

INTERSTATE POWER AND LIGHT COMPANY

LEGACY SURFACE IMPOUNDMENT APPLICABILITY REPORT

FORMER SIXTH STREET GENERATING STATION

REVISION 0
NOVEMBER 8, 2024

Owner/Operator Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this demonstration and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Authorized Representative Name (signature)

MATTHEW P. COLE

Authorized Representative Name (printed)

AVP OPS SOLUTIONS AND SERVICES

Title

Date: 10/23/2024

Introduction

On May 8, 2024, the United States Environmental Protection Agency (EPA) issued the Final Legacy Coal Combustion Residual (CCR) Surface Impoundment Rule¹ (Legacy Rule) that established regulations for CCR surface impoundments at inactive facilities (legacy surface impoundments). The Legacy Rule requires that legacy surface impoundments (LSI) that no longer received CCR but contained both CCR and liquid on or after October 19, 2015, and that is located at an inactive electric utility, generally comply with the EPA requirements for inactive CCR surface impoundment in accordance with Title 40 of the Code of Federal Regulations (CFR) Part 257 Subpart D Hazardous and Solid Waste Management System; Disposal of CCR from Electric Utilities (EPA, 2015). The effective date of the Legacy Rule is November 8, 2024. An LSI Applicability Report in accordance with 40 CFR §257.100(f)(1) is required for each LSI by the Legacy Rule effective date.

On behalf of Interstate Power and Light Company (IPL), Alliant Energy has contracted with Burns & McDonnell Engineering, Inc. (Burns & McDonnell) to develop an Applicability Report for its Sixth Street Generating Station (Facility), a former coal-fired power plant, or inactive electric utility or facility, that was located in Cedar Rapids, Iowa. This Applicability Report contains the information required as outlined in 40 CFR §257.100(f)(1).

This Applicability Report was developed using information provided by Alliant Energy, publicly available online information, and aerial imagery of the facility.

¹ Hazardous and Solid Waste Management System: Disposal of Coal Combustion Residuals From Electric Utilities; Legacy CCR Surface Impoundments; 40 CFR 257, Federal Register Vol 89, May 8, 2024

LSI Evaluation

The following regulatory requirements for this report, as outlined in 40 CFR §257.100(f)(1), are each stated with the required information that must be reported.

40 CFR §257.100(f)(1)(i)(A): "The name and address of the person(s) owning and operating the legacy CCR surface impoundment with their business phone number and email address."

- Name of Owner and Operator

Interstate Power and Light Company
4902 North Biltmore Lane
Madison, WI 53718

- Authorized Representative

Matt Cole
Assistant Vice President - Operations Solutions and Services
Alliant Energy
200 First Street SE
Cedar Rapids, IA 52401
matthewcole@alliantenergy.com
(608) 458-5797

- Facility Contact

Jeff Maxted
Manager - Environmental Services & Corporate Sustainability
Alliant Energy
4902 North Biltmore Lane
Madison, WI 53718
jeffreymaxted@alliantenergy.com
(608) 458-3853

40 CFR §257.100(f)(1)(i)(B): "The name associated with the legacy CCR surface impoundment."

- Closed Ash Pond (historically referred to as Ash Pond 1, Ash Pond 2, Ash Pond 3, and Ash Pond 4)
 - These ash ponds were operated collectively, contiguous to one another, and were closed in place under one continuous cover system. Because of this, they are being considered a single LSI.

40 CFR §257.100(f)(1)(i)(C): "Information to identify the legacy CCR surface impoundment, including a figure of the facility and where the unit is located at the facility, facility address, and the latitude and longitude of the facility."

- There is no applicable address associated with the parcel containing the LSI. The address of the former plant was 509 6th St. NE, Cedar Rapids, IA 52402; however, IPL no longer owns that parcel of land.
- Latitude (decimal degrees) 41.986708
- Longitude (decimal degrees) -91.661864

A location map is depicted in Figure 1 and Figure 2.

40 CFR §257.100(f)(1)(i)(D): "The identification number of the legacy CCR surface impoundment if one has been assigned by the state."

- The state identification number associated with this LSI is #57-SDP-34-04C.

40 CFR §257.100(f)(1)(i)(E): "A description of the current site conditions, including the current use of the inactive facility."

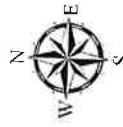
Interstate 380 (I-380), a current active interstate for the city, is located directly over the central portion of the LSI, which is not used to support IPL operations. The interstate abutments are positioned directly in the center of the LSI, with the remainder of the LSI being a grassed area. An engineered soil final cover system was installed in 2017 and 2018. The LSI is bordered by railroad tracks and Cedar Lake to the north and west, and commercial property to the south and east. The Facility ended coal combustion and retired in 2008 and was demolished in 2015.

FIGURES



LEGEND:

— Legacy Surface Impoundment
(approximate limits)



Source: Google Earth, May 2, 2024

**Legacy Surface Impoundment
Applicability Report**

November 2024



**Figure 1
Former Sixth Street
Generating Station**

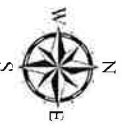
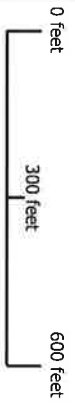
Latitude: 41.986708
Longitude: -91.661864

Interstate Power and Light Company



Imagery Date: 10/2010

LEGEND:
 Legacy Surface Impoundment
 (approximate limits)



**Legacy Surface Impoundment
 Applicability Report**

November 2024



Imagery Date: 05/2024



Figure 2
 Former Sixth Street Generating
 Station Legacy Surface
 Impoundment
 Latitude: 41.986708
 Longitude: -91.661864
 Interstate Power and Light Company

