

**ANNUAL INSPECTION REPORT
ASH POND 2
JOLIET 29 STATION
18 JANUARY 2016**

Pursuant to 40 CFR 257.83(b), Geosyntec Consultants (Geosyntec) performed an annual inspection of Ash Pond 2 at the Joliet 29 Station in Joliet, Illinois (see Figure 1). The inspection included a review of available information regarding the status and condition of the CCR unit, a visual inspection of the CCR unit, including hydraulic and appurtenant structures, and preparation of this inspection report. The visual inspection was performed by Ms. Jane Soule, P.E., on 30 September 2015. A summary of the inspection findings is presented below and in Table 1.

1. Changes in Geometry - §257.83(b)(2)(i)

This is the initial annual inspection and, as such, there have not been previous annual inspections. Therefore, no changes in geometry from previous inspections could be assessed.

2. Instrumentation – §257.83(b)(2)(ii)

Geosyntec did not observe and is not aware of instrumentation associated with the hydraulic structures, impoundment embankments, or slope performance related to Ash Pond 2.

3. Capacity and Impounded Volume – §257.83(b)(2)(iii) through (v)

The capacity and impounded volume of Ash Pond 2 and estimated depth of impounded water and CCR are presented in Table 1. These volumes and depths were estimated using existing topographic maps and the observations made during the 30 September 2015 inspection.

Because this is the initial annual inspection, the maximum and minimum height of water and CCR in the unit since the last inspection could not be assessed.

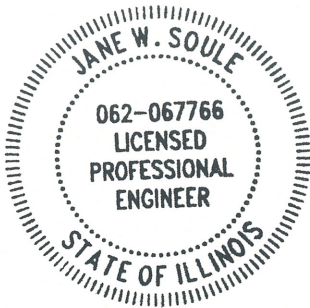
4. Structural/Operational Observations - §257.83(b)(2)(vi)

Geosyntec did not identify site conditions that indicate an actual or potential structural weakness or have the potential to disrupt the operation and safety of the CCR units and appurtenant structures.

Ash Pond 2, Joliet 29 Station
Initial Annual Inspection
18 January 2016

5. Other Changes – §257.83(b)(2)(vii)

This is the initial annual inspection and there have not been previous annual inspections. Therefore, no changes affecting the operation or stability of the unit could be assessed.



A handwritten signature in blue ink that reads "Jane W. Soule".

Jane W. Soule, P.E.

Illinois Professional Engineer No. 052-067766

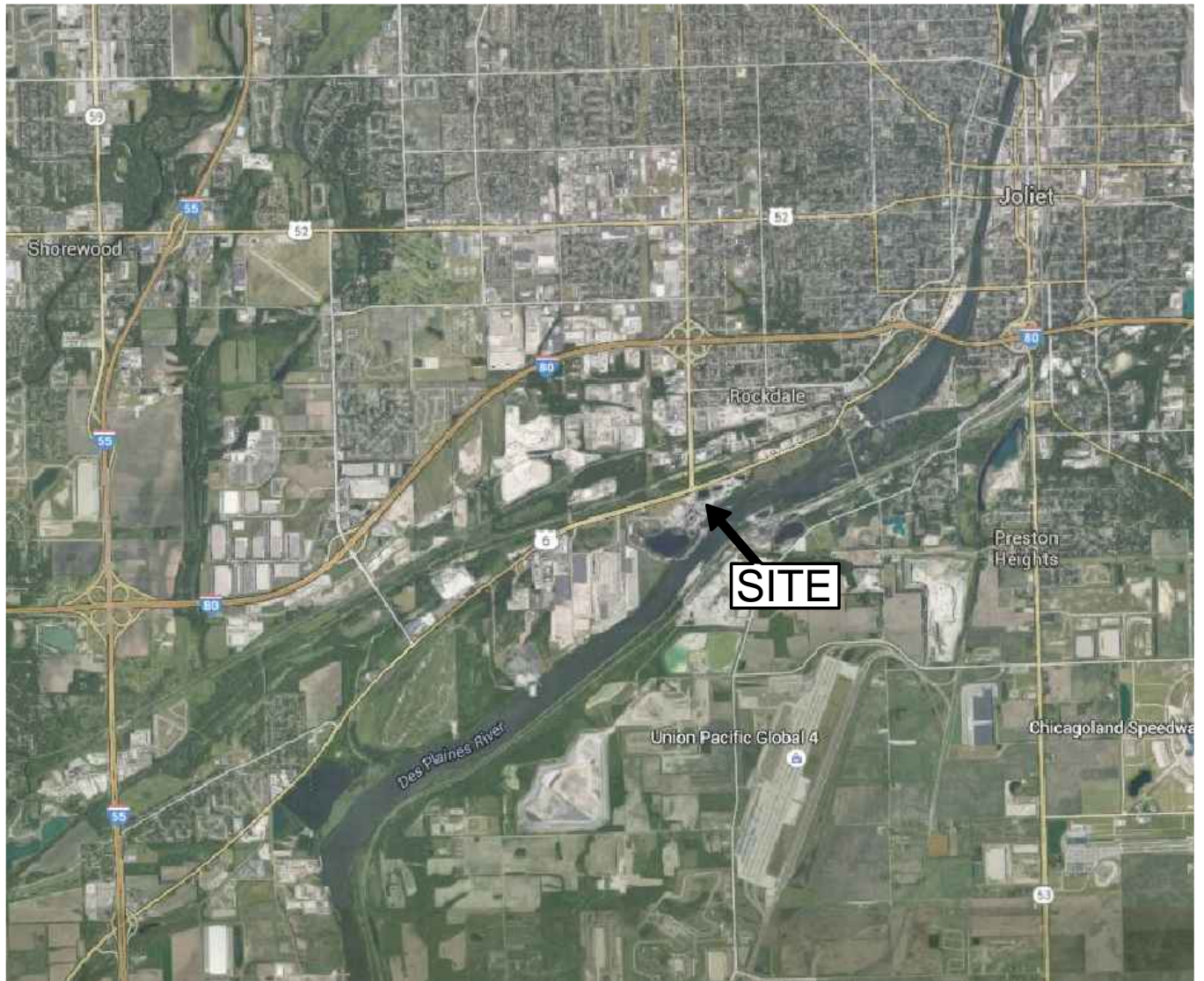
Expiration Date: 11/30/2017

Table 1: Inspection Summary

Category	Regulation Reference	Evaluation	Recommended Action
Changes In Geometry	§257.83(b)(2)(i)	Not Applicable ⁽¹⁾	None
Instrumentation	§257.83(b)(2)(ii)	None	None
Water Depth Estimate	§257.83(b)(2)(iii)	17 feet ⁽²⁾	None
CCR Depth Estimate	§257.83(b)(2)(iii)	17 feet ⁽³⁾	None
Estimated Storage Capacity ⁽⁴⁾	§257.83(b)(2)(iv)	38.4 acre-feet 62,000 cy	None
Impounded Water Volume Estimate	§257.83(b)(2)(v)	27.3 acre-feet 44,000 cy	None
Impounded CCR Volume Estimate	§257.83(b)(2)(v)	9.3 acre-feet 15,000 cy	None
Structural/Operational Observations	§257.83(b)(2)(vi)	None Observed	None
Other Changes	§257.83(b)(2)(vii)	Not Applicable ⁽¹⁾	None

Notes:

1. This report documents the initial annual inspection.
2. This is the estimated maximum depth of water at the time of the inspection. The maximum and minimum depths since the last inspection are not applicable since this is the initial annual inspection.
3. This is the estimated maximum depth of CCR at the time of the inspection. The maximum and minimum depths since the last inspection are not applicable since this is the initial annual inspection.
4. Capacity was computed using computer-aided design computation methods based on 2007 topography by Natural Resource Technology within the pond footprint and a maximum pool elevation of 533.5 feet, based on the estimated lowest top of liner elevation. The storage capacity of the impoundment to a pool elevation corresponding to the top of the discharge weir at 532.85 feet is estimated to be 36.6 acre-feet (59,000 cubic yards [cy]).



VICINITY MAP



SITE PLAN

ASH POND 2



NOT TO SCALE

VICINITY MAP AND SITE PLAN
JOLIET 29 STATION
JOLIET, ILLINOIS



DATE: JANUARY 2016

PROJECT NO. SW0251-06

FIGURE

1

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REFERENCE: GOOGLE, 2016.