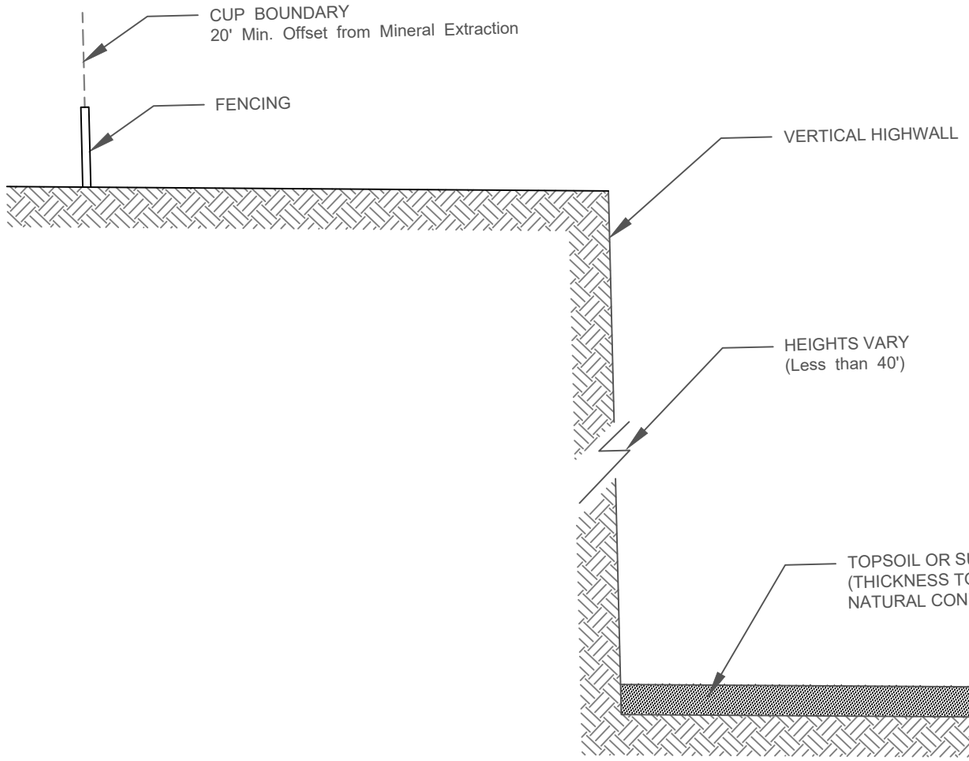
0' 300' 600'

SCALE: 1" = 300'
2017 Aerial Photo

NOTES:

1. AERIAL PHOTO (2017) AND 10' CONTOURS FROM DANE COUNTY GIS APP.
2. QUARRY HIGHWALLS WILL BE CONSTRUCTED AS VERTICAL FACE WALLS.
3. STOCKPILED MATERIAL WILL BE REDISTRIBUTED ALONG QUARRY FLOOR TO PROMOTE REVEGETATION.
4. MINED AREA TO BE RETURNED TO AGRICULTURAL LAND USE UPON RECLAMATION OF THE SITE.

OPERATIONAL AND RECLAMATION PLANS WERE CREATED WITH COLOR FOR CLARITY. PLEASE CONTACT YMI TO REQUEST COLOR COPIES.




NOTE: HIGHWALLS WILL BE SLOPED WHERE TERRAIN PERMITS

1/2 HIGHWALL SECTION VERTICAL DETAIL

SCALE: NONE

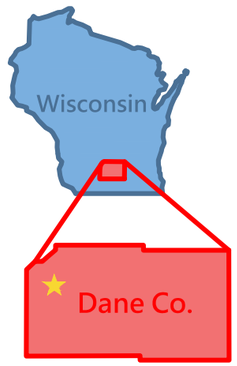
**Yahara Materials Inc.**

*6117 County Trunk K*
*Waunakee WI 53597*

*(608) 849-4162*

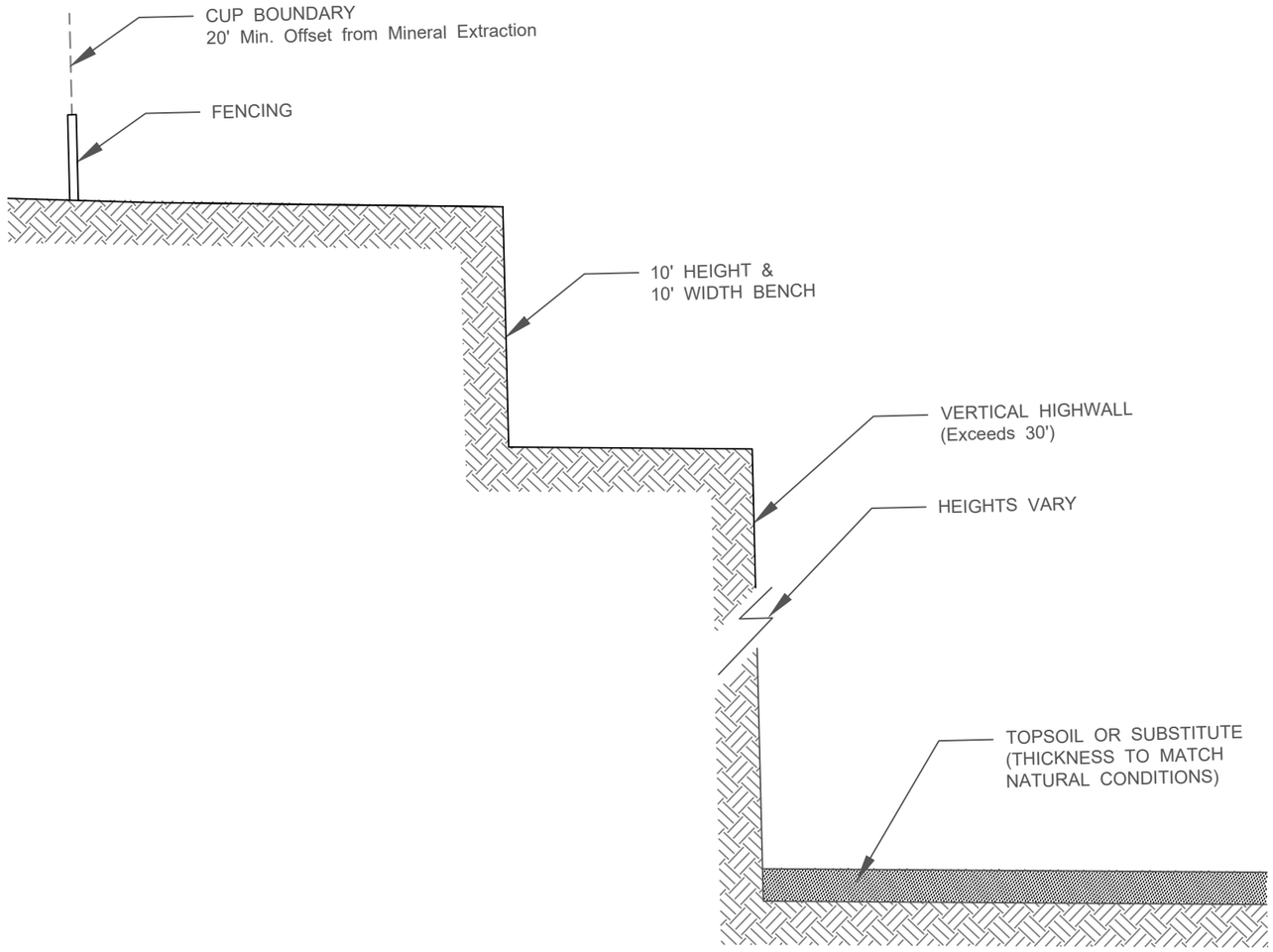
# Westres Quarry

*Highwall Detail & Notes*
*(Under 40' Height)*
*May 18th, 2020*




*Town:* Vermont
T.07 N. R.06 E.

SCALE: NONE




NOTE: HIGHWALLS WILL BE SLOPED WHERE TERRAIN PERMITS

1/2 40' + HIGHWALL SECTION VERTICAL DETAIL

SCALE: NONE

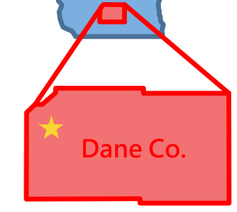
**Yahara Materials Inc.**

*6117 County Trunk K*
*Waunakee WI 53597*

*(608) 849-4162*

# Westres Quarry

*40' + Highwall Detail*
*May 18th, 2020*




*Town:* Vermont
T.07 N. R.06 E.

SCALE: NONE

P.O. Box 277, Waunakee, Wisconsin 53597 Phone: 608-849-4162 Fax: 608-849-5062

# EROSION CONTROL AND STORMWATER MANAGEMENT PLAN FOR WESTRES QUARRY

## EROSION CONTROL MEASURES:

### ENTRANCE:

The entrance to this site has 200 feet of recycled asphalt which prevents tracking of material onto public roads. All slopes are seeded with grasses to provide cover.

### BERMS:

The stripped soils will be separated in stock piles, the overburden will be stripped and used as the base of the berm, the top soil will be used to top dress the berms. The top soil and the subsoil will used in the final restoration. The berms will be constructed with a depression that will serve as a sediment trap at the base of the berm. (See detail. The berms will be seeded and mulched in the spring from May 15 to May 30.). If needed the berm will have a buffer beyond the limits of the berm. This buffer will be seeded and mulched.

### SILT FENCING:

Silt Fencing is used as necessary when soils are being stripped and stockpiled.

### STONE WEEPER:

A stone weeper will be used to slow water velocity and trap any sediment as necessary. The weeper will be built with 3 to 6 inch clear stone, with a depression in the middle and higher at the slope of the ditch. The weeper will have a face with 1 to 2 inch stone.

### SEEDING & MULCHING:

**Seeding:** All the berms and non-farmable areas will be seeded at a rate of 7 pounds per 1,000 square feet of #20 WisDot Specification seed mixture within 7 days of completion of the grading operations. To optimize growth all planting will be conducted between May 15$^{th}$ in the spring, and no later than September 15$^{th}$ in the fall. Fertilizer shall be applied at the rate of 10 pounds per 1,000 square feet 16-8-8 (NPK). The steep side slopes of the quarry will be stabilized with seed and polymer treatment to prevent any erosion.

As our long range plan is to return this site to agriculture, the relatively flat or gently sloping area would be returned to row crops, such as corn and soybeans or to alfalfa. In the event the land is not immediately farmed after reclamation, the quarry floor will be seeded as described in the preceding paragraph.

**Mulching:** The berms will be stabilized with 90 lbs per 1000 square foot (2.5 tons/sq.ft.) of mulch.

Note*: Please see enclosed WisDOT specifications for seed properties and germination rates.

**MAINTENANCE:**

The berms will be inspected and repaired according to the needs of the site. This will include cleaning of the weeper, the sediment basins and additional application of seed and mulch, if necessary. The drive way will be maintained free of sediment or soil deposits.

**COST:** The annual estimated cost of the erosion control measures is approximately $1500.00 per year

**SCHEDULE:** All schedules are presented as an estimate, as work at this site is market driven, and operational dates may vary as market demands dictate. The schedule presented represents a typical year.

**May 1st:** Strip top soil and overburden, prepare and shape berms for seeding. Construct the swale next to the berms. Direct the excess of runoff into the quarry.

**May 15th:** Seed and mulch berms and disturbed areas.

**August 15th:** Seeding established and repair the areas where new vegetation is needed.

**September 1st** Inspect all erosion control measures to insure effectiveness.

**NOTE: The site is internally draining, no road ditches are present at the site, no cross section, runoff velocities, culverts, are applicable to this site.**

**CONTACT PERSON:**

Robin Loger
Yahara Materials, Inc.
P.O. Box 277
Waunakee, WI 53597
Office: 608.849.4162
Fax: 608.849.5062

**EROSION CONTROL NOTES:**

1.) Install a 50' X 20' X 1' deep pad of 6" "Breaker Run" stone at the end of the paved entrance road to prevent sediment from being tracked onto the adjacent paved public roadway. Sediment reaching the public roadway shall be removed by street cleaning (not hydraulic flushing) before the end of each workday.

2.) Erosion Control measures shall be installed per these plans. Other erosion control measures may be necessary as directed by the engineer and may include silt fence, stone weepers, seed mixtures, or additional sediment traps.

3.) Channelized Runoff from adjacent areas passing through the site shall be diverted around disturbed areas. Upon completion of the grading and site restoration shown on the site reclamation, the drain way from the north shall be re-directed through the site.

4.) Stabilized Storage Piles: Soil stockpiles or dirt storage piles shall be contained on the site by silt fence or other suitable means. The containment measures shall remain in place until the area is adequately stabilized. The soil stockpiles shall be seeded with temporary perennial rye seeding mixture within 7 days of completion of the stockpile.

5.) Yahara Materials, Inc. shall maintain the erosion control measures during quarry operations. The property owner shall be responsible for erosion control upon completion of the site reclamation.

**DANE COUNTY**
**LAND CONSERVATION DEPARTMENT**

LYMAN F. ANDERSON AGRICULTURE & CONSERVATION CENTER
1 Fen Oak Ct., Rm. 208, Madison, Wisconsin 53718-8812
PH: 608/224-3730 • FAX: 608/224-3745
www.co.dane.wi.us/landconservation/

DATE: September 13, 2004

TO: Pete Conrad
Zoning Administrator

FROM: Aicardo Roa, Ph.D. AR
Urban Conservationist

RE: **Yahara Materials, Norslien Quarry, #74-95, Town of Vermont**

The submitted erosion control and storm water management plan meets the needs of the site.

The site consists of approximately 80 acres that will be used for limestone products, such as gravel, and other forms of mineral extraction. The proposed future land use is agriculture (pasture, row-crops) after the minerals are extracted. Presently, the runoff goes to the south and is internally drained. All runoff from the 80 acres of the gravel pit will be directed to the existing low areas and is internally drained.

The following conditions must be implemented:

1. The sediment pond must be expanded and updated according to the needs of the site. The site is internally drained and will remain internally drained.
2. The entire berm area and slopes are vegetated according to the reclamation plan.
3. The existing internally drained system meets the needs of the site. The detention basin shall be enlarged, as needed.
4. Currently, the site is fenced.
5. The reclamation plan and final slopes are presented on map of the last page of the plan.
6. The stockpiles and soil berms around the perimeter of the quarry will be graded as presented in the plan. The bottom of the quarry will be topsoiled 9 to 12 inches and the slopes topsoiled 6 to 9 inches and graded.
7. The slopes outside of the lake area will be graded 3:1. The vertical faces will be blasted down into a bench pattern, and where possible, slopes 3:1 will be established.
8. The clear stone weepers and erosion control and drainage structures will be used as needed to accomplish the final drainage pattern.
9. The entire berms at the east of the property shall be restored and slope according to the reclamation plan.

10. All berms are seeded and mulched. The berm at the east side of the property has stable vegetation and drains to the south of the property.
11. These soils, due to the stripping procedure, will be compacted. All the areas to be determined post-mining land use need to be deep-tilled or sub-soiled to allow the vertical permeability to function.

**Quarry Reclamation**

1. The reclamation plan is to return the site to agriculture and row crops.

2. The topsoil shall be free of trees, brush, and other woody materials.

3. The backfill of the excavated pit will be done with clean, uncontaminated topsoil during the operation.

4. Redistribute the topsoil stockpiles from the berms, returning site grades to the predevelopment condition.

5. The topsoil shall be deep-tilled to increase infiltration and reduce the compaction that occurred during the backfilling of the site.

**Time Schedule:**

| DATE | ACTIVITY |
|---|---|
| June 1, 2004 | Strip topsoil, separate subsoil and overburden. Construct berm and terraces. |
| June 15, 2004 | Permanent seeding and mulching with WDOT #720 at a rate of 7 pounds per acre within seven days of completion of the grading. Do not use fertilizer with phosphorous. |
| Aug. 15, 2004 | Seeding established. Repair the areas where new vegetation is needed. |
| Sept. 1, 2004 | Final reclamation of some of the areas |

The construction site will follow the plan according to the schedule approved by Dane County Land Conservation. The permit will expire on the final reclamation date included in the plan, and can only be amended prior to permit expiration.

This review is only for the requirements of Chapter 14, Dane County Code of Ordinances. Other approvals may be necessary. The applicant must obtain a permit card from the Dane County Zoning counter and display it on the site prior to disturbing ground. It is recommended that you contact Zoning prior to picking up the permit card to ensure that they have received a copy of this review.

Yahara Materials will notify Dane County that the plan has been implemented according to the design and specifications, as presented. Any proposed changes to the erosion control plan must be submitted in writing to the Dane County Zoning Office, with a copy given to Dane County Land Conservation Department for approval.

cc: Pam Andros and Daniel Everson, Dane County Zoning
Larry Burcalow and Tim Geoghegan, Yahara Materials, Inc.

P.O. Box 277, Waunakee, Wisconsin 53597 Phone: 608-849-4162 Fax: 608-849-5062

Yahara Materials, Inc. recognizes the need for a comprehensive and consistent company policy that outlines control measures, activities, and management options that contribute to a reduction in fugitive emissions from crushing, processing, and transporting of non-metallic mineral aggregates at quarry locations. This plan specifies potential fugitive emissions sources and the appropriate control methods.

Plan Outline

I. POTENTIAL FUGITIVE EMISSION SOURCES
- A. Transport of shot rock to crusher
- B. Crushing Operations
- C. Screening Operations
- D. Conveying of Aggregate Products
- E. Stockpiling and Stockpile Maintenance
- F. Truck Transport of Final Products
- G. Total Facility

II.FUGITIVE EMISSIONS CONTROL OPTIONS
- A. Water Spray Application
- B. Drop Height Management
- C. Site Traffic Speed Control

III. TRAINED PERSONNEL RESPONSIBILITIES
- A. Maintain Control Equipment in Operable Condition
- B. Evaluate Fugitive Emissions and Need for Control Application
- C. Maintain Access to Water Sources as Needed
- D. Enforce Speed Limits on Process Vehicular Traffic
- E. Truck Transport of Final Product
- F. Total Facility

IV. RECORDKEEPING
- A. Activity Documentation

## I. POTENTIAL FUGITIVE EMISSION SOURCES

A. Transport Shot Rock to Crusher — Loader traffic to and from the primary crusher from the shot rock or nibble pile may create excess fines in the tire lanes when surface moisture conditions are dry. Loader operators should scrape and replace traffic lane aggregates when necessary to reduce surface fines. Water may be added as necessary to maintain fugitive suppression.

B. Crushing Operations — Each reduction phase of the crushing process has the potential to generate fugitive emissions. Primary crushing typically exhibits the least fugitive generation, with each successive reduction having a greater potential for emissions. Each facility or crushing spread has spray equipment, including pumps, hose, spray nozzles, and spare parts. Spray nozzle location and water application rate is determined by the operator to provide maximum control under situational circumstances. The nozzle or nozzles may be located on one crusher or all crushers at the facility, depending on the needed control.

C. Screening Operations — Screening operations may generate fugitive emissions and are particularly susceptible to wind and low moisture conditions. The initial screen may have adequate material moisture for good emissions control in most circumstances, but as with the reduction phase, each successive screening operation has an increased potential for emissions, with decreased material moisture contents and finer fractions. Water addition during crushing exhibits the best control for screening operations.

D. Conveying of Aggregate Products — Conveyance of rock products during the processing of aggregates exhibits the least potential for fugitive emissions of all the processes at a facility. The drop or transfer points between processes and conveyors provide the most opportunity for emissions, but are typically the easiest to control. Wind and/or low moisture conditions may be abated by water application, and minimizing the drop height between transfer points. For normal operations, application of a single management tool may be very effective in controlling emissions.

E. Stockpiling and Stockpiling Maintenance — Stockpiling operations at crushing facilities consist of placing aggregates in storage piles with stackers or front-end loaders. Stackers are typically adjustable; so drop height to the pile can be controlled as with other conveyors. Loader transfer results in fewer emissions from dumping, but greater potential from the loader traffic and tire contact with generated fines. Travel roads may be sprayed with water for longer lasting control. Scraping and application of new aggregate can also be effective in controlling fugitive emissions from this operation. Fugitive emissions from stockpiles are highly dependent on aggregate gradation, weather, location, stockpile age, and amount of loading face activity.

F. Truck Transport of Final Product Truck traffic in the area of crushing operations has the potential to generate excessive surface fines on haul roads. Watering and

speed controls are the most effective options for controlling fugitive emissions from truck traffic. Any one of these management options may be incorporated into routine operations to provide continuous benefit.

G. Total Facility — Minimizing the emissions from fugitive sources at a crushing and processing facility requires a knowledge of potential contributing factors on the part of operations level personnel, and a common-sense application of available management options to provide significant control of fugitive emissions from crushing operations.

## II. FUGITIVE EMISSIONS CONTROL OPTIONS

A. Water Spray Application — Water may be added directly to aggregate product with spray nozzles at any phase of the production cycle. Each facility is equipped with adequate equipment to make multiple-point application of water if needed. The person responsible for plant operations decides where application affords the best control efficiency for current conditions, In addition to material control; the plant foreman is responsible for water application to site roads and stockpiles as necessary to maintain acceptable site opacity.

B. Drop Height Management — Facility foreman is responsible for minimizing drop height at all material transfer points, including stacker and loading operations.

C. Site Traffic Speed Control — Facility foreman or company responsible official enforces appropriate speed limit in the production area. Speed limit determination is influenced by site-specific conditions and may be lowered at the foreman's discretion, to provide greater control influence.

## III. TRAINED PERSONNEL RESPONSIBILITIES

A. Maintain Control Equipment in Operable Condition — The facility foreman is responsible for managing emissions control and is required to maintain all suppressive equipment in operational condition according to the Malfunction Prevention and Abatement Plan. He must maintain adequate spare parts inventory to accommodate changing conditions and equipment replacement.

B. Evaluate Fugitive Emissions and Need for Control Application — The facility foreman or other person designated as being trained for operations management is required to evaluate conditions, process variables, and fugitive emissions on a continuous basis during crushing operations. From this evaluation, the trained person determines whether opacity and emissions are within allowable levels, and if not, to apply available control options as needed to gain the required level of fugitive control.

C. Maintain Access to Water Sources as Needed — The foreman is responsible for locating and maintaining access to water resources to provide adequate fugitive emissions control. For normal operations, application of a single management tool may be very effective in controlling emissions.

D. Enforce Speed Limits on Process Vehicular Traffic – The facility foreman/responsible person must determine if enforced speed limits are effective in controlling fugitive emissions from that source. He has authority to reduce vehicular speeds as appropriate to gain the needed control. Site speed limits affect all process vehicles, including loaders, trucks, and visitors.

E. Transport of Final Product — Truck traffic in the area of crushing operations has the potential to generate excessive surface fines on haul roads. Watering and speed controls are the most effective options for controlling fugitive emissions from truck traffic. Any one of these management options may be incorporated into routine operations to provide continuous benefit.

F. Total Facility — Minimizing the emissions from fugitive sources at a crushing and processing facility requires a knowledge of potential contributing factors on the part of operations level personnel, and a common-sense application of available management options to provide significant control of fugitive emissions from crushing operations.

## VI. RECORDKEEPING

A. Activity Documentation – Yahara Materials, Inc. is committed to accurate and complete documentation of crushing process parameters that influence and indicate compliance with applicable State and Federal regulations. The facility foreman is required to record important process information on a daily basis, maintain the daily records for inspection, and to deliver the records to the company office for storage and reference for an additional four years.

# STORM WATER POLLUTION PREVENTION PLAN


## Summary

The Storm Water Pollution Prevention Plan concentrates on identifying potential pollutants on the construction site and adopting management practices that will eliminate their contact with storm water. The following outline was used as a guideline to develop on effective and functional program for pollution prevention.


I. Intent

A. Identify Potential sources of storm water contamination on the construction site

B. Develop or modify procedures to eliminate storm water contamination from significant substances on the site

II. Focus

A. Provide education for company employees. Reduce human error factor as contributor to pollution.

B. Identify significant management practices that achieve the plan intent.

C. Implement Best Management Practices.

III. Scope

A. Rock crushing and processing plants

B. Hot mix asphalt plants

C. Areas adjacent to plants that are impacted by operations

D. Externally and internally drained sites

Potential pollutants and particular operations that create exposure risk were identified. The plan development then focused on management options that addressed those issues and best served the intent of reducing storm water pollution. Best Management Practices were explained from available options.

Ten Best Management Practices were incorporated into the plan that encompass the operation of hot mix asphalt plants, rock and gravel crushing and processing plants, areas adjacent to the plants and externally and internally drained sites that may be impacted by the operations. A Summary of the Best Management Practices is:

1. Education – operator and employee training
2. Inspection and Supervision
3. Communication and emergency response
4. Plant site selection
5. Significant material storage
6. Repair and maintenance schedule
7. Good housekeeping practices
8. Construction of containment as needed
9. Erosion control prevention
10. Outside vehicle washing

The Practices listed have been expanded in the plan to address specific areas of concern. Plant operators or supervisors have the option to expand or adapt particular practices to best serve the intent of the plan at a specific site.

# Facility Plan

**Including:**

- **Facility Potential Pollutants**
- **Storm Water Exposure Potential**
- **Best Management Practices Summary**
- **Plant Layout**

STORM WATER POLLUTION PREVETION PLAN

# Facility Plan

I. Facility Potential Pollutants
   A. # 2 Fuel Oil
   B. Lubricating Oils
   C. Grease
   D. Aggregates
   E. Reprocessed Waste Oil (HMA plants only)
   F. Asphalt Cement (HMA plants only)

II. Storm Water Exposure Potential for Pollutants
   A. # 2 Fuel Oil
      1. Spills during equipment refueling
      2. Bulk shipment deliveries – overfill
      3. Broken or leaking fuel lines and hoses
   B. Lubricating Oils
      1. Overfilling gearboxes
      2. Leaking seals and mechanical equipment
      3. Engine breather pipes
      4. Spills during oil changes
      5. Improper storage of oil inventory
   C. Grease
      1. Over greasing bearing and wear surfaces
      2. Improper disposal of cleaning towels
   D. Aggregates
      1. Pile runoff not contained on site
      2. Poor storage technique
   E. Asphalt Cement
      1. Tank overfills during delivery
      2. Hose and coupling failure- drips
      3. Tanker failing to disconnect before exit
      4. Drivers unlading without supervision
   F. Reprocessed Waste Oil
      1. Tank Failure
      2. Hose and coupling failures
      3. Tanker failing to disconnect before exit
      4. Tanker drivers unloading without supervision
   G. Antifreeze
      1. Leakage from damaged radiators
      2. Overfill/ spill

III. Best Management Practices for Pollution Prevention

A. Education – Eliminate human error as a factor in pollution prevention
B. Inspection and supervision
C. Communication and supervision
D. Selection of plant sites based on environmental factors
E. Proper storage of petroleum products – eliminate exposure to storm water
F. Perform routine and repair maintenance as needed to eliminate leakage from mechanical components
G. Use available resources to contain common spills
H. Construct bermed containment area when needed to fulfill intent and purpose of the plan.
I. Erosion control prevention
J. Outside vehicle washing

IV. Site Map

A. Refer to the plant diagram on the following page for equipment configuration and significant materials locations
B. Specific location information is not included as this unit is portable
C. Whenever possible, plant location is chosen such that site runoff from the immediate plant area is contained onsite by natural impounding in the quarry or pit. In cases where natural impounding is not available, berms will be constructed to provide containment for immediate plant area.
D. Whenever possible aggregate piles will be located such that storm water runoff from the pile area will flow into a settling impoundment to reduce turbidity before exiting the site.

# Implementation of Best Management Practices (BMP)

STORM WATER POLLUTION PREVENTION PLAN

# IMPLEMETATION OF BEST MANAGEMENT PRACTICES (BMP)

I. Education

A. The storm water pollution prevention plan is reviewed at the spring operators meeting. The intent of the plan is stressed, and changes or improvements are noted. Operators discuss the plan and exchange ideas for plan improvement. Any new ideas that contribute to the intent of the plan are included in the written storm water pollution prevention plan for each plant.
B. Each plant operator holds on informal meeting of employees before beginning seasonal operation to instruct all plant personnel in safe petroleum product handling, proper maintenance procedures, and routine inspection of the plant during operation. Personnel are encouraged to take a pro-active role in prevention of spills. Good housekeeping practices are stressed for control of minor drips and leaks from daily maintenance and operation

II. Inspection and Supervision

A. Portable plant site operation will be inspected at least once every six months to document compliance with the storm water pollution prevention plan. The inspection may be completed by plant foreman, supervisors or engineers familiar with the intent and purpose of the plan. The inspection shall be conducted after a significant storm event to evaluate the effectiveness of the management practices employed by the plant to eliminate the contamination of storm water runoff. Any changes in procedure that are deemed necessary to improve plan performance will be noted on the written plan and incorporated in the general operating procedure immediately. Changes to the plan may be site or plant specific as needed to improve plan performance.
B. The plant operator will inspect that plant site each day of operation, and will included a pre-startup inspection, continuous monitoring during operations and post shutdown inspection to insure that all plant equipment is functioning properly, all valves are closed and significant materials are properly stored and secure before leaving the plant site.
C. The plant operator or other responsible employee will supervise all bulk fuel deliveries to the site. Fuel transfers, including hose connect and disconnect from the receiving tank will be monitored to insure that spills do not occur. Plant personnel will assist tanker drivers as needed to provide safe and effective transfer of fuels.
D. Refueling of plant equipment will be monitored at all times to eliminate overfilling.

III. Communication and Response

A. Emergency response plan for spills is posted in the control house of the asphalt plants or the repair trailer of the rock crushing operations. The primary order of contact is listed. Plant operators and employees are aware of the location of the listing and follow the outlined procedure in a spill response situation.
B. Plant personnel will respond immediately to spill situation to mitigate effects and isolate/control source of spill. Operations will be immediately shut down when necessary to redirect on-site resources and manpower in spill response.
C. Company contact personnel and emergency phone numbers are posted in the control house or repair trailer to provide operators with immediate access to company support. Company contact will be established as soon as possible after the spill.
D. Emergency suppliers are listed with phone numbers for spill support services, including contaminated water pumping and removal service.
E. Company representatives follow state and federal reporting requirements. Documentation of spills is included in the plant record.

IV. Selection of Plant sites

A. Plant locations will be chosen on the basis of environmental impact. Alternate plant sites are considered when necessary to reduce risk of surface or groundwater contamination.
B. Plants will be located as far from potential receiving waters as possible.
C. Whenever possible, the plant will be located in a pit or quarry that provides natural, onsite containment of storm water runoff. Efforts are made to locate such that immediate plant area runoff is separately contained from surrounding area runoff.
D. In locations where there is increased environmental sensitivity because of proximity to receiving waters, lack of natural containment, or other critical factors, berms or diking will be constructed that will contain runoff from the immediate plant area.

V. Petroleum Product Storage

A. All fuel tanks shall have drip pans or sorbent materials available for nozzle storage between refueling. Tanks and hoses are inspected daily for integrity and any problems are corrected.
B. Lubricants and grease are stored in repair or service trailer until needed. Storage area is secured at end of operating cycle.
C. Drip pans and contaminated sorbent material are replaced at the end of each work shift and at the onset or precipitation to eliminate storm water exposure to petroleum products. Containers are located in the service trailer for storage of used sorbents and other cleanup materials.
D. Used oil and grease from equipment service and repair is stored inside the plant service trailer until collected for off-site disposal.

VI. Repair and Maintenance

A. Engines and gearboxes will be inspected and serviced as needed during the off season to eliminate leaking seals, fuel lines, and gaskets. Drip pans, sorbents, or other acceptable means contain leaks that develop during operation, until company maintenance personnel repair the problem. In cases where continued operation may cause uncontainable fluid losses, plant operation will cease until the problem is corrected.
B. Plant employees are instructed in proper lubrication procedures for plant equipment. Manufacturers specifications are followed to eliminate over-fills of gearboxes and crankcases. Greasing of bearings and wear surfaces is carefully monitored to eliminate unnecessary grease contact with the ground. Overflow from bearings is collected and disposed of with contaminated sorbent material.
C. Routine engine oil changes will be done with adequate sorbent material to provide for drips and spills associated with maintenance operations. Waste oil will be stored in spill proof containers in the service trailer until picked up for off-site disposal.
D. Any leaks that develop during the course of operation may, at the operator's discretion, be contained with drip pans or petroleum sorbent material, as long as plant operation ceases prior to a storm event and containment vessels are cleaned and free of petroleum to prevent contact with storm water.
E. Repair and maintenance procedures will be conducted in the service trailer or outside with adequate containment for degreasing and cleaning. Petroleum sorbent materials will be available as needed to supplement containment.

VII. Use of Available Resources

A. Housekeeping supplies, including drip pans and sorbent materials, are kept on inventory in the repair trailer at all times. All plant personnel have access to materials and are instructed in their use.
B. All plant personnel are available to respond to petroleum spills as needed. Additional response personnel may be obtained from field crews working adjacent to the plant if needed.
C. If necessary, plant loader may be used to construct temporary berms or place aggregated for absorbing free flowing liquids. Loader can be used for backfilling and to remove impacted soils or aggregates.
D. Plant foreman, job superintendent, or other responsible company officials may obtain, mobilize, and utilize any additional resources deemed necessary to mitigate the effects of a petroleum release. This may involve subcontractors, additional equipment, or additional personnel, as needed.

VIII. Construction of Containment

A. When a plant must be placed in an area where natural containment does not occur, the plant siting crew, foreman, or superintendent my elect to construct berms or temporary basins for collection and control of storm water. Necessity of construction will be based on slope of plant site, area drained, soil type, and proximity to receiving waters. Other influences may be considered on a site-specific basis as needed to fulfill the purpose of the plant.
B. Water collected in the on-site basins will be inspected by plant personnel for evidence of petroleum sheen or odor. If no evidence of contamination is apparent, the water may be released by gravity flow or by pumping. Release of water must be done in a manner that will not induce erosion or release water with high sediment loading into receiving waters. Water collected in on-site basins that shows evidence of petroleum contamination will be pumped into disposal tanks for transport to approved disposal facilities. Company environmental supervisor will be notified before removal and disposition of contaminated water. Any water releases will be documenting in the daily plant record.
C. Berms constructed for containment during the plant operation will be removed, regraded, or opened after the plant is removed from the site to prevent unsupervised water collection. Collection areas may be recontoured and seeded during site reclamation or separately.

IX. Erosion Control Prevention

A. Bales, silt fences, and settling ponds are utilized to mitigate and eliminate erosion form potential problem areas.
B. Aggregate stockpiles are kept at a manageable slope gradient to reduce erosion.
C. Temporary seeding will be used to control critical area erosion, as needed, on a site specific basis. Critical areas may include stockpiled top soil and non-traffic area that will support vegetation.
D. Contours of temporary plant sites are graded to minimize runoff to critical areas including waterways and stockpile areas.

X. Outside Vehicle Washing

A. Wash water containing suspended solids should be filtered prior to discharge from the site.
    1. Vehicle washing should preferably occur on a grassy area or on area that will allow infiltration of the wash water.
    2. Depending on the amount of wash water generated, it may be necessary to build a settling basin from straw bales, sand bags or aggregate material to provide adequate settling time for the suspended solids.
B. Oil and grease must be removed from the wash water using sorbents or equivalent. It may be necessary to build a wash water collection pond so that sorbents can be used to skim the water surface for collection or the oil and grease.
C. The use of non-biodegradable, cleaning solvents in the wash water is prohibited unless the wash water is treated prior to discharge onto the property.

# Spill Prevention,

## Inspections and Facility Contact

**Including:**

- **Spill Response Procedure**
- **Inspection Checklist**
- **Storm Water Prevention Record Keeping**
- **Monitoring**
- **Facility Contact**

# STORM WATER POLLUTION PREVENTION PLAN

Spills and Contamination:

Any ground contact petroleum product from routine operation was removed and properly disposed of offsite.

Operation sites are inspected by the plant operator for contamination before leaving the site. Clean – up is implemented if necessary.

Description of Inspections:

Inspections are recorded on the Environmental Programs Daily Tracking form. (A copy of the Environmental Programs Tracking form is included.)

The Spill Prevention Control and Countermeasures (SPCC) plan summarizes the petroleum products handling, management, repairs, and maintenance to petroleum equipment. These same procedures and containment type structures apply to the storm water plan also. Potential areas of contaminated discharge are inspected daily by the plant operator as outline in the SPCC Inspection outline. (A copy of the SPCC Inspection Outline is included.) This inspection procedure and any maintenance preformed on equipment affecting these areas are documented on the Environmental Programs Tracking form in the SPCC section.

Monitoring:

Facility Contact:

The facility contact is responsible for development and implementation of the pollution prevention plan.

X _____

Facility Contact – print name Title

# Attachment A

IF SPILL OCCURS:

1. TAKE IMMEDIATE ACTION TO ISOLATE AND CONTROL THE RELEASE, AS LONG AS RESPONSE ACTION DOES NOT JEOPARDIZE THE HEALTH AND/OR SAFETY OF RESPONDERS OR THE PUBLIC. MOBILIZE ACCESSIBLE RESOURCES AND STABILIZE THE SITUATION

2. CONSULT MATERIAL SAFETY DATA SHEETS WHEN NECESSARY TO EVALUATE FIRE POTENTIAL. CONTACT LOCAL FIRE RESPONDERS IF POTENTIAL FOR IGNITION IS A CONCERN

3. REPORT ANY SPILL TO AUTHORIZED COMPANY OFFICALS. COMPANY OFFICIALS WILL NOTIFY COUNTY LEPC, DEPARTMENT OF NATURAL RESOURCES PERSONNEL, AND EPA NATIONAL RESPONSE PERSONAL FOR REPORTABLE SPILLS. COMPANY OFFICIALS THAT ARE AVAILABLE FOR 24 HOUR RESPONSES ARE LISTED IN ATTACHMENT NUMBER #5. IF CONTACT WITH COMPANY OFFICIAL IS NOT POSSIBLE, REPORT THE SPILL IMMEDIATELY TO THE NEAREST LAWN ENFORCEMENT OR DEPARTMENT OF NATURAL RESOURCES OFFICIAL.

4. CONTIUNE SPILL MITIGATION PROCEDURES. ISOLATE AND CONTAIN PETROELUM PRODUCTS THROUGH BERMING, APPLICATION OF ABSOBENT AGGREGATE, PETROLEUM SORBENT PADDING, OR DIVERSION TO CANTAINMENT AREA. CONFIRM POSITIVE CONTROL OF LEAK OR SPILL SOURCE AS SOON AS PRACTIABLE.

5. NOTIFIY COMPANY OFFICALS AS SOON AS STIUATION IS STABILIZED. UPON APPROVAL OF COMAPANY OR DEPARTMENT OF NATURAL RESOURCE OFFCIALS, EXCAVATE AND PLACE IMPACTED SOIL/ AGGREGATES ON IMPERVIOUS SURFACE OR PLASTIC, OR TRANSPORT TO REMDIATION SITE. CLEANUP SHOULD BE DONE UNDER DIRECTION OF SUPERVISING DNR OFFICAL OR RESPONSIBLE COMPANY OFFICAL

6. DOCUMENT ALL DETAILS OF THE SPILL INCIDENT AND RETAIN RECORDS AT THE PLANT SITE FOR INSPECTION. **ALL RECORDS SHALL BE MAINTAINED FOR A PERIOD OF FIVE YEARS.**