



Memorandum

Date: October 21, 2015

To: Glenn Pinterich, PacifiCorp
Steve Daley, PacifiCorp

From: Rick Cox, P.E.
Wil Pineda, P.E.

Subject: Confirmation of CCR Removal Efforts for the Huntington Power Plant Wastewater Pond (aka Holding Basin)

In August, September, and October, 2015, URS inspected coal combustion residual (CCR) and sediment removal activities at the PacifiCorp Huntington Power Plant Wastewater Pond, also known as the Holding Basin. Based on URS' inspections, visual characterization of the materials excavated from the pond, and observations of the pond invert after excavation, URS confirms that all but *de minimis* amounts of CCR material have been removed. The Wastewater Pond is characterized as clean.

Description of Wastewater Pond

The Wastewater Pond is located north of the Huntington Power Plant, adjacent to the existing concrete structures that include the Wastewater Sump (aka Wastewater Basin 1 [WWB1]), Neutralization Basin, and Holding Basin Sump. Historically, water that overflowed the Waste Disposal and Neutralization Basins was conveyed to the Wastewater Pond. When capacity became available in WWB1, the water was then pumped back to WWB1 which discharges to the Evaporation Pond. The Wastewater Pond was only a temporary holding basin (or regulating reservoir) which was never intended to store CCR. Consequently, the volume of CCR in the pond was minimal.

In October 2015, a new wastewater basin (WWB2) was constructed to settle out CCR from the wastewater stream and to minimize overflow to the Wastewater Pond. WWB2 and its associated drying pad were constructed in the southern portion of the original footprint of the Wastewater Pond. Sediment and CCR removal was conducted prior to construction of those facilities.

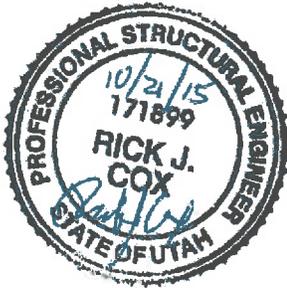
2015 Cleaning and CCR Removal

A major cleaning event was conducted between August and October 2015 to remove accumulated sediment and CCR from the Wastewater Pond. URS staff visited the Huntington Power Plant on August 7, 2015 to confirm that CCR had been removed from the proposed footprint of WWB2 prior to foundation preparation for the new structure. Refer to Photo 2 in the attached Photograph Log.

URS visited the site again on September 29 and October 6, 2015 to observe the cleaning activities and removal of CCR as the project progressed. The final site visit by URS to confirm pond cleaning was on October 13, 2015. Refer to the Photograph Log for photos taken during each site visit.

Native sandy and silty soil was encountered as the CCR was removed. The native material is a light brown coloring, similar to the surrounding mountains and is easily distinguishable from the grey CCR material. Approximately 3500 cubic yards of material were excavated from the pond and disposed of at the plant's ash landfill. This represents an average excavation depth of 1.5 feet below the encountered pre-excavation pond floor.

In view of the historical use of the Wastewater Pond, URS' inspections, visual characterization of the materials excavated from the pond, and the volume of excavated material, URS confirms that the CCR material in the Wastewater Pond has been removed and the pond is clean.



End Memorandum

Photograph Log

General Information	Project Number: 60429408	Project Name: Wastewater Pond CCR Removal	
	Client: PacifiCorp Energy		
	Location: Huntington Power Plant, Huntington , Utah		
	Field Investigator: Wil Pineda and Rick J. Cox		

Photographs	Photograph: 1	
	Description: Wastewater pond prior to cleaning activities facing northeast.	

Photographs	Photograph: 2	
	Description: Former wastewater pond area facing east. Area cleared of CCR in preparation for WWB 2 concrete structure. 8-7-2015	

Recorded By: Rick J. Cox	Date: August 2015
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Photograph Log

General Information	Project Number: 60429408	Project Name: Wastewater Pond CCR Removal
	Client: PacifiCorp Energy	
	Location: Huntington Power Plant, Huntington , Utah	
	Field Investigator: Wil Pineda and Rick J. Cox	

Photographs	<p>Photograph: 3</p> <p>Description:</p> <p>Former wastewater pond area facing east. Area cleaned except for <1/8" thick layer of CCR in some areas.</p> <p>9-29-2015</p>	
	<p>Photograph: 4</p> <p>Description:</p> <p>Former wastewater pond area facing east. Same condition as 9-29-15 with exception that fill has been stockpiled for the WWB2 structure and drying pad.</p> <p>10-6-2015</p>	

Recorded By: Rick Cox	Date: September and October 2015
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Photograph Log

General Information	Project Number: 60429408	Project Name: Wastewater Pond CCR Removal	
	Client: PacifiCorp Energy		
	Location: Huntington Power Plant, Huntington , Utah		
	Field Investigator: Wil Pineda and Rick J. Cox		

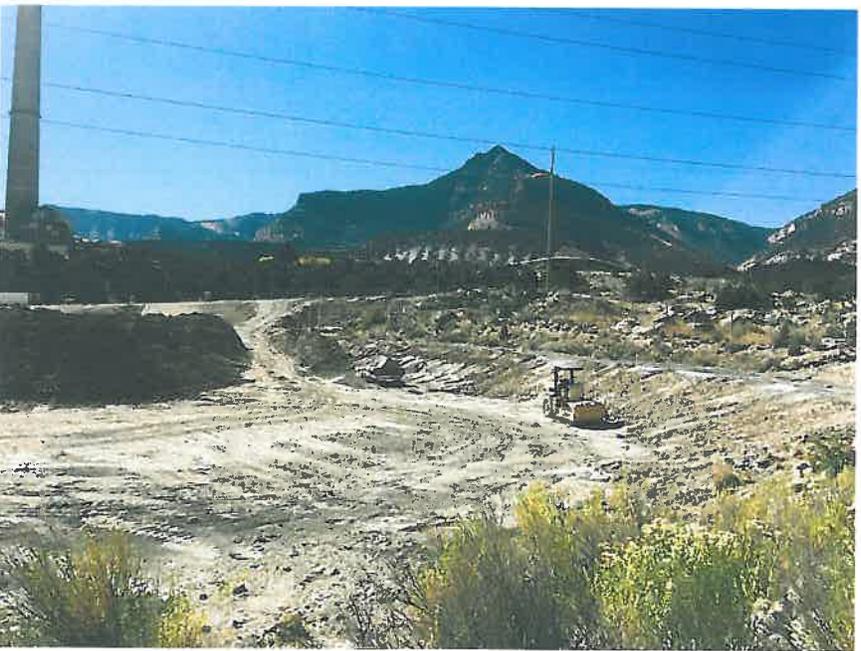
Photographs	<p>Photograph: 5</p> <p>Description:</p> <p>Former wastewater pond area facing west. Pond embankment and floor completely cleaned.</p> <p>10-13-2015</p>	
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Photographs	<p>Photograph: 6</p> <p>Description:</p> <p>Former wastewater pond area facing southwest. Pond embankment and floor completely cleaned.</p> <p>10-13-2015</p>	
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Photograph Log

General Information	Project Number: 60429408	Project Name: Wastewater Pond CCR Removal
	Client: PacifiCorp Energy	
	Location: Huntington Power Plant, Huntington , Utah	
	Field Investigator: Wil Pineda and Rick J. Cox	

Photographs	<p>Photograph: 7</p> <p>Description:</p> <p>Former wastewater pond area facing south. Pond embankment and floor completely cleaned. Stockpile is the location for the new drying pad.</p> <p>10-13-2015</p>	
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Photographs	<p>Photograph: 8</p> <p>Description:</p> <p>Former wastewater pond area facing southwest. Pond embankment and floor completely cleaned.</p> <p>10-13-2015</p>	
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Former Wastewater
Pond Location

Huntington Power
Plant