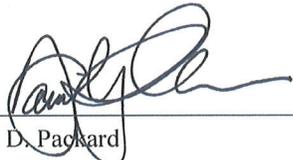




# Post-Closure Plan for Existing CCR Surface Impoundment

Prepared for Interstate Power and Light Company  
Lansing Generating Station  
Lansing, IA

Issue Date: February 14, 2018  
Issue Purpose: For Use

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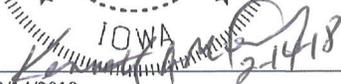
**Certification and Seal:**

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa:

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Revision: 1

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My license renewal date is December 31, 2018  
Pages covered by this seal: All



  
2/14/2018  
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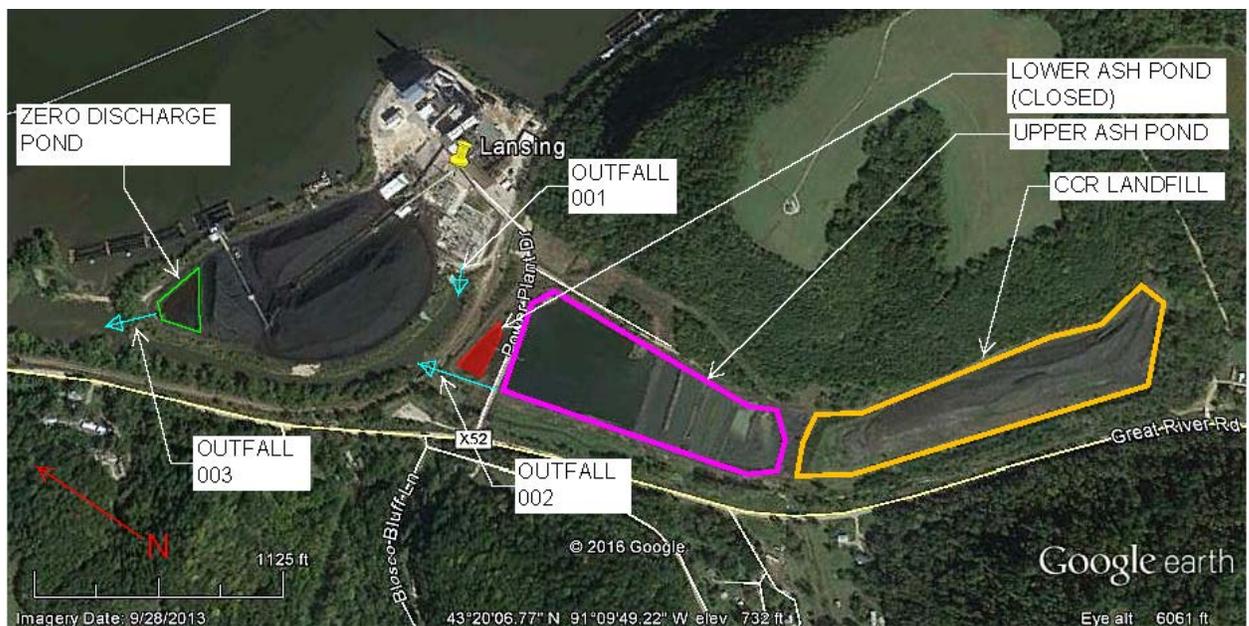
## 1. INTRODUCTION & PURPOSE

Interstate Power and Light Company (IPL) – a wholly owned subsidiary of Alliant Energy – operates the Lansing Generating Station (LAN), located 3 miles southeast of Lansing, Iowa. Units 1 through 3 have been retired and Unit 4 is the only unit in operation, with a 275MW capacity. To comply with the requirements of the USEPA Final CCR Rule (40 CFR 257.50 thru 257.107), Alliant Energy, on behalf of its subsidiary IPL submits the following Post-Closure Plan applicable to the Upper Ash Pond detailing the steps to be undertaken during the required 30 year post-closure monitoring period in accordance with §257.104 of the CCR Rule.

This document provides the following required information:

- Description of the monitoring and maintenance activities,
- Contact information of responsible entity for closed CCR facility during post-closure care and,
- Description of the planned uses of the property during post-closure period

The location of the LAN surface impoundments is provided for reference in Figure 1.



**Figure. 1: Current layout at Lansing Generating Station**



## 2. DESCRIPTION OF MONITORING / MAINTENANCE ACTIVITIES

The following table outlines the maintenance and monitoring activities to be undertaken during the 30-year post-closure care period of the former Upper Ash Pond. The frequency of these activities is as mandated by the CCR Rule unless noted otherwise.

Monitoring and Maintenance Activities	Frequency
Mow Vegetation	Semi-annually (minimum)
Visual Inspection of cover system by Plant Personnel	Monthly (minimum)
Visual Inspection and Report by Licensed Professional Engineer	As necessary
Repair of Vegetative Cover	As necessary
Repair of Final Cover System	Following observance of settlement, subsidence, erosion, or other events
Inspect Groundwater Monitoring System	Monthly
Repair of Groundwater Monitoring System	Following observance of an issue
Monitor the Groundwater	Semi-Annually

### 2.1 Mowing

The Station will perform mowing on the final cover system vegetation during the growing season. Mowing will be performed on a semi-annual basis unless more frequent mowing is required to facilitate inspections during periods of higher vegetation growth.

### 2.2 Visual Inspections by Owner / Operator

At a minimum, the Owner/Operator of the closed CCR unit will visually inspect the closed impoundments on a monthly basis to identify any problem areas such as erosion, subsidence, settlement or other events. The monthly visual inspection will also include an inspection of the groundwater monitoring system to visually assess the condition of the protective casing and cover system. If vegetation problems are observed with the cover system, actions will be taken to reseed the area and maintain the erosion protection provided by the vegetation. Furthermore, should the monthly inspection identify issues concerning the final cover system or the groundwater monitoring system, actions will be taken to make repairs in accordance with the original design.

### 2.3 Visual Inspection and Report by Certified Professional Engineer

Should the visual inspections by the Owner/Operator indicate potential concerns, a detailed inspection of the closed CCR surface impoundment will be performed by a licensed professional engineer. The professional engineer will visually inspect the surface and side slopes of the closed impoundments to identify any problem areas such as erosion, subsidence, settlement or other events.

## **2.4 Groundwater Monitoring**

The Station will maintain the groundwater monitoring system and monitor groundwater quality in accordance with the requirements of 40 CFR 257.90 through 257.98. Groundwater monitoring will be performed on a semi-annual basis in accordance with 40 CFR 257.94(b).

## **3. CONTACT INFORMATION FOR POST-CLOSURE CARE**

As required by §257.104(d)(1)(ii) of the CCR Rule, the following contact information is provided if the need arises to discuss the contents or adequacy of this Post-Closure Plan with Station personnel:

Lansing Generating Station  
Attn: Plant Manager  
2320 Power Plant Drive.  
Lansing, IA 52151  
(563) 538-3100  
[CCRProgram@alliantenergy.com](mailto:CCRProgram@alliantenergy.com)

## **4. PROPERTY USE DURING POST-CLOSURE CARE PERIOD**

Per the requirements of §257.104(d)(1)(iii) of the CCR Rule, the intended use of the closed CCR facility at LAN – as of the issue date of this Plan – is to remain a natural, undisturbed vegetated area.

## **5. AMENDMENTS TO THE POST-CLOSURE PLAN**

As required by 257.104(d)(3), this Plan will be amended if there is a change in the operation of the CCR unit that would substantially affect the written post-closure plan in effect or if after post-closure activities have commenced, unanticipated events necessitate a revision of the written post-closure plan.

## **6. CERTIFICATIONS**

It is S&L's opinion that this written post-closure plan meets the requirements of 40 CFR 257.104(d).

## **7. REFERENCES**

1. 40 CFR Part 257 – Environmental Protection Agency Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule, Federal Register, Vol. 80, No. 74.