

BLUE VALLEY POWER STATION

CCR IMPOUNDMENT CLOSURE

(North Fly Ash, South Fly Ash and Bottom Ash Ponds)

FIRST STATUS REPORT – JANUARY 2017

- City of Independence, Power and Light Department (IPL) filed a notice of intent on December 16, 2015 to close three CCR impoundments as inactive impoundments under the Final Rules for Disposal of Coal Combustion Residuals from Electric Utilities for closing as an inactive impoundment [40 CFR Part 257.100], (April 17, 2015).
- IPL advertised for bids to implement the closure design in the spring of 2016 and signed a contract with the selected contractor in June 2016. The contractor began closure actions with the dewatering of the three impoundments in July 2016.
- Summary of 2016 Field Activities
 - North Fly Ash Pond
 - Contractor began rough grading of ash in September 2016
 - Contractor began placing alternate cover (Geocomposite Liner and 12 inches of vegetative soils) in October 2016.
 - Continuing to dewater ash, grade, and place alternate cover in January 2016.
 - Bottom Ash Pond
 - Contractor began removing ash from portion of “Clean Closure” area in the southern end of the Bottom Ash pond in November 2016.
 - Continuing to dewater ash, and excavate for clean closure sampling and testing in January 2017.
 - Southeast Fly Ash Pond
 - Contractor began excavating dewatering trenches in December 2016.
- Problems Encountered / Resolutions
 - Contractor started project by testing both well point dewatering and trench and sump dewatering. The well point system proved inefficient and contractor elected to excavate trenches into the ash and drain water to rock filled sump pits that pumped water to sewage treatment plant connection.
 - Survey data indicates ash is settling in response to dewatering. Will require contractor to adjust fill volumes to achieve required grades.

- Summary of Future Activities
 - North Fly Ash Pond
 - Contractor to continue grading ash and placing alternate cover (Geocomposite Liner) over ash. Alternate cover being covered with vegetative soils as alternate cover is placed.
 - Expect grading, capping and seeding to be completed before fall 2017 seeding season.
 - Bottom Ash Pond
 - Will collect clean closure samples after removal of ash and any impacted soil.
 - Contractor will construct divide berm between new sedimentation pond to be built in clean closed area.
 - Contractor began removing ash from portion of “Clean Closure” area in the southern end of the Bottom Ash pond in November 2016.
 - Continuing to dewater ash, and grading of ash to design grades.
 - Capping of the southeast pond may be completed in 2017 depending on effectiveness of dewatering.
 - Southeast Fly Ash Pond
 - Contractor to continue dewatering operations and begin grading in stable area when possible.
 - Bottom ash pond capping may be completed in 2017.