

Official Draft Public Notice Version **January 13, 2014**

The findings, determinations, and assertions contained in this document are not final and subject to change following the public comment period.

**FACT SHEET STATEMENT OF BASIS  
OLDCASTLE PRECAST  
DISCHARGE PERMIT  
UPDES PERMIT NUMBER: UT0025577  
MINOR INDUSTRIAL**

**FACILITY CONTACTS**

Person Name: Ray Young  
Position: Facilities Manager

Facility Name: Oldcastle Precast

Mailing Address: P.O. Box 12730  
Ogden, UT 84412

Telephone: (435) 399-1171

Actual Address: 801 West 12<sup>th</sup> Street  
Ogden, UT 84404

**DESCRIPTION OF FACILITY**

Oldcastle Precast (Amcor) produces pre-cast concrete pipe and other concrete products. These products are manufactured with portland cement, fly ash, and small aggregate rock. Oldcastle Precast has a sediment pond that can contain up to 20,000 gallons of storm water runoff and process wastewater. The only time there is a discharge is during, or just after major precipitation events. Old castle Precast has a Standard Industrial Classification (SIC) code of 3272, for "Concrete Products, except Block and Brick".

The sediment pond is just north of the pre-cast building. Outfall 001 flows into a 24 inch concrete storm drain on the north side of the sediment pond. Then flow's approximately 1000', where the Oldcastle Precast storm drain dumps into the Ogden City storm drain and discharges into the Mill Creek drainage area, thence the Ogden Nature Preserve. The outfall of the pond is at latitude 41°14'40" and longitude 112°00'00".

## DISCHARGE

### DESCRIPTION OF DISCHARGE

Almost all of the water that flows into the sediment pond is storm water runoff. There is some process wastewater which only contributes about two thousand gallons a year to the sediment pond, thus the need for a Utah Pollutant Discharge Elimination Permit. The process wastewater consists of wash down water from the cleaning of products, boiler room water, quality assurance laboratory water, and some maintenance shop water. The parameters of concern in the discharge from Oldcastle Precast are total suspended solids (TSS), pH and oil and grease.

<u>Outfall</u>	<u>Description of Discharge Point</u>
001	Located at latitude 41°14'40" and longitude 112°00'00". The discharge is through a 4-inch diameter pipe leading from the sedimentation pond into the Ogden City storm drain and discharges into the Mill Creek drainage area, thence to the Ogden Nature Preserve.

### RECEIVING WATERS AND STREAM CLASSIFICATION

The final discharge flows into the Mill Creek drainage area, thence the Ogden Nature Preserve. Mill Creek is classified as 2B, 3A and 4 according to *Utah Administrative Code (UAC) R317-2-13.4*:

- Class 2B -- Protected for infrequent primary contact recreation. Also protected for secondary contact recreation where there is a low likelihood of ingestion of water or a low degree of bodily contact with the water. Examples include, but are not limited to, wading, hunting, and fishing.
- Class 3A -- Protected for cold water species of game fish and other cold water aquatic life, including the necessary aquatic organisms in their food chain.
- Class 4 -- Protected for agricultural uses including irrigation of crops and stock watering.

### BASIS FOR EFFLUENT LIMITATIONS

Limitations of TSS and pH are based on current Utah Secondary Treatment Standards, *Utah Administrative Code R317-1-3.2*. Oil and grease and dissolved oxygen are based on best professional judgment. The waste load analysis (attached) indicates these limitations should be sufficiently protective of water quality in order to meet State water quality standards in the receiving waters.

Parameter	Effluent Limitations a/			
	30 - Day Average	Maximum 7 - Day Average	Daily Minimum	Daily Maximum
Total Suspended Solids, mg/L	25	35	NA	NA
Dissolved Oxygen, mg/L	NA	NA	5.5	NA
Oil & Grease, mg/L	NA	NA	NA	10.0
pH, Standard Units	NA	NA	6.5	9.0

NA – Not Applicable.

**SELF-MONITORING AND REPORTING REQUIREMENTS**

The following self-monitoring requirements are the same as in the previous permit. The reporting requirements will be submitted on Discharge Monitoring Report Form (EPA No. 3320-1) or by NetDMR, post-marked or entered into NetDMR no later than the 28<sup>th</sup> day of the month following the completed reporting period.

Parameter	Frequency	Sample Type	Units
Total Flow b/	Monthly	Instantaneous	gpd
Total Suspended Solids	Monthly	Grab	mg/L
Oil & Grease c/	Monthly (If sheen is present)	Visual/Grab	mg/L
pH	Monthly	Grab	SU

a/ See Permit, *Part I.A.*, Definitions, for definition of terms.

b/ Flow measurements of effluent volume shall be made in such a manner that the permittee can affirmatively demonstrate that representative values are being obtained.

c/ The analytical sample for oil & grease is only required when a sheen is observed or there is another reason to believe oil & grease may be present.

**WASTE LOAD ANALYSIS AND ANTIDegradation REVIEW**

Effluent limitations may also be derived using a Wasteload Analysis (WLA). The WLA incorporated Secondary Treatment Standards, Water Quality Standards, Antidegradation Reviews (ADR), as appropriate and designated uses into a water quality model that projects the

effects of discharge concentrations on receiving water quality. Effluent limitations are those that the model demonstrates are sufficient to meet State water quality standards in the receiving waters. During the UPDES renewal development, a WLA and ADR were performed. An ADR Level I review was performed and concluded that an ADR Level II review was not required. The WLA indicates that the effluent limitations should be sufficiently protective of water quality, in order to meet State water quality standards in the receiving waters.

### **STORM WATER**

Oldcastle Precast is covered under a general permit for storm water discharges associated with industry, Multi-sector permit number, UTR-000636.

### **PRETREATMENT REQUIREMENTS**

Although the permittee does not have to develop a State-approved pretreatment program, any discharges to the sanitary sewer are subject to Federal, State and local regulations. Pursuant to *Section 307 of the Clean Water Act*, the permittee shall comply with all applicable Federal General Pretreatment Regulations promulgated, found in *40 CFR 403* and the State Pretreatment Requirements found in *UAC R317-8-8*. No discharges from this system to sanitary sewers are planned.

### **BIOMONITORING REQUIREMENTS**

A nationwide effort to control toxic discharges where effluent toxicity is an existing or potential concern is regulated in accordance with the *State of Utah Permitting and Enforcement Guidance Document for Whole Effluent Toxicity Control (biomonitoring)*. Authority to require effluent biomonitoring is provided in *Permit Conditions, UAC R317-8-4.2, Permit Provisions, UAC R317-8-5.3 and Water Quality Standards, UAC R317-2-5 and R317-2-7.2*.

The permittee is classified as a minor industrial facility that will discharge a relatively small volume of effluent when compared to flows of the receiving stream. The receiving stream water quality monitoring data indicate no impairment of the stream. Based on these considerations, there is no reasonable potential for toxicity in the proposed discharge (per *State of Utah Permitting and Enforcement Guidance Document for WET Control*). As such, there will be no numerical WET limitations or WET monitoring requirements in this permit. However, the permit will contain a toxicity limitation re-opener provision that allows for modification of the permit should additional information indicate the presence of toxicity in the discharge.

**PERMIT DURATION**

It is recommended that this permit be effective for a duration of five (5) years.

Drafted by  
Matthew Garn  
Utah Division of Water Quality  
December 23, 2013

**PUBLIC NOTICE**

Began:  
Ended:  
Public Noticed in the

PN DRAFT

