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: Oldecastle Precast

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

Telephone: (435) 399-1171

Actual Address: 801 West 12th 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 Oldecastle 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.

<table>
<thead>
<tr>
<th>Outfall</th>
<th>Description of Discharge Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Located at latitude 41°14’40&quot; and longitude 112°00’00&quot;. 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.</td>
</tr>
</tbody>
</table>

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.
### Effluent Limitations $a/$

<table>
<thead>
<tr>
<th>Parameter</th>
<th>30-Day Average</th>
<th>Maximum 7-Day Average</th>
<th>Daily Minimum</th>
<th>Daily Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Suspended Solids, mg/L</td>
<td>25</td>
<td>35</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Dissolved Oxygen, mg/L</td>
<td>NA</td>
<td>NA</td>
<td>5.5</td>
<td>NA</td>
</tr>
<tr>
<td>Oil &amp; Grease, mg/L</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>10.0</td>
</tr>
<tr>
<td>pH, Standard Units</td>
<td>NA</td>
<td>NA</td>
<td>6.5</td>
<td>9.0</td>
</tr>
</tbody>
</table>

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 28th day of the month following the completed reporting period.

### Table 2. Self-Monitoring and Reporting Requirements

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Frequency</th>
<th>Sample Type</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Flow $b/$</td>
<td>Monthly</td>
<td>Instantaneous</td>
<td>gpd</td>
</tr>
<tr>
<td>Total Suspended Solids</td>
<td>Monthly</td>
<td>Grab</td>
<td>mg/L</td>
</tr>
<tr>
<td>Oil &amp; Grease $c/$</td>
<td>Monthly (If sheen is present)</td>
<td>Visual/Grab</td>
<td>mg/L</td>
</tr>
<tr>
<td>pH</td>
<td>Monthly</td>
<td>Grab</td>
<td>SU</td>
</tr>
</tbody>
</table>

$a/$ 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 incorporates 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