Environmental Plans and Procedures
OMM and SWPPP

Permit # VAG110309

210 Stone Spring Rd. Harrisonburg, Va. 22801
# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>OMM</td>
<td>2</td>
</tr>
<tr>
<td>O&amp;M practices for wastewater treatment</td>
<td>2</td>
</tr>
<tr>
<td>Chemical and material storage</td>
<td>2</td>
</tr>
<tr>
<td>Methods for estimating process wastewater flows</td>
<td>2</td>
</tr>
<tr>
<td>Solids management and disposal procedures</td>
<td>2</td>
</tr>
<tr>
<td>Temporary and long-term facility closure plans</td>
<td>2</td>
</tr>
<tr>
<td>Testing requirements and procedures</td>
<td>3</td>
</tr>
<tr>
<td>Recordkeeping and reporting requirements</td>
<td>3</td>
</tr>
<tr>
<td>Duties and roles of responsible officials</td>
<td>3</td>
</tr>
<tr>
<td>SWPPP</td>
<td>4</td>
</tr>
<tr>
<td>Pollution Prevention Team</td>
<td>4</td>
</tr>
<tr>
<td>Potential Pollutant Sources</td>
<td>5</td>
</tr>
<tr>
<td>Spills and Leaks</td>
<td>7</td>
</tr>
<tr>
<td>Preventative Maintenance</td>
<td>7</td>
</tr>
<tr>
<td>Spill Prevention and Response Procedures</td>
<td>7</td>
</tr>
<tr>
<td>Facility Inspections</td>
<td>7</td>
</tr>
<tr>
<td>Employee Training</td>
<td>7</td>
</tr>
<tr>
<td>Sediment and Erosion Control/Management of Runoff</td>
<td>7</td>
</tr>
<tr>
<td>Comprehensive Site Compliance</td>
<td>8</td>
</tr>
</tbody>
</table>
OMM

O&M practices for wastewater treatment
Process water is not generated on this site.

Chemical and material storage
Admixtures are used in block production occasionally, when used they are stored inside the block plant.

The fueling tank is in the Fueling Area in secondary containment.

Truck lubricants are stored in the Maintenance Shop Area which would provide containment.

Stone and Sand piles are maintained in 3 wall bins to reduce carry off.

Cement and Flyash are stored in silos.

Methods for estimating process wastewater flows
Process water is not discharged from this site, so no flow is estimated.

Solids management and disposal procedures
Solids come from block production.

Solids from Block Production are stored in a dump truck and disposed of off site once the truck is full. A 3 wall bin is available and used for storage when a dump truck is not available. When a truck becomes available, it is loaded with a front end loader and disposed of off site.

Temporary and long-term facility closure plans
The site, if operating infrequently, will have personnel at the facility from time to time to check the condition of the site.

In the event of a long term closure,

- The materials would be moved to another Allied Concrete site.
- Facility would be secured to prevent unauthorized access.
**Testing requirements and procedures**
Quarterly visual monitoring and Annual DMRs are required.

The DMR sample is taken within the first 30 minutes of discharge from Outfall 001, 002, and 003 using a sample container; a pH reading is taken and recorded immediately using a temperature compensating pH meter. The sample is then stored in a cooler with ice and transported to the lab to be tested for TSS. These findings along with flow calculation are recorded on the DMR and sent into DEQ on an annual basis.

QV monitoring is taken within the first 30 minutes of discharge, the sample is checked for clarity, odor, color, floating solids, settled solids, suspended solids, foam, oil sheen, and other indicators of storm water pollution. Also any probably sources of storm water contamination will be recorded.

**Recordkeeping and reporting requirements**
The Quarterly Visual Sample is taken once per quarter during a qualifying storm event by the Team Leader. The results are recorded on the QV Form and kept with this plan.

Quarterly Site Inspections are conducted once each quarter by the Team Leader. Once per year this inspection should be conducted during a qualifying storm event. Results are recorded on the QI form and kept with this plan.

Annual Compliance/Unauthorized Discharge Evaluations are conducted once per year by the Team Leader. Results are recorded on the Annual Comp Eval form and the Unauth Discharge Eval form and kept with this plan.

DMR samples are taken once per year during a qualifying storm event by the Team Leader. The sample data is recorded on the DMR Sample Log, and a Chain of Custody is completed for it to be delivered to the Lab, and the Flow Calculation Spreadsheet is used to calculate flow. Once the results return a DMR form (from the permit) is completed and sent into DEQ no later than the 10th of January. All documents are kept with this plan.

Any person sampling will have completed an Initial Demonstration of Capability for pH, the results of which are kept with this plan.

Annual Thermometer Calibration Records are kept with this plan.

Training records and training outline are kept with this plan.

**Duties and roles of responsible officials**
The records and sampling will be completed by the environmental team designated in the SWPPP.
SWPPP

Pollution Prevention Team

**Team Leaders:**

- Barry McNeal (540) 975-4500  VBS-Harrisonburg Safety Director
- Pete Hawes (540) 480-2763  ACC- Safety Director
- Clay Hubbard (434) 249-2213  Operations Manager
- BJ Barbrow (540) 718-4862  Safety/Environmental Manager

**Team Leader Responsibilities**

The Team Leader is responsible for overall content and implementation of the SWP3. Potential non-compliance areas or concerns are presented to the team leader by other team members. The Team Leader will ensure that changes to facility drainage, exposed materials, spill response, pollution control measures, inspections and training are incorporated into the plan.

**Team Members: Valley Building Supply employees**

**Team Member Responsibilities**

Team members will responsible for implementing and following the procedures outlined in this plan. This includes checking site condition, reporting any spills or releases with a potential to pollute storm water, directing and performing any housekeeping tasks, and report to the Team Leader any permit compliance issues or recommendations for improved BMPs.
## Potential Pollutant Sources

<table>
<thead>
<tr>
<th>Activity</th>
<th>Potential Pollutant</th>
<th>BMPs</th>
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</thead>
<tbody>
<tr>
<td>Truck Maintenance</td>
<td>Lubricants, Fluids *, Parts</td>
<td>Maintenance is performed in designated area, and area cleaned as needed. Scrap parts are stored in a metal bin with is emptied for recycling when full.</td>
</tr>
<tr>
<td>Vehicle Cleaning</td>
<td>Detergents, Fluids *, Solids</td>
<td>Vehicle Cleaning is performed in the Shop area in a bay that captures all wash water and potential pollutants. When the holding tank is near full Safety Kleen is called to pump it out.</td>
</tr>
<tr>
<td>Filling Bins/Unloading aggregates</td>
<td>Natural Sand, Crushed Stone, Manufactured Sand</td>
<td>Aggregates are unloaded to aggregate holding areas, and materials are pushed into piles. Bin filling operations use a front end loader. The bucket should be filled and excess shaken off at the pile. The areas around inlets 3 &amp; 4 will be checked daily and cleaned as needed to minimize sediment exposure to storm water, but no less than once a week.</td>
</tr>
<tr>
<td>Block Production</td>
<td>Cement, Aggregates, Admixtures</td>
<td>Block production occurs indoors where it is not exposed to storm water</td>
</tr>
<tr>
<td>Unloading to Silo</td>
<td>Cement, Fly Ash</td>
<td>Silos are filled with a pipe that leads to the top of the silo. A tanker connects to this with a flexible rubber hose. The dust collector on the silo allows venting while filtering out any potential dust. The person unloading the tanker is responsible for ensuring that all dust filtration systems are operating properly during the unloading process.</td>
</tr>
<tr>
<td>Fueling</td>
<td>Diesel</td>
<td>Fueling occurs at the fuel pump in the fueling area. Employee is to monitor the fueling to prevent overfill</td>
</tr>
<tr>
<td>Draining Containment</td>
<td>Diesel</td>
<td>There is a locked drain valve to release any storm water. The water is checked for any contamination before release, and monitored during discharge, and then relocked when complete.</td>
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<tr>
<td>Sand bagging</td>
<td>Sand</td>
<td>The hopper area will be cleaned as needed to minimize sediment exposure to storm water, but no less than once a week.</td>
</tr>
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</table>
Spills and Leaks
No significant spills or leaks have occurred on this site.

Preventative Maintenance
Silo dust collectors are checked monthly by maintenance personnel, and if any onsite employee notices maintenance needed they will report it to a team member.

Spill Prevention and Response Procedures
Chemicals that have the potential for spilling are stored in secondary containment as outlined in Chemicals and material storage in the OMM portion. If a spill were to occur, sand would be used to control any spilled chemicals. It would then be disposed of according to the manufactures recommendation, and in compliance with local ordinances. In the event of a spill contact:

Barry McNeal (540) 975-4500   VBS-Harrisonburg Safety Director
Pete Hawes (540) 480-2763   ACC- Safety Director
Clay Hubbard (434) 249-2213   Operations Manager
BJ Barbrow (540) 718-4862   Safety/Environmental Manager

Facility Inspections
Facility Inspections are done quarterly. Any deficiencies noted from these inspections are documented, brought to the attention of the rest of the team, and taken care of in a timely manner.

Employee Training
Employee training on the permit and this plan is conducted annually for Valley Building Supply employees.

Sediment and Erosion Control/Management of Runoff
Outfall 001 is a rocky area where erosion is found to not be an issue. Regular housekeeping in areas where materials are exposed to storm water is used to minimize sediment carry off. The aggregate piles will be pushed up as loads come in. Impervious areas, excess material from plant filling operations, and the sand loading hopper area will be cleaned/swept as needed, no less than once a week.

Outfall 002 is in the catch basin that receives water from Inlet 1B and 2B as well as the Block Plant roof drains. No erodible surfaces are present. The areas around inlets 3 & 4 will be checked daily and cleaned as needed to minimize sediment exposure to storm water, but no less than once a week.

Outfall 003 is located between the rear fence and fuel tank containment area. The area is monitored during quarterly inspections for signs of erosion. Paved areas are checked weekly to see if sweeping is required.
**Comprehensive Site Compliance**

Comprehensive site compliance evaluations will be conducted annually by the Environmental Team Leader. Results of the evaluation as well as the results of the Annual sample lab results will be shared with the team, for any deficiencies found a plan of action will be determined and documented (along with a time frame for correction) with the evaluation.

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i Hydraulic Oil, Grease, Motor Oil, Gear Oil

ii Ditch on the SW side of the facility. Sample point is marked on the site map. Below Fire Hydrant.

iii 1L Plastic Container

iv Standards Method 4500-H+B-201100

v Oakton pHTestr30 (S/N 1309464) Thermometer calibrations are done annually. Results are available with this plan.

vi Drainage area acreage and impervious factor is estimated and used with the precipitation amount to calculate flow.

vii EnviroCompliance Laboratories in Verona, Va.

viii $\frac{\left(0.65 \text{Impervious Factor} \times 135,036 \text{Total Area}[\text{ft}^2]\right) \times \text{Rainfall}[\text{ft}]}{7.48 \text{[convert to gallons]}/1000000\text{[convert to MGD]}}$

ix Hydraulic Oil, Grease, Motor Oil, Gear Oil

x Hydraulic Oil, Grease, Motor Oil, Gear Oil

xi Corrective Action Form

xii Corrective Action Form