

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0137472

Owner: Smith Calhoun
Address: 1948 NW Bypass, Springfield MO 65803

Continuing Authority: David Calhoun
Address: 1948 NW Bypass, Springfield MO 65803

Facility Name: City Wide Construction Products, Inc.
Facility Address: 1817 Farmer Branch Road, Ozark, Mo. 65721

Legal Description: See Page 2
UTM Coordinates: See Page 2

Receiving Stream: See Page 2
First Classified Stream and ID: See Page 2
USGS Basin & Sub-watershed No.: See Page 2

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

See Page 2.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Sections 640.013, 621.250, and 644.051.6 of the Law.

January 1, 2015
Effective Date


Sara Parker Pauley, Director, Department of Natural Resources

December 31, 2019
Expiration Date


John Madras, Director, Water Protection Program

FACILITY DESCRIPTION (continued):

Outfall #001 - Ready Mix Concrete/Mixing/Delivery- SIC #3273

Truck Wash and Settling Basins/Stormwater and process water discharge from concrete industry

Receiving Stream: Unclassified Tributary to Farmer Branch (L) (Losing)
First Classified Stream and ID: Farmer Branch (L) (Losing)
Classified Stream and ID: James River (P) #2362
USGS Basin & Sub-watershed No.: 11010002-0304
Legal Description: NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 33, T28N, R21W, Christian County

UTM Coordinates: X= 479532, Y= 4105013

Outfall #002 - Ready Mix Concrete/Mixing/Delivery- SIC #3273

Truck Wash and Settling Basins /Stormwater and process water discharge from concrete industry

Receiving Stream: Unclassified Tributary to Farmer Branch (L) (Losing)
First Classified Stream and ID: Farmer Branch (L) (Losing)
Classified Stream and ID: James River (P) #2362
USGS Basin & Sub-watershed No.: 11010002-0304
Legal Description: NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 33, T28N, R21W, Christian County

UTM Coordinates: X= 479489, Y=410520

OUTFALL #001	TABLE A-1. FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS				PAGE NUMBER 3 of 6	
					PERMIT NUMBER MO-0137472	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective January 1, 2015 , and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
EFFLUENT PARAMETER(S) (Note 1, 2 on Page 4)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	MGD	*		*	once/quarter***	24 hr. estimate
Chemical Oxygen Demand (COD)	mg/L	*		*	once/quarter***	grab
Total Suspended Solids (TSS)	mg/L	30		15	once/quarter***	grab
Settleable Solids	mL/L/hr	1.0		0.5	once/quarter***	grab
pH – Units	SU	**		**	once/quarter***	grab
Oil & Grease	mg/L	15		10	once/quarter***	grab
Precipitation	Inches	*		*	once/quarter***	total measured
Iron, Total Recoverable	µg/L	*		*	once/quarter***	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>APRIL 28, 2015</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						

OUTFALL #002	TABLE A-2. FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS				PERMIT NUMBER MO-0137472	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective January 1, 2015 , and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
EFFLUENT PARAMETER(S) (Note 1, 2 on Page 4)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	MGD	*		*	once/quarter***	24 hr. estimate
Chemical Oxygen Demand (COD)	mg/L	*		*	once/quarter***	grab
Total Suspended Solids (TSS)	mg/L	30		15	once/quarter***	grab
Settleable Solids	mL/L/hr	1.0		0.5	once/quarter***	grab
pH – Units	SU	**		**	once/quarter***	grab
Oil & Grease	mg/L	15		10	once/quarter***	grab
Precipitation	Inches	*		*	once/quarter***	total measured
Iron, Total Recoverable	µg/L	*		*	once/quarter***	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>APRIL 28, 2015</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						

- * Monitoring requirement only.
- ** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.5-9.0 pH units.
- *** See table below for quarterly sampling.

A. EFFLUENT LIMITS AND MONITORING REQUIREMENTS (continued)

Note 1. During wet-weather periods, sample all discharges resulting from a precipitation event greater than 0.1 inches in magnitude and that occur at least 72 hours from the previously measurable precipitation event. If a precipitation event does not occur within the reporting, report “0” for the precipitation monitoring parameter. Report the magnitude of the rain event during which the sample was obtained.

Note 2. All the listed effluent parameters must be sampled once each quarter during a dry weather discharge and a wet weather discharge. If no rainfall greater than 0.1 inches in magnitude occurs during a quarter report no discharge for the wet weather reporting.

Minimum Sampling Requirements			
Quarter	Months	Effluent Parameters	Report is Due
First	January, February, March	Sample at least once during any month of the quarter	April 28 th
Second	April, May, June	Sample at least once during any month of the quarter	July 28 th
Third	July, August, September	Sample at least once during any month of the quarter	October 28th
Fourth	October, November, December	Sample at least once during any month of the quarter	January 28th

B. STANDARD CONDITIONS

In addition to specified conditions stated herein, this permit is subject to the attached Part I standard conditions dated August 1, 2014, and hereby incorporated as though fully set forth herein.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri’s Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri’s list of waters of the state not fully achieving the state’s water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Water Quality Standards
 - (a) To the extent required by law, discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
 - (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;

C. SPECIAL CONDITIONS (continued)

- (5) There shall be no significant human health hazard from incidental contact with the water;
- (6) There shall be no acute toxicity to livestock or wildlife watering;
- (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
- (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established by the Director in accordance with 40 CFR 122.44(f).
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

5. Report as no-discharge when a discharge does not occur during the report period.

6. It is a violation of the Missouri Clean Water Law to fail to pay fees associated with this permit (644.055 RSMo).

7. Any pesticide discharge from any point source shall comply with the requirements of Federal Insecticide, Fungicide and Rodenticide Act, as amended (7 U.S.C. 136 et. seq.) and the use of such pesticides shall be in a manner consistent with its label.

8. The permittee shall implement a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP must be prepared and implemented within 90 days. The SWPPP must be kept on-site and should not be sent to the department unless specifically requested. The SWPPP must be reviewed and updated, if needed, every five (5) years or as site conditions change. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP in accordance with the concepts and methods described in the following document:

Developing Your Stormwater Pollution Prevention Plan, A Guide for Industrial Operators, (Document number EPA 833-B-09-002) published by the United States Environmental Protection Agency (USEPA) in February 2009.

The SWPPP must include the following:

- (a) A listing of specific Best Management Practices (BMPs) and a narrative explaining how BMPs will be implemented to control and minimize the amount of potential contaminants that may enter stormwater.
- (b) The SWPPP must include a schedule for once per month site inspections and brief written reports. The inspections must include observation and evaluation of BMP effectiveness. Deficiencies must be corrected within seven (7) days and the actions taken to correct the deficiencies shall be included with the written report, including photographs. Any corrective measure that necessitates major construction may also need a construction permit. Inspection reports must be kept on site with the SWPPP and maintained for a period of five (5) years. These must be made available to department personnel upon request.
- (c) A provision for designating an individual to be responsible for environmental matters.
- (d) A provision for providing training to all personnel involved in material handling and storage, and housekeeping of maintenance and cleaning areas. Proof of training shall be submitted on request of the department.

9. Permittee shall adhere to the following minimum Best Management Practices (BMPs):

- (a) Prevent the spillage or loss of fluids, oil, grease, fuel, etc. from vehicle maintenance, equipment cleaning, or warehouse activities and thereby prevent the contamination of stormwater from these substances.
- (b) Provide collection facilities and arrange for proper disposal of waste products including but not limited to petroleum waste products, and solvents.

C. SPECIAL CONDITIONS (continued)

- (c) Store all paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) so that these materials are not exposed to stormwater or provide other prescribed BMPs such as plastic lids and/or portable spill pans to prevent the commingling of stormwater with container contents. Commingled water may not be discharged under this permit. Provide spill prevention control, and/or management sufficient to prevent any spills of these pollutants from entering waters of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater.
 - (d) Provide good housekeeping practices on the site to keep trash from entry into waters of the state.
 - (e) Provide sediment and erosion control sufficient to prevent or control sediment loss off of the property. This could include the use of straw bales, silt fences, or sediment basins, if needed, to comply with effluent limits.
10. The purpose of the SWPPP and the BMPs listed herein is the prevention of pollution of waters of the state. A deficiency of a BMP means it was not effective in preventing pollution [10 CSR 20-2.010(56)] of waters of the state, and corrective actions means the facility took steps to eliminate the deficiency.
11. Before releasing water that has accumulated in secondary containment areas it must be examined for hydrocarbon odor and presence of a sheen. If the presence of hydrocarbons is indicated, this water must be tested for Total Petroleum Hydrocarbons (TPH). The suggested analytical method for testing TPH is non-Halogenated Organic by Gas Chromatography method 8015 (also known as OA1 and OA2). However, if the permittee so desires to use other approved testing methods (i.e. EPA 1664), they may do so. If the concentration for TPH exceeds 10mg/L, the water shall be taken to a WWTP for treatment.
12. Release of a hazardous substance must be reported to the department in accordance with 10 CSR 24-3.010. A record of each reportable spill shall be retained with the SWPPP and made available to the department upon request.
13. If a mobile truck wash is used by the facility as part of the facility operations, it is the facilities responsibility to ensure that the contractor complies with the permit requirements.
14. The following Benchmark Value applies to Outfall #001 and #002 and is considered necessary to protect existing water quality and should not be exceeded during discharges resulting from a precipitation event exceeding 0.1 inches during a 24 hour period. The BMPs at the facility should be designed to meet this value during rainfall event up to the 10 year, 24 hour rain event. The benchmark does not constitute numeric effluent limitations. **A benchmark exceedance alone, therefore, is not a permit violation.** If a sample exceeds a benchmark concentration a review of the facilities SWPPP and BMPs shall take place to determine whether any improvement or additional controls are needed to reduce that pollutant in the stormwater discharge. The facility may demonstrate via a Corrective Action Report that the benchmark value cannot be achieved through the application of BMPs representing the available technology and the benchmark is not feasible because no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice. Upon concurrence with a Corrective Action report by the Department, the facility may return to normal quarterly reporting. This evaluation must be kept on file with the SWPPP. Failure to evaluate and improve BMPs to address a benchmark value exceedance is a permit violation.

Parameter	Benchmark
Iron, Total Recoverable	1,000 µg/L

Missouri Department of Natural Resources
FACT SHEET
FOR THE PURPOSE OF NEW FACILITY
MO-0137472
CITY WIDE CONSTRUCTION PRODUCTS

The Federal Water Pollution Control Act ("Clean Water Act" Section 402 Public Law 92-500 as amended) established the National Pollution Discharge Elimination System (NPDES) permit program. This program regulates the discharge of pollutants from point sources into the waters of the United States, and the release of stormwater from certain point sources. All such discharges are unlawful without a permit (Section 301 of the "Clean Water Act"). After a permit is obtained, a discharge not in compliance with all permit terms and conditions is unlawful. Missouri State Operating Permits (MSOPs) are issued by the Director of the Missouri Department of Natural Resources (Department) under an approved program, operating in accordance with federal and state laws (Federal "Clean Water Act" and "Missouri Clean Water Law" Section 644 as amended). MSOPs are issued for a period of five (5) years unless otherwise specified.

As per [40 CFR Part 124.8(a)] and [10 CSR 20-6.020(1)2.] a Factsheet shall be prepared to give pertinent information regarding the applicable regulations, rationale for the development of effluent limitations and conditions, and the public participation process for the Missouri State Operating Permit (operating permit) listed below.

A Factsheet is not an enforceable part of an operating permit.

This Factsheet is for an Industrial Facility.

Part I – Facility Information

Facility Type: Industrial
Facility SIC Code(s): 3273

Facility Description:

The facility is currently receiving coverage under Mo-G490334 permit. Because the Missouri Geologic Survey's Geohydrologic Evaluation LWE13005, dated 7-12-12, classified the receiving stream as losing, the facility can no longer receive coverage under the general permit. This site-specific permit will serve to address the facility storm water management. Termination of the general permit is not necessary.

The facility is composed of a concrete batch plant. The site contains stockpiles of sand, gravel, clean fill and various chemical additives (Glenium 75000, calcium chloride) that are used in the concrete which are stored in containers that are exposed to stormwater. The facility has two wash bays to wash mixer trucks (see Appendix A. Facility Map). The degreasers and cleaners that were on the site during the October 2013 inspection have been removed and use discontinued eliminating the forming and staining in the Tributary to Farmer Branch. The amount of water used to wash the mixer trucks was identified by the owner as a cause of the pollution to Farmer Branch. The facility has hired a mobile truck wash or outside vendor to provide cleaning services. The October 2013 inspection noted that the pits/settling basins on site are too small and do not provide enough settling time."

Outfall #001 – Truck wash water from Wash Bay #1 discharges to an initial settling Pit #1 (see Appendix A); water is recycled and used. Excess water flows south to a berm and then out Outfall #001 or into Pit #2. Wash Bay #2 flows to Outfall #001 or Outfall #002. Stormwater flows from north to south discharges to an unidentified settling basin and then to the environment.

Outfall #002 – Truck wash water from Wash Bay #2 discharges to an unidentified settling basin and may discharge from Outfall #001 or be directed by a berm to Pit #2, and then discharge to the environment. Stormwater from the storage bins on the west and north part of the facility will collect in Pit #2 and discharge from Outfall #002.

Have any changes occurred at this facility or in the receiving water body that effects effluent limit derivation?

- No; however, see the comment and facility description section on how the facility will address non-compliance issues.

Application Date: 05/24/2013
Expiration Date: New
Last Inspection: 10/16/2013 In Compliance ; Non-Compliance

OUTFALL(S) TABLE:

OUTFALL	DESIGN FLOW (CFS)	TREATMENT LEVEL	EFFLUENT TYPE
001	Varies with precipitation	BMPs	Stormwater and Industrial Process Water
002	Varies with precipitation	BMPs	Stormwater and Industrial Process Water

Facility Performance History & Comments:

During the April 2012 inspection it was noted that the facility’s general operating permit no longer applied to the facility because of the close proximity to a losing stream. It was also noted that the facility did not have a Stormwater Pollution Prevention Plan (SWPPP). Monthly site inspections were also not being conducted and the facility’s outfalls were not marked. As a result of the inspection the facility received a Letter of Warning from the Department. The facility’s SWPPP was submitted with the application for the site specific permit and was reviewed by SWRO inspectors. The SWPPP was drafted from a land disturbance SWPPP template and does not address all issues with an industrial site. Please reevaluate your SWPPP to reflect an industrial site. In addition, the DMRs submitted to the SWRO from January 2012 to June 2013 reflect compliance with MSOP limits; however, DMRs all state “no discharge” and there was at least one quarter of missing DMRs that occurred during the first quarter of 2013. Samples must be collected whenever there is a discharge from either outfall 001 or outfall 001 in accordance with this permit.

Non-Compliance: 1) The Permittee caused pollution of the tributary to Farmers Branch, waters of the state, or placed or caused or permitted to be placed water contaminants (rock dust, rock flour) in a location where it is reasonably certain to cause pollution of waters of the state. This constitutes a violation of Missouri Clean Water Law Sections 644.051.1(1) and 644.076.1, RSMo. 2) The Permittee discharged wash water containing detergents, acids, solvents, or other additives. This constitutes a violation of Missouri Clean Water Law Sections 644.076.1, RSMo.

Part II – Receiving Stream Information

Receiving Water Body’s Water Quality

Farmer Branch is a losing stream based on 07/12/2012 re-evaluation of Farmer Branch that was performed at and below the facility outfall by the State Geological Survey. Observation on and near the site indicate up to 10 feet of silty to clayey gravelly residuum derived from the underlying Mississippian-age Burlington-Keokuk Limestone. Due to the high permeability of the cherty Mississippian age Limestones this area has sinkholes and losing streams. The observations made during the site visit were indicative of a losing stream. No impairments are noted other than the tributary to Farmer Branch

APPLICABLE DESIGNATIONS OF WATERS OF THE STATE:

As per Missouri’s Effluent Regulations [10 CSR 20-7.015], the waters of the state are divided into the below listed seven (7) categories. Each category lists effluent limitations for specific parameters, which are presented in each outfall’s Effluent Limitation Table and further discussed in the Derivation & Discussion of Limits section.

- Missouri or Mississippi River [10 CSR 20-7.015(2)]:
- Lake or Reservoir [10 CSR 20-7.015(3)]:
- Losing [10 CSR 20-7.015(4)]:
- Metropolitan No-Discharge [10 CSR 20-7.015(5)]:
- Special Stream [10 CSR 20-7.015(6)]:
- Subsurface Water [10 CSR 20-7.015(7)]:
- All Other Waters [10 CSR 20-7.015(8)]:

10 CSR 20-7.031 Missouri Water Quality Standards, the Department defines the Clean Water Commission water quality objectives in terms of "water uses to be maintained and the criteria to protect those uses." The receiving stream and 1st classified receiving stream’s beneficial water uses to be maintained are located in the Receiving Stream Table located below in accordance with [10 CSR 20-7.031(3)].

RECEIVING STREAM(S) TABLE: OUTFALL #001 AND OUTFALL #002

WATERBODY NAME	CLASS	WBID	DESIGNATED USES*	DISTANCE TO CLASSIFIED SEGMENT	12-DIGIT HUC**
Tributary to and Farmer Branch (L)	L	-	General Criteria	2.8	11010002-0304
James River	P	2362	IRR, AQL, CLF, WBCA, LWV, SCR	0	

* - Irrigation (IRR), Livestock & Wildlife Watering (LWW), Protection of Warm Water Aquatic Life and Human Health-Fish Consumption (AQL), Cool Water Fishery(CLF), Cold Water Fishery (CDF), Whole Body Contact Recreation (WBC), Secondary Contact Recreation (SCR), Drinking Water Supply (DWS), Industrial (IND), Groundwater (GRW). ** - Hydrologic Unit Code

RECEIVING STREAM(S) LOW-FLOW VALUES TABLE:

RECEIVING STREAM (U, C, P)	LOW-FLOW VALUES (CFS)		
	1Q10	7Q10	30Q10
Unclassified Farmer Branch (U)	0	0	0

MIXING CONSIDERATIONS FOR OUTFALL #001 & #002:

Mixing Zone: Not Allowed [10 CSR 20-7.031(5)(A)4.B.(I)(a)].
Zone of Initial Dilution: Not Allowed [10 CSR 20-7.031(5)(A)4.B.(I)(b)].

RECEIVING STREAM MONITORING REQUIREMENTS:

No receiving water monitoring requirements recommended at this time.

Part III – Rationale and Derivation of Effluent Limitations & Permit Conditions

ALTERNATIVE EVALUATIONS FOR NEW FACILITIES:

As per [10 CSR 20-7.015(4)(A)], discharges to losing streams shall be permitted only after other alternatives including land application, discharges to a gaining stream and connection to a regional wastewater treatment facility have been evaluated and determined to be unacceptable for environmental and/or economic reasons.

Not Applicable; The stormwater facility does discharge to a Losing Stream as defined by [10 CSR 20-2.010(36)] & [10 CSR 20-7.031(1)(N)], but is a long-existing stormwater discharging facility. Discharge has already been established at this facility under a general permit, Mo-G490334. The existing nature of the discharge and the nature of the discovery of the losing status preclude the establishment of the other discharge locations or other alternatives for this discharge.

ANTI-BACKSLIDING:

A provision in the Federal Regulations [CWA §303(d)(4); CWA §402(c); 40 CFR Part 122.44(I)] that requires a reissued permit to be as stringent as the previous permit with some exceptions.

- New facility, backsliding does not apply.

- All limits in this operating permit are at least as protective as those previously established; therefore, backsliding does not apply. The general permit MO—G490334 was previous provided for this facility.

ANTIDegradation:

In accordance with Missouri’s Water Quality Standard [10 CSR 20-7.031(2)], the Department is to document by means of Antidegradation Review that the use of a water body’s available assimilative capacity is justified. Degradation is justified by documenting the socio-economic importance of a discharging activity after determining the necessity of the discharge.

- Renewal no degradation proposed and no further review necessary.

BIOSOLIDS & SEWAGE SLUDGE:

Biosolids are solid materials resulting from domestic wastewater treatment that meet federal and state criteria for beneficial uses (i.e. fertilizer). Sewage sludge is solids, semi-solids, or liquid residue generated during the treatment of domestic sewage in a treatment works; including but not limited to, domestic septage; scum or solids removed in primary, secondary, or advanced wastewater treatment process; and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screening generated during preliminary treatment of domestic sewage in a treatment works. Additional information regarding biosolids and sludge is located at the following web address: <http://extension.missouri.edu/main/DisplayCategory.aspx?C=74>, items WQ422 through WQ449.

Not applicable; This condition is not applicable to the permittee for this facility.

COMPLIANCE AND ENFORCEMENT:

Enforcement is the action taken by the Water Protection Program (WPP) to bring an entity into compliance with the Missouri Clean Water Law, its implementing regulations, and/or any terms and conditions of an operating permit. The primary purpose of the enforcement activity in the WPP is to resolve violations and return the entity to compliance.

Not Applicable; The permittee/facility is not currently under Water Protection Program enforcement action.

REASONABLE POTENTIAL ANALYSIS (RPA):

Federal regulation [40 CFR Part 122.44(d)(1)(i)] requires effluent limitations for all pollutants that are or may be discharged at a level that will cause or have the reasonable potential to cause or contribute to an in-stream excursion above narrative or numeric water quality standard.

In accordance with [40 CFR Part 122.44(d)(iii)] if the permit writer determines that any give pollutant has the reasonable potential to cause, or contribute to an in-stream excursion above the WQS, the permit must contain effluent limits for that pollutant.

Not Applicable; A RPA was not conducted for this facility.

SCHEDULE OF COMPLIANCE (SOC):

A schedule of remedial measures included in a permit, including an enforceable sequence of interim requirements (actions, operations, or milestone events) leading to compliance with the Missouri Clean Water Law, its implementing regulations, and/or the terms and conditions of an operating permit.

Not Applicable; This permit does not contain a SOC.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

In accordance with 40 CFR 122.44(k) *Best Management Practices (BMPs)* to control or abate the discharge of pollutants when: (1) Authorized under section 304(e) of the Clean Water Act (CWA) for the control of toxic pollutants and hazardous substances from ancillary industrial activities; (2) Authorized under section 402(p) of the CWA for the control of stormwater discharges; (3) Numeric effluent limitations are infeasible; or (4) the practices are reasonably necessary to achieve effluent limitations and standards or to carry out the purposes and intent of the CWA.

In accordance with the EPA's *Developing Your Stormwater Pollution Prevention Plan, A Guide for Industrial Operators*, (Document number EPA 833-B-09-002) [published by the United States Environmental Protection Agency (USEPA) in February 2009], BMPs are measures or practices used to reduce the amount of pollution entering (regarding this operating permit) waters of the state. BMPs may take the form of a process, activity, or physical structure.

Additionally in accordance with the Stormwater Management, a SWPPP is a series of steps and activities to (1) identify sources of pollution or contamination, and (2) select and carry out actions which prevent or control the pollution of storm water discharges.

Applicable; A SWPPP shall be developed and implemented for each site and shall incorporate required practices identified by the Department with jurisdiction, incorporate erosion control practices specific to site conditions, and provide for maintenance and adherence to the plan.

The facility's SWPPP was submitted with the application for the site specific permit and was reviewed by SWRO inspectors. The SWPPP was drafted from a land disturbance SWPPP template and does not address all issues with an industrial site. Please reevaluate your SWPPP to reflect an industrial site.

SPILL REPORTING:

Per 10 CSR 24-3.010, any emergency involving a hazardous substance must be reported to the department's 24 hour Environmental Emergency Response hotline at (573) 634-2436 at the earliest practicable moment after discovery. The department may require the submittal of a written report detailing measures taken to clean up a spill. These reporting requirements apply whether or not the spill results in chemicals or materials leaving the permitted property or reaching waters of the state. This requirement is in addition to the Noncompliance Reporting requirement found in Standard Conditions Part I.

VARIANCE:

As per the Missouri Clean Water Law § 644.061.4, variances shall be granted for such period of time and under such terms and conditions as shall be specified by the commission in its order. The variance may be extended by affirmative action of the commission. In no event shall the variance be granted for a period of time greater than is reasonably necessary for complying with the Missouri Clean Water Law §§644.006 to 644.141 or any standard, rule or regulation promulgated pursuant to Missouri Clean Water Law §§644.006 to 644.141.

Not Applicable; This operating permit is not drafted under premises of a petition for variance.

WASTELOAD ALLOCATIONS (WLA) FOR LIMITS:

As per [10 CSR 20-2.010(78)], the amount of pollutant each discharger is allowed by the Department to release into a given stream after the Department has determined total amount of pollutant that may be discharged into that stream without endangering its water quality.

Not Applicable; Wasteload allocations were not calculated.

WLA MODELING:

There are two general types of effluent limitations, technology-based effluent limits (TBELs) and water quality based effluent limits (WQBELs). If TBELs do not provide adequate protection for the receiving waters, then WQBEL must be used.

Not Applicable; A WLA study was either not submitted or determined not applicable by Department staff.

WATER QUALITY STANDARDS:

Per [10 CSR 20-7.031(3)], General Criteria shall be applicable to all waters of the state at all times including mixing zones. Additionally, [40 CFR 122.44(d)(1)] directs the Department to establish in each NPDES permit to include conditions to achieve water quality established under Section 303 of the Clean Water Act, including State narrative criteria for water quality.

WHOLE EFFLUENT TOXICITY (WET) TEST:

A WET test is a quantifiable method of determining if a discharge from a facility may be causing toxicity to aquatic life by itself, in combination with or through synergistic responses when mixed with receiving stream water.

Not Applicable; At this time, the permittee is not required to conduct WET test for this facility.

303(d) LIST & TOTAL MAXIMUM DAILY LOAD (TMDL):

Section 303(d) of the federal Clean Water Act requires that each state identify waters that are not meeting water quality standards and for which adequate water pollution controls have not been required. Water quality standards protect such beneficial uses of water as whole body contact (such as swimming), maintaining fish and other aquatic life, and providing drinking water for people, livestock and wildlife. The 303(d) list helps state and federal agencies keep track of waters that are impaired but not addressed by normal water pollution control programs.

Not Applicable; This facility does not discharge to a 303(d) listed stream.

Part V – Effluent Limits Determination

Outfall #001 – Stormwater and Process Water Outfall

Effluent limitations derived and established in the below Effluent Limitations Table are based on current operations of the facility. Future permit action due to facility modification may contain new operating permit terms and conditions that supersede the terms and conditions, including effluent limitations, of this operating permit.

EFFLUENT LIMITATIONS TABLE:

PARAMETER	UNIT	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MODIFIED	PREVIOUS PERMIT LIMITATIONS
FLOW	GPD	*		*	No	
COD	MG/L	*		*	No	
TSS	MG/L	30		15	No	
SETTLABLE SOLIDS	ML/L/HR	1.0		0.5	No	
pH	SU	6.5-9.0		6.5-9.0	No	
OIL & GREASE (MG/L)	MG/L	15		10	No	
PRECIPITATION	inches	*		*	No	
IRON, TOTAL RECOVERABLE	µg/L	*		*	No	

* - Monitoring requirement only.

OUTFALL #001 – DERIVATION AND DISCUSSION OF LIMITS:

- **Flow.** In accordance with [40 CFR Part 122.44(i)(1)(ii)] the volume of effluent discharged from each outfall is needed to assure compliance with permitted effluent limitations. If the permittee is unable to obtain effluent flow, then it is the responsibility of the permittee to inform the Department, which may require the submittal of an operating permit modification.
- **Chemical Oxygen Demand (COD).** Staff permit writer’s best professional judgment (BPJ) indicates that any potential impairment with oxygen demand will be determined through the COD monitoring. Because the discharge is related to concrete manufacturing, the permittee will not be required to monitor for biochemical oxygen demand (BOD). Data will be reviewed during the following permit renewal to determine if final effluent limitations will be required to be protective of general water quality in the receiving stream.
- **Total Suspended Solids (TSS).** In accordance with 10 CSR 20-7.015(4), discharges to losing streams shall not exceed an Average Monthly Limit of 15 mg/L or a Weekly Average Limit of 20 mg/L. Because the discharge being influenced by stormwater, the permit writer has utilized BPJ to replace the Weekly Average Limit with a Maximum Daily Limit. These limits have been deemed protective of general water quality and the facility is capable of meeting these requirements.
- **Settleable Solids.** These solids shall be settled at a minimum rate of 1.0 mL/L/hr on a daily basis and 0.5 mL/L/hr on an average monthly basis.
- **Oil & Grease.** Conventional pollutant, effluent limitation for protection of aquatic life; 10 mg/L monthly average, 15 mg/L daily maximum. Due to the nature of the discharge including truck wash wastewater, the wastewater has a potential to contain oils or petroleum related constituents that could have negative impacts on the receiving stream.
- **Precipitation.** The frequency of discharge from this outfall is influenced by precipitation events; therefore, the amount of daily rainfall is needed to determine how often the facility discharges.
- **Iron, Total Recoverable.** It is the permit writer’s BPJ to add monitoring for this parameter. In accordance with the EPA’s Multi-Sector General Permit (MSGP) Subpart E – Subsector E – Glass, Clay, Cement, Concrete, and Gypsum Products, Subsector E2, a benchmark of 1,000 µg/L has been established in the permit. Therefore, the permit writer is requiring monitoring to obtain data to be reviewed during the following renewal to determine if the facility has reasonable potential to impair the receiving stream; thus requiring final effluent limitations.
- **pH.** – 6.5-9.0 SU. pH is addressed in two main sections of the Missouri Clean Water Law that influence permit parameters. In accordance with 10 CSR 20-7.015(4)(A)2., pH shall be maintained in the range of 6.0-9.0 standard pH units. In accordance with 10 CSR 20-7.031(5)(E), water contaminants shall not cause pH to be outside of the range of 6.5 -9.0 standard pH units. However, 40 CFR 122.44(b)(1) and 40 CFR 122.44(d) require that the permit contain the most stringent requirement for a parameter. Therefore, the facility shall be required to maintain a range of 6.5-9.0 standard pH units.

Outfall #002 – Stormwater and Process Water Outfall

Effluent limitations derived and established in the below Effluent Limitations Table are based on current operations of the facility. Future permit action due to facility modification may contain new operating permit terms and conditions that supersede the terms and conditions, including effluent limitations, of this operating permit.

Because the discharge is stormwater and process water from Wash Bay 2 with contact to the industrial site, this outfall will have the same parameter testing as Outfall #001. A separate table has been established in the permit.

EFFLUENT LIMITATIONS TABLE:

PARAMETER	UNIT	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MODIFIED	PREVIOUS PERMIT LIMITATIONS
FLOW	GPD	*		*	No	
COD	MG/L	*		*	No	
TSS	MG/L	30		15	No	
SETTLABLE SOLIDS	ML/L/HR	1.0		0.5	No	
pH	SU	6.5-9.0		6.5-9.0	No	
OIL & GREASE (MG/L)	MG/L	15		10	No	
PRECIPITATION	inches	*		*	No	
IRON, TOTAL RECOVERABLE	µg/L	*		*	No	

* - Monitoring requirement only.

OUTFALL #002 – DERIVATION AND DISCUSSION OF LIMITS:

- **Flow.** In accordance with [40 CFR Part 122.44(i)(1)(ii)] the volume of effluent discharged from each outfall is needed to assure compliance with permitted effluent limitations. If the permittee is unable to obtain effluent flow, then it is the responsibility of the permittee to inform the Department, which may require the submittal of an operating permit modification.
- **Chemical Oxygen Demand (COD).** Staff permit writer’s best professional judgment (BPJ) indicates that any potential impairment with oxygen demand will be determined through the COD monitoring. Because the discharge is related to concrete manufacturing, the permittee will not be required to monitor for biochemical oxygen demand (BOD). Data will be reviewed during the following permit renewal to determine if final effluent limitations will be required to be protective of general water quality in the receiving stream.
- **Total Suspended Solids (TSS).** In accordance with 10 CSR 20-7.015(4), discharges to losing streams shall not exceed an Average Monthly Limit of 15 mg/L or a Weekly Average Limit of 20 mg/L. Because the discharge being influenced by stormwater, the permit writer has utilized BPJ to replace the Weekly Average Limit with a Maximum Daily Limit. These limits have been deemed protective of general water quality and the facility is capable of meeting these requirements.
- **Settleable Solids.** These solids shall be settled at a minimum rate of 1.0 mL/L/hr on a daily basis and 0.5 mL/L/hr on an average monthly basis.
- **Oil & Grease.** Conventional pollutant, effluent limitation for protection of aquatic life; 10 mg/L monthly average, 15 mg/L daily maximum. Due to the nature of the discharge including truck wash wastewater, the wastewater has a potential to contain oils or petroleum related constituents that could have negative impacts on the receiving stream.
- **Precipitation.** The frequency of discharge from this outfall is influenced by precipitation events; therefore, the amount of daily rainfall is needed to determine how often the facility discharges.
- **Iron, Total Recoverable.** It is the permit writer’s BPJ to add monitoring for this parameter. In accordance with the EPA’s Multi-Sector General Permit (MSGP) Subpart E – Subsector E – Glass, Clay, Cement, Concrete, and Gypsum Products, Subsector E2, a benchmark of 1,000 µg/L has been established in the permit. Therefore, the permit writer is requiring monitoring to obtain data to be reviewed during the following renewal to determine if the facility has reasonable potential to impair the receiving stream; thus requiring final effluent limitations.
- **pH.** – 6.5-9.0 SU. pH is addressed in two main sections of the Missouri Clean Water Law that influence permit parameters. In accordance with 10 CSR 20-7.015(4)(A)2., pH shall be maintained in the range of 6.0-9.0 standard pH units. In accordance with 10 CSR 20-7.031(5)(E), water contaminants shall not cause pH to be outside of the range of 6.5 -9.0 standard pH units. However, 40 CFR 122.44(b)(1) and 40 CFR 122.44(d) require that the permit contain the most stringent requirement for a parameter. Therefore, the facility shall be required to maintain a range of 6.5-9.0 standard pH units.

Minimum Sampling and Reporting Frequency Requirements.

PARAMETER	SAMPLING FREQUENCY	REPORTING FREQUENCY
Flow	once/quarter	once/quarter
COD	once/quarter	once/quarter
TSS	once/quarter	once/quarter
pH	once/quarter	once/quarter
Settleable Solids	once/quarter	once/quarter
<i>Precipitation</i>	once/quarter	once/quarter
Total Recoverable Iron	once/quarter	once/quarter
Oil & Grease	once/quarter	once/quarter

Sampling Frequency Justification:

Sampling and Reporting Frequency was determined based demonstration of effective BMPs at the facility that should be designed to meet the permitted parameters during rainfall event up to the 10-year, 24-hour rain event.

Sampling Type Justification:

As per sample types that are reasonable during rainfall event up to the 10-year, 24-hour rain event.

Part IV– Administrative Requirements

On the basis of preliminary staff review and the application of applicable standards and regulations, the Department, as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions contained herein and within the operating permit. The proposed determinations are tentative pending public comment.

PERMIT SYNCHRONIZATION:

The Department of Natural Resources is currently undergoing a synchronization process for operating permits. Permits are normally issued on a five-year term, but to achieve synchronization many permits will need to be issued for less than the full five years allowed by regulation. The intent is that all permits within a watershed will move through the Watershed Based Management (WBM) cycle together will all expire in the same fiscal year. This will allow further streamlining by placing multiple permits within a smaller geographic area on public notice simultaneously, thereby reducing repeated administrative efforts. This will also allow the department to explore a watershed based permitting effort at some point in the future. Renewal applications must continue to be submitted within 180 days of expiration, however, in instances where effluent data from the previous renewal is less than three years old, that data may be re-submitted to meet the requirements of the renewal application. If the permit provides a schedule of compliance for meeting new water quality based effluent limits beyond the expiration date of the permit, the time remaining in the schedule of compliance will be allotted in the renewed permit.

PUBLIC NOTICE:

The Department shall give public notice that a draft permit has been prepared and its issuance is pending. Additionally, public notice will be issued if a public hearing is to be held because of a significant degree of interest in and water quality concerns related to a draft permit. No public notice is required when a request for a permit modification or termination is denied; however, the requester and permittee must be notified of the denial in writing.

The Department must issue public notice of a pending operating permit or of a new or reissued statewide general permit. The public comment period is the length of time not less than 30 days following the date of the public notice which interested persons may submit written comments about the proposed permit.

For persons wanting to submit comments regarding this proposed operating permit, then please refer to the Public Notice page located at the front of this draft operating permit. The Public Notice page gives direction on how and where to submit appropriate comments.

- The Public Notice period for this operating permit was from 09/20/2014 to 10/20/2014. No responses were received.

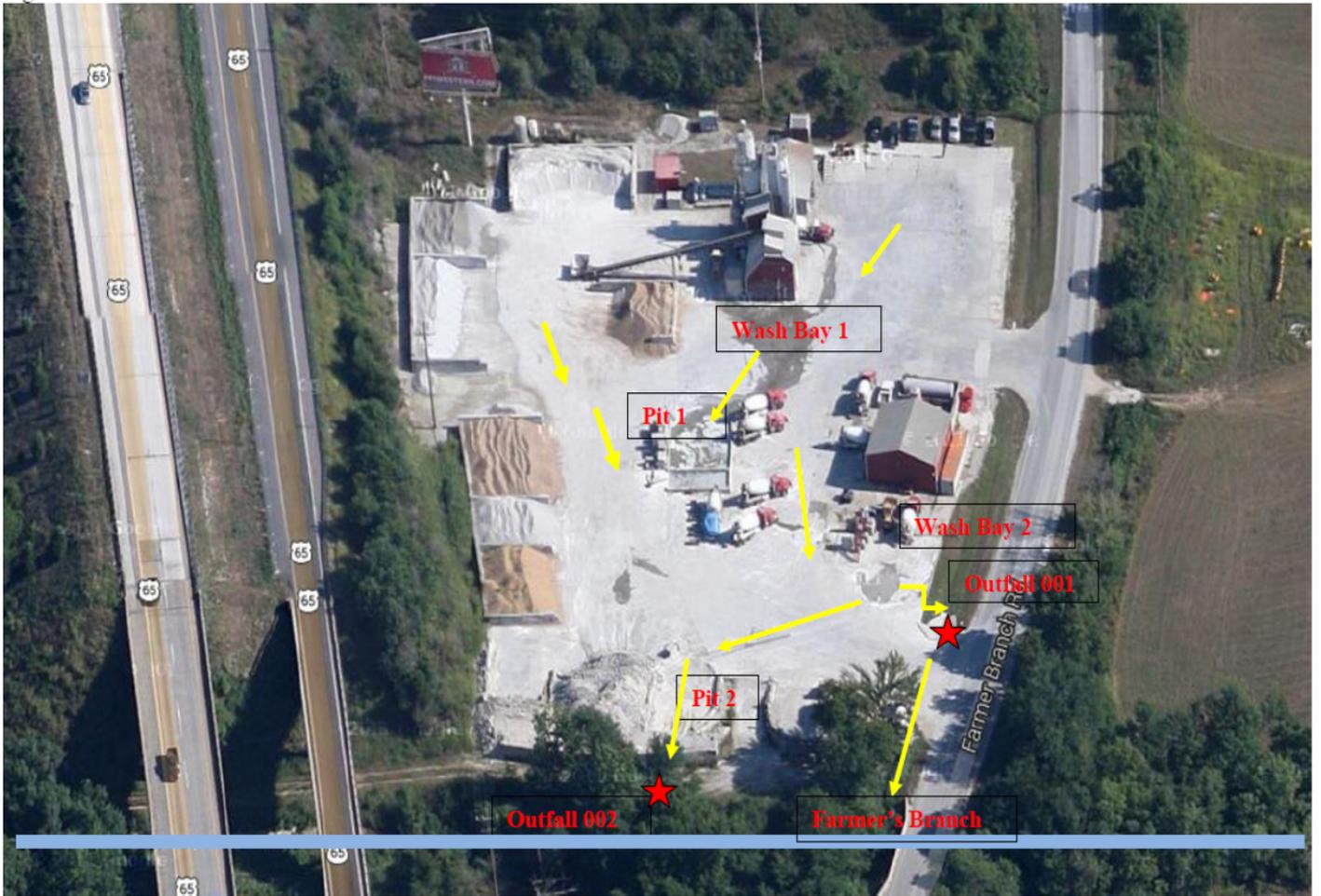
DATE OF FACT SHEET: AUGUST 27, 2014

COMPLETED BY:

**TODD BLANC, ENVIRONMENT SPECIALIST
MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
PERMIT WRITTEN FOR THE OPERATING PERMITS SECTION - INDUSTRIAL UNIT
(314) 416-2064
todd.blanc@dnr.mo.gov**

APPENDIX A – Map, facility, layout, and flow diagram

Figure 1





STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION
REVISED
AUGUST 1, 2014

These Standard Conditions incorporate permit conditions as required by 40 CFR 122.41 or other applicable state statutes or regulations. These minimum conditions apply unless superseded by requirements specified in the permit.

Part I – General Conditions

Section A – Sampling, Monitoring, and Recording

1. **Sampling Requirements.**
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - b. All samples shall be taken at the outfall(s) or Missouri Department of Natural Resources (Department) approved sampling location(s), and unless specified, before the effluent joins or is diluted by any other body of water or substance.
2. **Monitoring Requirements.**
 - a. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The individual(s) who performed the sampling or measurements;
 - iii. The date(s) analyses were performed;
 - iv. The individual(s) who performed the analyses;
 - v. The analytical techniques or methods used; and
 - vi. The results of such analyses.
 - b. If the permittee monitors any pollutant more frequently than required by the permit at the location specified in the permit using test procedures approved under 40 CFR Part 136, or another method required for an industry-specific waste stream under 40 CFR subchapters N or O, the results of such monitoring shall be included in the calculation and reported to the Department with the discharge monitoring report data (DMR) submitted to the Department pursuant to Section B, paragraph 7.
3. **Sample and Monitoring Calculations.** Calculations for all sample and monitoring results which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in the permit.
4. **Test Procedures.** The analytical and sampling methods used shall conform to the reference methods listed in 10 CSR 20-7.015 unless alternates are approved by the Department. The facility shall use sufficiently sensitive analytical methods for detecting, identifying, and measuring the concentrations of pollutants. The facility shall ensure that the selected methods are able to quantify the presence of pollutants in a given discharge at concentrations that are low enough to determine compliance with Water Quality Standards in 10 CSR 20-7.031 or effluent limitations unless provisions in the permit allow for other alternatives. A method is “sufficiently sensitive” when; 1) the method minimum level is at or below the level of the applicable water quality criterion for the pollutant or, 2) the method minimum level is above the applicable water quality criterion, but the amount of pollutant in a facility’s discharge is high enough that the method detects and quantifies the level of pollutant in the discharge, or 3) the method has the lowest minimum level of the analytical methods approved under 10 CSR 20-7.015. These methods are also required for parameters that are listed as monitoring only, as the data collected may be used to determine if limitations need to be established. A permittee is responsible for working with their contractors to ensure that the analysis performed is sufficiently sensitive.
5. **Record Retention.** Except for records of monitoring information required by the permit related to the permittee’s sewage sludge use and disposal activities, which shall be retained for a period of at least five (5) years (or longer as required by 40 CFR part 503), the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the application for the permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

6. **Illegal Activities.**
 - a. The Federal Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under the permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than two (2) years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than four (4) years, or both.
 - b. The Missouri Clean Water Law provides that any person or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained pursuant to sections 644.006 to 644.141 shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than six (6) months, or by both. Second and successive convictions for violation under this paragraph by any person shall be punished by a fine of not more than \$50,000 per day of violation, or by imprisonment for not more than two (2) years, or both.

Section B – Reporting Requirements

1. **Planned Changes.**
 - a. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility when:
 - i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b); or
 - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR 122.42(a)(1);
 - iii. The alteration or addition results in a significant change in the permittee’s sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan;
 - iv. Any facility expansions, production increases, or process modifications which will result in a new or substantially different discharge or sludge characteristics must be reported to the Department 60 days before the facility or process modification begins. Notification may be accomplished by application for a new permit. If the discharge does not violate effluent limitations specified in the permit, the facility is to submit a notice to the Department of the changed discharge at least 30 days before such changes. The Department may require a construction permit and/or permit modification as a result of the proposed changes at the facility.
2. **Non-compliance Reporting.**
 - a. The permittee shall report any noncompliance which may endanger health or the environment. Relevant information shall be provided orally or via the current electronic method approved by the Department, within 24 hours from the time the permittee becomes aware of the circumstances, and shall be reported to the appropriate Regional Office during normal business hours or the Environmental Emergency Response hotline at 573-634-2436 outside of normal business hours. A written submission shall also be provided within five (5) business days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.



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- b. The following shall be included as information which must be reported within 24 hours under this paragraph.
 - i. Any unanticipated bypass which exceeds any effluent limitation in the permit.
 - ii. Any upset which exceeds any effluent limitation in the permit.
 - iii. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit required to be reported within 24 hours.
 - c. The Department may waive the written report on a case-by-case basis for reports under paragraph 2. b. of this section if the oral report has been received within 24 hours.
3. **Anticipated Noncompliance.** The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The notice shall be submitted to the Department 60 days prior to such changes or activity.
 4. **Compliance Schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date. The report shall provide an explanation for the instance of noncompliance and a proposed schedule or anticipated date, for achieving compliance with the compliance schedule requirement.
 5. **Other Noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs 2, 3, and 6 of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph 2. a. of this section.
 6. **Other Information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information.
 7. **Discharge Monitoring Reports.**
 - a. Monitoring results shall be reported at the intervals specified in the permit.
 - b. Monitoring results must be reported to the Department via the current method approved by the Department, unless the permittee has been granted a waiver from using the method. If the permittee has been granted a waiver, the permittee must use forms provided by the Department.
 - c. Monitoring results shall be reported to the Department no later than the 28th day of the month following the end of the reporting period.
- b. Notice.
 - i. Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least 10 days before the date of the bypass.
 - ii. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Section B – Reporting Requirements, paragraph 5 (24-hour notice).
 - c. Prohibition of bypass.
 - i. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless:
 1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 3. The permittee submitted notices as required under paragraph 2. b. of this section.
 - ii. The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three (3) conditions listed above in paragraph 2. c. i. of this section.
3. **Upset Requirements.**
 - a. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph 3. b. of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
 - b. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - i. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - ii. The permitted facility was at the time being properly operated; and
 - iii. The permittee submitted notice of the upset as required in Section B – Reporting Requirements, paragraph 2. b. ii. (24-hour notice).
 - iv. The permittee complied with any remedial measures required under Section D – Administrative Requirements, paragraph 4.
 - c. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

Section C – Bypass/Upset Requirements

1. **Definitions.**
 - a. *Bypass*: the intentional diversion of waste streams from any portion of a treatment facility, except in the case of blending.
 - b. *Severe Property Damage*: substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
 - c. *Upset*: an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
2. **Bypass Requirements.**
 - a. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2. b. and 2. c. of this section.

Section D – Administrative Requirements

1. **Duty to Comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Missouri Clean Water Law and Federal Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.
 - a. The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Federal Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the CWA within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
 - b. The Federal Clean Water Act provides that any person who violates section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed \$25,000 per day for each violation. The Federal Clean Water Act provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement



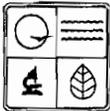
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- imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than one (1) year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than two (2) years, or both. Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than three (3) years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than six (6) years, or both. Any person who knowingly violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions.
- c. Any person may be assessed an administrative penalty by the EPA Director for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$10,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$25,000. Penalties for Class II violations are not to exceed \$10,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$125,000.
- d. It is unlawful for any person to cause or permit any discharge of water contaminants from any water contaminant or point source located in Missouri in violation of sections 644.006 to 644.141 of the Missouri Clean Water Law, or any standard, rule or regulation promulgated by the commission. In the event the commission or the director determines that any provision of sections 644.006 to 644.141 of the Missouri Clean Water Law or standard, rules, limitations or regulations promulgated pursuant thereto, or permits issued by, or any final abatement order, other order, or determination made by the commission or the director, or any filing requirement pursuant to sections 644.006 to 644.141 of the Missouri Clean Water Law or any other provision which this state is required to enforce pursuant to any federal water pollution control act, is being, was, or is in imminent danger of being violated, the commission or director may cause to have instituted a civil action in any court of competent jurisdiction for the injunctive relief to prevent any such violation or further violation or for the assessment of a penalty not to exceed \$10,000 per day for each day, or part thereof, the violation occurred and continues to occur, or both, as the court deems proper. Any person who willfully or negligently commits any violation in this paragraph shall, upon conviction, be punished by a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both. Second and successive convictions for violation of the same provision of this paragraph by any person shall be punished by a fine of not more than \$50,000 per day of violation, or by imprisonment for not more than two (2) years, or both.
2. **Duty to Reapply.**
- a. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.
- b. A permittee with a currently effective site-specific permit shall submit an application for renewal at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Department. (The Department shall not grant permission for applications to be submitted later than the expiration date of the existing permit.)
- c. A permittee with currently effective general permit shall submit an application for renewal at least 30 days before the existing permit expires, unless the permittee has been notified by the Department that an earlier application must be made. The Department may grant permission for a later submission date. (The Department shall not grant permission for applications to be submitted later than the expiration date of the existing permit.)
3. **Need to Halt or Reduce Activity Not a Defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
4. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
5. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.
6. **Permit Actions.**
- a. Subject to compliance with statutory requirements of the Law and Regulations and applicable Court Order, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
- i. Violations of any terms or conditions of this permit or the law;
- ii. Having obtained this permit by misrepresentation or failure to disclose fully any relevant facts;
- iii. A change in any circumstances or conditions that requires either a temporary or permanent reduction or elimination of the authorized discharge; or
- iv. Any reason set forth in the Law or Regulations.
- b. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
7. **Permit Transfer.**
- a. Subject to 10 CSR 20-6.010, an operating permit may be transferred upon submission to the Department of an application to transfer signed by the existing owner and the new owner, unless prohibited by the terms of the permit. Until such time the permit is officially transferred, the original permittee remains responsible for complying with the terms and conditions of the existing permit.
- b. The Department may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Missouri Clean Water Law or the Federal Clean Water Act.
- c. The Department, within 30 days of receipt of the application, shall notify the new permittee of its intent to revoke or reissue or transfer the permit.
8. **Toxic Pollutants.** The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Federal Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the Federal Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
9. **Property Rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.



STANDARD CONDITIONS FOR NPDES PERMITS
ISSUED BY
THE MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION
REVISED
AUGUST 1, 2014

10. **Duty to Provide Information.** The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.
11. **Inspection and Entry.** The permittee shall allow the Department, or an authorized representative (including an authorized contractor acting as a representative of the Department), upon presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Federal Clean Water Act or Missouri Clean Water Law, any substances or parameters at any location.
12. **Closure of Treatment Facilities.**
 - a. Persons who cease operation or plan to cease operation of waste, wastewater, and sludge handling and treatment facilities shall close the facilities in accordance with a closure plan approved by the Department.
 - b. Operating Permits under 10 CSR 20-6.010 or under 10 CSR 20-6.015 are required until all waste, wastewater, and sludges have been disposed of in accordance with the closure plan approved by the Department and any disturbed areas have been properly stabilized. Disturbed areas will be considered stabilized when perennial vegetation, pavement, or structures using permanent materials cover all areas that have been disturbed. Vegetative cover, if used, shall be at least 70% plant density over 100% of the disturbed area.
13. **Signatory Requirement.**
 - a. All permit applications, reports required by the permit, or information requested by the Department shall be signed and certified. (See 40 CFR 122.22 and 10 CSR 20-6.010)
 - b. The Federal Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six (6) months per violation, or by both.
 - c. The Missouri Clean Water Law provides that any person who knowingly makes any false statement, representation or certification in any application, record, report, plan, or other document filed or required to be maintained pursuant to sections 644.006 to 644.141 shall, upon conviction, be punished by a fine of not more than ten thousand dollars, or by imprisonment for not more than six months, or by both.
14. **Severability.** The provisions of the permit are severable, and if any provision of the permit, or the application of any provision of the permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit, shall not be affected thereby.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM, WATER POLLUTION CONTROL BRANCH
**FORM A - APPLICATION FOR CONSTRUCTION OR OPERATING PERMIT
 UNDER MISSOURI CLEAN WATER LAW**

AP 15572

FOR AGENCY USE ONLY	
CHECK NUMBER	
DATE RECEIVED	FEE SUBMITTED
5/24/13	0



Note ▶ PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM.

1. This application is for:

- An operating permit and antidegradation review public notice
- A construction permit following an appropriate operating permit and antidegradation review public notice
- A construction permit and concurrent operating permit and antidegradation review public notice
- A construction permit (submitted before Aug. 30, 2008 or antidegradation review is not required)
- An operating permit for a new or unpermitted facility Construction Permit # _____
- An operating permit renewal: permit # MO-G490334 Expiration Date Oct 5, 2016
- An operating permit modification: permit # MO-G480334 Reason: 300 ft of losing water wgt

1.1 Is the appropriate fee included with the application? (See instructions for appropriate fee) YES NO

2. FACILITY

NAME		TELEPHONE WITH AREA CODE	
City Wide Construction Products		417-831-4616	
ADDRESS (PHYSICAL)		CITY	STATE ZIP CODE
1817 Farmer Branch Road		Ozark, MO	MO 65721

3. OWNER

NAME		E-MAIL ADDRESS	TELEPHONE WITH AREA CODE
Mr. Smith Calhoun			
ADDRESS (MAILING)		CITY	STATE ZIP CODE
1948 NW Bypass		Springfield	MO 65803

3.1 Request review of draft permit prior to public notice? YES NO

4. CONTINUING AUTHORITY

NAME		TELEPHONE WITH AREA CODE	
Mr. David Calhoun			
ADDRESS (MAILING)		CITY	STATE ZIP CODE
1948 NW Bypass		Springfield	MO 65803

5. OPERATOR

NAME		CERTIFICATE NUMBER	TELEPHONE WITH AREA CODE
ADDRESS (MAILING)		CITY	STATE ZIP CODE

6. FACILITY CONTACT

NAME		TITLE	TELEPHONE WITH AREA CODE
Aaron Harless		Manager	417-831-4616
			FAX

7. ADDITIONAL FACILITY INFORMATION

7.1 Legal Description of Outfalls. (Attach additional sheets if necessary.)

001 _____ 1/4 _____ 1/4 _____ Sec _____ T _____ R _____ County _____
 UTM Coordinates Easting (X): 479532 Northing (Y): 4105016
 For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

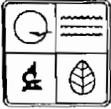
002 _____ 1/4 _____ 1/4 _____ Sec _____ T _____ R _____ County _____
 UTM Coordinates Easting (X): 479489 Northing (Y): 410520

003 _____ 1/4 _____ 1/4 _____ Sec _____ T _____ R _____ County _____
 UTM Coordinates Easting (X): _____ Northing (Y): _____

004 _____ 1/4 _____ 1/4 _____ Sec _____ T _____ R _____ County _____
 UTM Coordinates Easting (X): _____ Northing (Y): _____

7.2 Primary Standard Industrial Classification (SIC) and Facility North American Industrial Classification System (NAICS) Codes.

001 - SIC 1422 and NAICS _____ 002 - SIC N22 and NAICS _____
 003 - SIC _____ and NAICS _____ 004 - SIC _____ and NAICS _____



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM, WATER POLLUTION BRANCH
FORM C - APPLICATION FOR DISCHARGE PERMIT -
MANUFACTURING, COMMERCIAL, MINING,
SILVICULTURE OPERATIONS, PROCESS & STORM WATER

FOR AGENCY USE ONLY

CHECK NO.

DATE RECEIVED

FEE SUBMITTED

5-24-13

-0-

SS.

TE: DO NOT ATTEMPT TO COMPLETE THIS FORM BEFORE READING THE ACCOMPANYING INSTRUCTIONS

1.00 NAME OF FACILITY

City wide Construction Products

1.10 THIS FACILITY IS NOW IN OPERATION UNDER MISSOURI OPERATING PERMIT NUMBER

MO-6490334

1.20 THIS IS A NEW FACILITY AND WAS CONSTRUCTED UNDER MISSOURI CONSTRUCTION PERMIT NUMBER (COMPLETE ONLY IF THIS FACILITY DOES NOT HAVE AN OPEN PERMIT).

2.00 LIST THE STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES APPLICABLE TO YOUR FACILITY (FOUR DIGIT CODE)

A. FIRST 1422 B. SECOND _____
 C. THIRD _____ D. FOURTH _____



2.10 FOR EACH OUTFALL GIVE THE LEGAL DESCRIPTION.

OUTFALL NUMBER (LIST) NE 1/4 NE 1/4 SEC 33 T 28N R 21W Christian COUNTY

2.20 FOR EACH OUTFALL LIST THE NAME OF THE RECEIVING WATER

OUTFALL NUMBER (LIST) 001 002
 RECEIVING WATER Former branch / James River
Former branch / James River

2.30 BRIEFLY DESCRIBE THE NATURE OF YOUR BUSINESS

Ready mix concrete / mixing / delivery

2.40 CONTINUED

C. EXCEPT FOR STORM RUNOFF, LEAKS OR SPILLS, ARE ANY OF THE DISCHARGES DESCRIBED IN ITEMS A OR B INTERMITTENT OR SEASONAL?

YES (COMPLETE THE FOLLOWING TABLE) NO (GO TO SECTION 2.50)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				C. DURATION (in days)
		A. DAYS PER WEEK (specify average)	B. MONTHS PER YEAR (specify average)	A. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	4. LONG TERM DAILY	3. MAXIMUM AVERAGE	



2.50 MAXIMUM PRODUCTION

A. DOES AN EFFLUENT GUIDELINE LIMITATION PROMULGATED BY EPA UNDER SECTION 304 OF THE CLEAN WATER ACT APPLY TO YOUR FACILITY?

YES (COMPLETE B.) NO (GO TO SECTION 2.60)

B. ARE THE LIMITATIONS IN THE APPLICABLE EFFLUENT GUIDELINES EXPRESSED IN TERMS OF PRODUCTION (OF OTHER MEASURE OF OPERATION)?

YES (COMPLETE c.) NO (GO TO SECTION 2.60)

C. IF YOU ANSWERED "YES" TO B. LIST THE QUANTITY THAT REPRESENTS AN ACTUAL MEASUREMENT OF YOUR MAXIMUM LEVEL OF PRODUCTION, EXPRESSED IN THE TERMS AND UNITS USED IN THE APPLICABLE EFFLUENT GUIDELINE AND INDICATE THE AFFECTED OUTFALLS.

1. MAXIMUM QUANTITY			2. AFFECTED OUTFALLS (list outfall numbers)
A. QUANTITY PER DAY	B. UNITS OF MEASURE	C. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	

2.60 IMPROVEMENTS

A. ARE YOU NOW REQUIRED BY ANY FEDERAL, STATE OR LOCAL AUTHORITY TO MEET, ANY IMPLEMENTATION SCHEDULE FOR THE CONSTRUCTION, UPGRADING OR OPERATION OF WASTEWATER TREATMENT EQUIPMENT OR PRACTICES OR ANY OTHER ENVIRONMENTAL PROGRAMS THAT MAY AFFECT THE DISCHARGES DESCRIBED IN THIS APPLICATION? THIS INCLUDES, BUT IS NOT LIMITED TO, PERMIT CONDITIONS, ADMINISTRATIVE OR ENFORCEMENT ORDERS, ENFORCEMENT COMPLIANCE SCHEDULE LETTERS, STIPULATIONS, COURT ORDERS AND GRANT OR LOAN CONDITIONS.

YES (COMPLETE THE FOLLOWING TABLE) NO (GO TO 3.00)

1. IDENTIFICATION OF CONDITION AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
				A. REQUIRED	B. PROJECTED

B. OPTIONAL: YOU MAY ATTACH ADDITIONAL SHEETS DESCRIBING ANY ADDITIONAL WATER POLLUTION CONTROL PROGRAMS (OR OTHER ENVIRONMENTAL PROJECTS THAT MAY AFFECT YOUR DISCHARGES) YOU NOW HAVE UNDER WAY OR ARE YOU PLANNING. INDICATE WHETHER EACH PROGRAM IS NOW UNDER WAY OR PLANNED, AND INDICATE YOUR ACTUAL OR PLANNED SCHEDULES FOR CONSTRUCTION.

MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED.

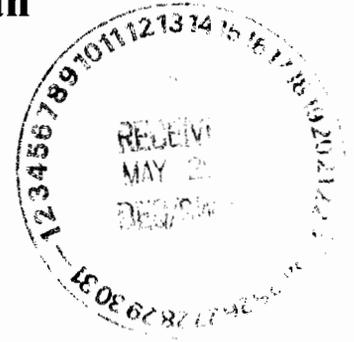
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. BELIEVED PRESENT	B. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE (if available)		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVRG. VALUE (if available)		D. NO. OF ANALYSES	A. CONCEN- TRATION	B. MASS	A. LONG TERM AVRG. VALUE		B. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
G. Nitrogen Total Organic (as N)		✓												
H. Oil and Grease		✓												
I. Phosphorus (as P) Total (7723-14-0)		✓												
J. Sulfate (as SO ⁴) (14808-79-8)		✓												
K. Sulfide (as S)		✓												
L. Sulfite (as SO ³) (14265-45-3)		✓												
M. Surfactants		✓												
N. Aluminum Total (7429-90-5)		✓												
O. Barium Total (7440-39-3)		✓												
P. Boron Total (7440-42-8)		✓												
Q. Cobalt Total (7440-48-4)		✓												
R. Iron Total (7439-89-6)		✓												
S. Magnesium Total (7439-95-4)		✓												
T. Molybdenum Total (7439-98-7)		✓												
U. Manganese Total (7439-96-5)		✓												
V. Tin Total (7440-31-5)		✓												
W. Titanium Total (7440-32-6)		✓												



Storm water Pollution Prevention Plan

For:

City Wide Construction Products
1817 North Farmer Branch Rd
Ozark, Mo 65721



Operator(s):

Same as above

Stormwater Manager and SWPPP Contact(s):

Aaron Harless

SWPPP Preparation Date:

12-28-2011
Reviewed date: 5-9-2013

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SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project Information:

Project/Site Name: City Wide Construction Products

Project Street/Location: 1817 North Farmer Branch

City: Ozark State: Missouri Zip Code: 65721

County or Similar Subdivision: Christian

Latitude/Longitude (Use **one** of three possible formats, and specify method)

N1/2,Ne1/4,SEC33,T28N, R24W Christian county

Method for determining latitude/longitude:

USGS topographic map (specify scale: _____) EPA Web site GPS

Other (please specify): Google Earth

Is the project located in Indian country? Yes No

Is this project considered a federal facility? Yes No

NPDES project or permit tracking number: MO-G490334



1.2 Contact Information/Responsible Parties

Project Information:

Operator(s):

Smith Calhoun
1948 N West Bypass, Springfield, MO 65803

Project Manager(s) or Site Supervisor(s):

~~Don Shuler~~ Aaron Horless
1817 North Farmer Branch RD
Ozark, Missouri 65721

Stormwater Manager and SWPPP Contact(s):

~~Don Shuler~~ Aaron Horless
1817 North Farmer Branch RD
Ozark, Missouri 65721
417 881 0013

This SWPPP Was Prepared By:

Brian Thompson
Summit safety Group
P.O. Box 3029
Springfield, Missouri 65803
417-823-7233
417-823-8988

Subcontractor(s):

None on site at this time.

Emergency 24 hour contact:

~~Don Shuler~~ Aaron Horless
417-881-0013



1.3 Nature and Sequence of Construction Activity

Project Information:

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Project Information:

Soil type(s):

- **Impervious with partial concrete and packed gravel.**

Slopes (describe current slopes and note any changes due to grading or fill activities):

- **Slightly slopping to the south south east.**

Drainage Patterns (describe current drainage patterns and note any changes dues to grading or fill activities):

- **Drainage follows slopping patterns from entire sight to the out fall 001 with major rain events spilling to the east (outfall 002)**

Vegetation:

- **Property outline is covered (surrounded) by 6 to 18 inches of natural growth. Few trees are also located on site.**

Other:

- **Small dry stream (naturally occurring) is the only sign of erosion on property.**



1.5 Construction Site Estimates

No Construction is planned at this time. This area has been added for future activity is so occurring or planned.

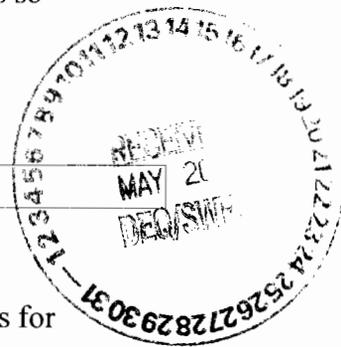
1.6 Receiving Waters

Project Information:

Description of receiving waters: Unnamed tributary to North Brach of farmers creek

Description of storm sewer systems: Storm water is captured in one of 3 retaining pits for settlement, than a lauded to flow naturally.

Description of impaired waters or waters subject to TMDLs: None known at this time.



1.7 Site Features and Sensitive Areas to be protected

Instructions:

- Describe unique site features including streams, stream buffers, wetlands, specimen trees, natural vegetation, steep slopes, or highly erodible soils that are to be preserved.
- Describe measures to protect these features.
- Include these features and areas on your site maps.
- For more information, see SWPPP Guide, Chapter 3.A. and 3.B. for more information

Project Information:

Description of unique features and measures to protect them:

- The tributary is of the most concern, 3 large concrete pits have been added in-line to allow for settlement of dust and debris from the day to day operations. These aforementioned pits are cleaned out as needed and function well. Outfall 002 has seen very little to no use but will be monitored and like actions taken as needed.

1.8 Potential Sources of Pollution

Potentials sources of sediment to stormwater runoff:

- Day to day operation produce lime dust and rock dust from the nature of a concrete manufacturing operation. A very small amount of steel and iron can be found on the ground, but not in settlement pits.

1.8 Potential Sources of Pollution (continued)

Potential pollutants and sources, other than sediment, to stormwater runoff:

- There is a potential for oil and greases from truck traffic to be found in settlement pits. But, with that said this has never been found in sampling.
- Fuels for trucks.



Project Information:

Are endangered or threatened species and critical habitats on or near the project area

- Yes No

Describe how this determination was made: Consulted with local experts in this field and googled any and all endangered or threatened species in the area and found nothing to be concerned about. This operation has been in this area for more than 10 years.

1.11 Maps

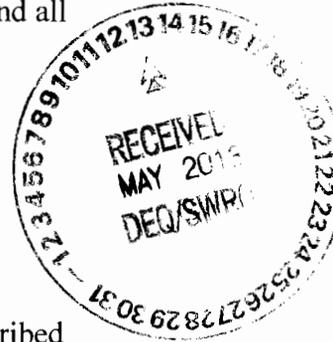
Instructions:

- Attach at least two site maps. The first should show the site and its current features. These maps should include:
 - xxx Direction(s) of stormwater flow and approximate slopes before and after major grading activities
 - Areas and timing of soil disturbance and areas that will not be disturbed
 - Natural features to be preserved
 - xxxx Locations of major structural and non-structural BMPs identified in the SWPPP

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

- Describe the BMPs that will be implemented to control pollutants in stormwater discharges. For each major activity identified:
 - Clearly describe appropriate control measures. The aforementioned settlement pits with forced direction flow of storm water to control any marital that is not wanted to leave property.

- Describe the general sequence during the construction process in which the measures will be implemented. No Construction planned at this time.
- Describe the maintenance and inspection procedures that will be undertaken for that specific BMP. At any time any construction takes place that would have any impact on this program than the SWPPP team will address those issues.
- Include protocols, thresholds, and schedules for cleaning, repairing, or replacing damaged or failing BMPs. The storm water retention pits and control measures are to be monitored, and inspected on a monthly schedule and cleaned as needed. Any and all failing pits will be replaced at once. No repairs will be made!
- Identify staff responsible for maintaining BMPs.
 - Site General Manager
 - Summit Safety Consultant
 - Site Supervisors
 - Maintenance personnel (as needed)



- Categorize each BMP under one of the following 10 areas of BMP activity as described below:
 - 2 *Minimize disturbed area and protect natural features and soil*
 - N/A *Phase Construction Activity*
 - 1 *Control Storm water flowing onto and through the project*
 - 3 *Stabilize Soils*
 - 4 *Protect Slopes*
 - N/A *Protect Storm Drain Inlets*
 - 5 *Establish perimeter controls and sediment barriers*
- Any structural BMPs should have design specifications and details referred to and attached as appendices to the SWPPP. Chris Add design specs as addendum #2

Project Information:

1. Minimize Disturbed Area and Protect Natural Features and Soil:

As construction is planned and before ground is broken the SWPPP team shall describe the areas that will be disturbed with each phase of construction and the methods (signs, fences, etc.) that we will use to protect those areas that should not be disturbed. Describe natural features identified earlier and how each will be protected during construction activity. Also describe how topsoil will be preserved. Include these areas and associated BMPs on your site map(s) also.

- During any and all construction or altering the site Don Shuler shall oversee inspection and maintenance schedules are being complete and that the SWPPP is followed.

2. Control Stormwater Flowing Onto and Through the Project:

Describe structural practices (i.e., diversions, berms, ditches, storage basins) including design specifications and details used to divert flows from exposed soils, retain or detain flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site.

- **BMP Description:** All storm water has been controlled to flow to outfall 001 during a normal rain event. This was done with berms and ditches and flow patterns designed into the construction years ago.
- **Installation Schedule:** As needed.
- **Maintenance and Inspection:** Monthly
- **Responsible Staff:** Listed SWPPP team



3. Protect Slopes:

Describe controls (i.e., erosion control blankets, tackifiers, etc.) including design specifications and details that will be implemented to protect all slopes. (See SWPPP Guide, Chapter 4, ESC Principle 5 for more information.)

- **BMP Description:** Seeding and hydro spraying as required.
- **Installation Schedule:** As needed
- **Maintenance and Inspection:** Monthly
- **Responsible Staff:** Any member of the SWPPP team

***Protect Storm Drain Inlets:***

Describe controls (i.e., inserts, rock-filled bags, or block and gravel, etc.) including design specifications and details that will be implemented to protect all inlets receiving stormwater from the project during the entire duration of the project. (See SWPPP Guide, Chapter 4, and ESC Principle 6 for more information.)

- BMP Description: At any time a construction project jeopardizes the downstream area of DuraKast than covers and sand dykes will be used to prevent unwanted martial from entering the drains. The drains however do flow to the retention pit to ensure nothing leaves the site.

4. Establish perimeter controls and sediment barriers:

Describe structural practices (i.e., silt fences or fiber rolls) including design specifications and details to filter and trap sediment before it leaves the construction site.

- BMP Description: All means will be flowed as recommend when/if construction takes place on this site.

5. Establish Stabilized Construction Exits:

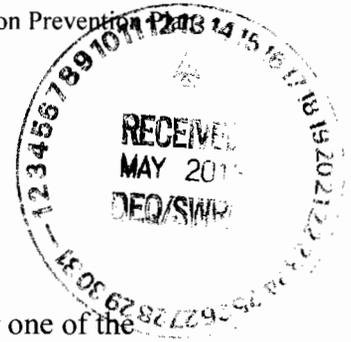
Describe location(s) of vehicle entrance(s) and exit(s), procedures to remove accumulated sediment off-site (i.e., vehicle tracking), and stabilization practices (i.e., stone pads and/or wash racks) to minimize off-site vehicle tracking of sediments and discharges to stormwater.

- BMP Description: All trucks exiting the site will be washed off and water collected in the water retention pits for sediment removal. Trucks entering the site will be required to be sediment free.

6. Additional BMPs:

Describe additional BMPs that may not fit into the above categories.

- BMP Description: Housekeeping and dust control of the site shall be of the utmost concern. The lot shall be swept 3 times a week and large rock, concrete chippings and debris shall be cleaned up before the end of working day.,
- Maintenance and Inspection: The yard shall be inspected weekly by a member of the SWPPP team and the records of this inspection kept for one year.
- Responsible Staff: Site Manager and/or Supervisor.



SECTION 3: GOOD HOUSEKEEPING BMPs

3.1 Good Housekeeping BMPs

- Categorize each good housekeeping and pollution prevention (P2) BMP under one of the following 7 categories and follow the instructions to SWPPP Guide your description:

- 6 ***Material Handling and Waste Management:***
- 1 ***Establish Proper Building Material Staging Areas:***
- 2 ***Designate Washout Areas:***
- 5 ***Establish proper equipment/vehicle fueling and maintenance practices:***
- 3 ***Allowable non-storm water discharges and control equipment/vehicle washing:***
- 4 ***Spill Prevention and Control Plan:***

Project Information:

1. *Material Handling and Waste Management:*

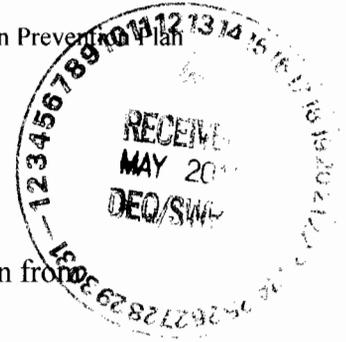
Describe measures (i.e., trash disposal, sanitary wastes, recycling, and proper material handling) to prevent the discharge of solid materials to waters of the U.S., except as authorized by a permit issued under section 404 of the CWA.

- **BMP Description:** City Wide Construction will use only licensed and reputable waste hulers. A letter will be requested from our disposal contractor stating that NO discharge of solid materials will be made to waters of the US.

2. *Establish Proper Building Material Staging Areas:*

Describe materials expected to be stored on-site and procedures for storage of materials to minimize exposure of the materials to stormwater.

- **BMP Description:** All martial shall be stored in area that has been defined by City Wide management. There will be NO exception to this rule. All equipment that might have the potential to be a storm water issue will be kept clean or stored in doors.
- **Maintenance and Inspection:** All employees will be told of there obligation for inspection, but Management will be held accountable for this section.
- **Responsible Staff:** All Employees, with Management having the final responsibility.



3. ***Designate Washout Areas:***

Describe location(s) and controls to minimize the potential for stormwater pollution from washout areas for concrete mixers, paint, stucco, etc.

- BMP Description: All wash out areas are linked and flow into the retention pits. This is by design and No issues are apparent here.
- Maintenance and Inspection: All Drivers will be informed of this and be held responsible to ensure the flow patterns are followed.
- Responsible Staff: All Drivers or any employee washing out equipment.

4. ***Establish proper equipment/vehicle fueling and maintenance practices:***

Describe equipment/vehicle fueling and maintenance practices that will be implemented to control pollutants to stormwater

- BMP Description: All on site fueling of any equipment that requires over 5 gallons of fuel will be required to be over secondary fueling containment or a catch mat.
- Maintenance and Inspection: Management will have the requirement to ensure that this BMP is followed.
- Responsible Staff: Don Shuler and/or on site management.

5. ***Spill Prevention and Control Plan:***

Any and all chemicals (anything that can be split and enter the storm water detention area) will be controlled and kept in areas of use. It shall be capped or covered when not in use and only deposited in proper environmentally proper ways. There shall be a trained spill prevention team and a reaction team for any accidental spill.

3.2 Allowable Non-Storm water Discharge Management

List allowable non-stormwater discharges and the measures used to eliminate or reduce them and to prevent them from becoming contaminated:

- Truck washing
- Cleaning equipment
- Adding water to concrete operations.
- ALL THE ABOVE IS ADDRESSED IN OTHER LOCATION OF HE SWPPP.



SECTION 5: INSPECTIONS and MAINTENANCE

5.1 Inspections

1. Inspection Personnel:

Identify the person(s) who will be responsible for conducting inspections and describe their qualifications.

- Site Manager
- Summit Safety Group Consultant

2. Inspection Schedule and Procedures:

All inspection mentioned in this SWPPP shall be completed as required and documented. Most inspections are to be done monthly.

ii. Describe the general procedures for correcting problems when they are identified. Include responsible staff and timeframes for making corrections.

- Any/all issue found during an inspection shall be corrected in a timely fashion, with that said all actions will STOP if any martial might enter the water path of travel.

iii. Attach a copy of the inspection report you will use for your site. See Attachment

5.2 Maintenance of Controls

Maintenance Procedures: Maintenance shall have sole control over the actions taken to repair or replace whatever is need as directed by management.

5.3 Corrective Action Log

Corrective Action Log: See attachment B1



SECTION 6: Recordkeeping and Training

6.1 Recordkeeping

The following is a list of records you we will keep at our site and this list will be available for inspectors to review:

- Dates of grading, construction activity
- A copy of the construction general permit
- The signed and certified NOI form or permit application form (attach).
- A copy of the letter from the EPA/State notifying you of their receipt of your complete NOI/application (attach).
- Inspection reports (attach).
- Records relating to endangered species and historic preservation (attach).
- Check your permit for additional details.
- For more on this subject, see SWPPP Guide, Chapter 6.C.

6.2 Log of Changes to the SWPPP

- Any changes to this program will require retraining of those mentioned in the SWPPP and retraining of all those evolved as needed.

Log of changes and updates to the SWPPP; See attachment B2

6.3 Training

The following training shall be conducted annually or as needed.

- General stormwater and BMP awareness training for staff and subcontractors

- Detailed training for staff and subcontractors with specific stormwater responsibilities

Individual(s) Responsible for Training:

- Summit Safety Group



SWPPP APPENDICES

Attach the following documentation to the SWPPP:

App a - General Location Map

App B - Site Maps

App C - Copy of Construction General Permit as needed

App E - Inspection Reports when completed

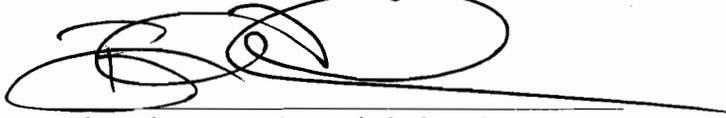
App F - Corrective Action Log as required

App G - Log of Changes and Updates to SWPPP

App H - Subcontractor Certifications/Agreements



Aaron Harless Plant Manager



Brian Thompson Summit Safety Group

**SPCC PLAN WEEKLY INSPECTION REPORT
City Wide Construction Materials
FACILITY INSPECTION**



Date of Inspection: _____

Inspected By: _____

INSPECTION AREAS STATUS AND CORRECTIVE ACTIONS IMPLEMENTED

Inside storage areas

Time Inspected: _____

Outside Storage Areas

Time Inspected: _____

Spill Response Equipment

Time Inspected: _____

Storm Water Outfalls

Time Inspected: _____

APPENDIX E
CC PLAN MATERIAL SPILL REPORT
City Wide Construction Materials



Report Date: _____ Time: _____

Reporting Party

Name: _____

Position: _____

Spill Information

Date Spill Began or Noticed: _____ Time Initially Noticed: _____

Spill Location and Source: _____

Spill Description

Material Spilled: _____

Estimated Amount Released: _____

Cause of Spill: _____

Containment/Cleanup Status

Containment Condition: _____

Has Spill Reached Beyond Facility Boundary? _____

Has Spill Reached Navigable Waters: _____ Name of Water Body: _____

Verbal Contact with Ozone Fire Department (911)

Contact Date and Time: _____ Person Spoken With: _____

Comments: _____

Verbal Contact with Ozone Police Department (911) or _____

Contact Date and Time: _____ Person Spoken With: _____

Comments: _____

Verbal Contact with Michigan DNR _____

Contact Date and Time: _____ Person Spoken With: _____

Comments: _____

Verbal Contact with State EPA Region VII

Contact Date and Time: _____ Person Spoken With: _____

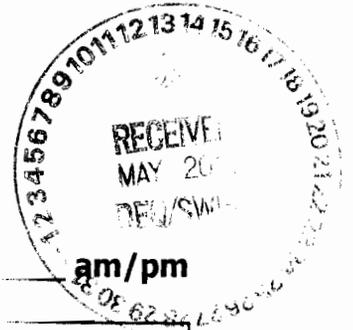
Comments: _____

Verbal Contact with National Response Center (800) 424-8802

Contact Date and Time: _____ Person Spoken With: _____

Comments: _____

SPCC PLAN WEEKLY INSPECTION REPORT
City Wide Construction Materials
INSIDE TANKS INSPECTION



Inspection Date: _____ **Inspection Time:** _____ **am/pm**

TANK INSPECTION FOR SPCC				
Yes	No	Inspection Section	Comments	Corrective Action
		Is there any leakage around tank fittings?		
		Are the tank gauges working?		
		Are tank valves locked and keys maintained by Facility Manager?		
		Is there any leakage around the tank piping?		
		Is the tank foundation in good condition?		
		Is the tank coating in good condition?		
		Does the tank exhibit signs of shell distortion, settlement, or corrosion?		
		Other		

OTHER OBSERVATIONS:

Google earth

miles
km



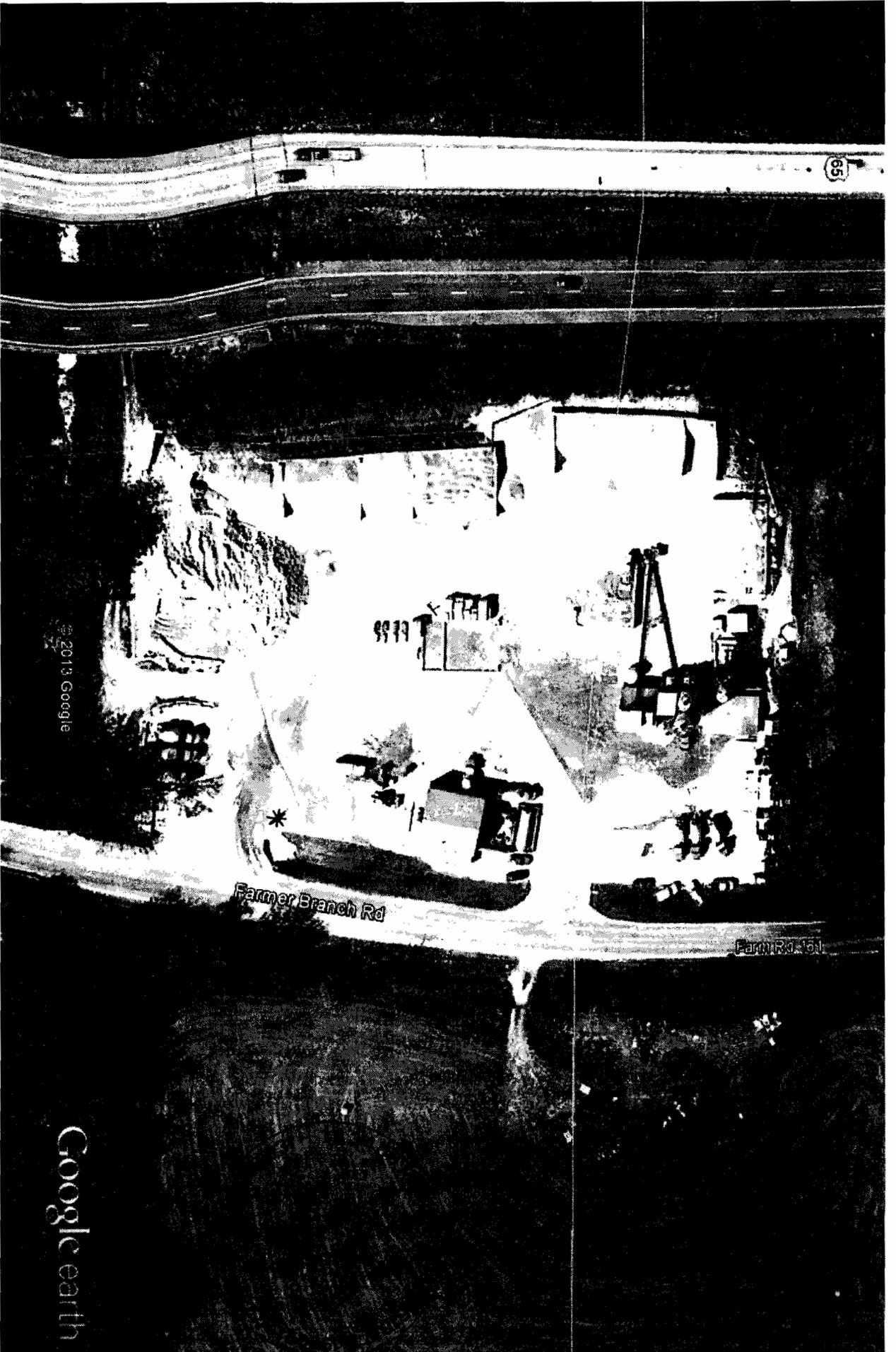
RED CIRCLE IS LOCATION OF FACILITY.



© 2013 Google

Google earth





Google earth

feet
meters



200

900



Google earth

ASTERISK (*) INDICATES "OUTFALL 001"
TRIANGLE (Δ) INDICATES "OUTFALL 002"

Shipping:
1817 Farmer Branch Rd.
Ozark, MO 65721
Ph: (417) 881-0013
Fax: (417) 881-8419



Billing:
1948 N. West Bypass
Springfield, MO 65803
Ph: (417) 831-4616
Fax: (417) 881-8419

May 9, 2013

Department of Natural Resources
Southwest Regional Office
2040 W. Woodland
Springfield, MO 65807



Mr. Kevin Hess

Dear Mr. Hess,

Please find enclosed summations to all issues concerning your most recent Letter of Warning dated May 6, 2013.

Please find enclosed Forms A, C, and J for Site Specific Permit, updated SWPPP with updated BMP (best-management practices), and all relevant inspection forms.

As per your request, all outfalls are labeled and marked on-site.

Monthly site inspections are being completed along with weekly inspections.

It is my understanding that this matter is settled with these enclosed documents and that a meeting is no longer needed at 10:00 a.m. on May 17, 2013. If I am incorrect, please inform me at your earliest convenience.

We apologize for any inconvenience. A management change has caused a significant delay in our response as the deadlines and requirements stemming from your inspections were not relayed adequately. We are working diligently to adhere to and maintain all that is required of us.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron Harless". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Aaron Harless
General Manager
City Wide Construction Products