

Annual Inspection Report

**Intermountain Power
Combustion By-Products CCR Landfill**

January 18, 2017

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1.0 Introduction

On April 17, 2015 the EPA published its final rule in the Federal Register to regulate disposal of coal combustion residuals (CCR) as a solid waste under subtitle D of the Resource Conservation and Recovery Act (RCRA). The effective date of this final rule was October 19, 2015. This final rule established several requirements for existing and new CCR landfills and existing and new CCR surface impoundments. Among them was the requirement to have a qualified professional engineer conduct annual inspections and prepare annual reports on each of the CCR units, with the initial annual inspection and report due no later than January 18, 2016. The requirements for the annual inspections and reports for CCR landfill(s) are outlined in §257.84(b).

The Intermountain Power Project (IPP) is located in Millard County Utah. The IPP is owned by Intermountain Power Agency (IPA) and operated locally by Intermountain Power Service Corporation (IPSC). IPP has one CCR landfill. This landfill's name is "Intermountain Power Combustion By-Products Landfill".

The purpose of this report is to document the annual inspection and annual report on the IPP's CCR landfill. This is the second annual report done on this CCR landfill since the rule went into effect on October 19, 2015. This report covers the period of time from January 18, 2016 until the date of this report.

2.0 Annual Inspection

2.1 Requirements for the Annual Inspection

In accordance with §257.84(b)(1), the annual inspection must include a review of available information regarding the status and condition of the CCR unit, including but not limited to, files available in the operating record such as the results or findings of inspections by a qualified person and the results or findings of previous annual inspections; and a visual inspection of the CCR unit and appurtenant structures to identify signs of distress or malfunction.

2.2 Findings of Annual Inspection

This annual inspection on the CCR landfill was performed by Hyrum Blaine Ipson who is a licensed professional engineer in the State of Utah. A copy of the inspection checklist used for the inspection is included in this annual inspection report. The annual inspection included a review of the weekly inspections, a review of previous annual inspections, and a visual inspection of the CCR unit.

3.0 Annual Inspection Report

3.1 Requirements for Annual Inspection Report

In accordance with §257.84(b)(2), the annual inspection report must address each of the following (in addition to the findings of the annual inspection discussed above):

- (i) Any changes in the geometry of the structure since the previous annual inspection;
- (ii) The approximate volume of CCR contained in the unit at the time of the inspection;
- (iii) Any appearances of an actual or potential structural weakness of the CCR unit, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit; and
- (iv) Any other change(s) which may have affected the stability or operation of the CCR unit since the previous annual inspection.

3.2 Annual Inspection Report

3.2.1 Changes in Geometry of Structure since Previous Annual Inspection

This is the second annual inspection. A total of 234,529 cubic yards of CCR material was added to the CCR unit since the last annual inspection. The landfill was not extended laterally, but rather vertically.

3.2.2 Approximate Volume of CCR Contained in CCR Unit at Time of Inspection

The approximate volume of CCR contained in the CCR unit at time of inspection was 11,310,205 cubic yards.

3.2.3 Appearances of Structural Weakness with Potential to Disrupt Operation/Safety

During the visual inspection and review of available information as discussed above in Section 2.2 above, no appearances of an actual or potential structural weakness of this CCR unit or any existing conditions were found that are disrupting or have the potential to disrupt the operation and safety of this CCR unit.

3.2.4 Changes which may have affected CCR Unit since Previous Annual Inspection

No changes have occurred which may affect the CCR unit since the previous annual inspection.

4.0 Qualified Professional Engineer

The rule requires that an annual inspection be done the corresponding annual inspection report be prepared by a qualified professional engineer. This annual inspection and corresponding annual inspection report were done by Hyrum Blaine Ipson who is a qualified professional engineer. He is a registered professional engineer and has been conducting inspections on surface water storage impoundment embankments for more than 33 years and inspections on landfills for more than 27 years.

I certify that I conducted this annual inspection and prepared the corresponding annual inspection report. The information contained herein is accurate to the best of my knowledge.

Hyrum Blaine Ipson
Hyrum Blaine Ipson

01-18-2017
Date



Checklist for Annual Inspections of CCR Landfills

Annual inspections shall be conducted to ensure that the design, construction, operation, and maintenance of the CCR unit is consistent with recognized and generally accepted good engineering standards. This checklist is intended to provide general guidance to comply with the minimum requirements for the annual inspection and report of CCR Landfills as outlined in §257.84(b) for the CCR rule. The annual inspection and report must be completed and certified by a qualified professional engineer (i.e., an individual who is licensed by the state where the CCR Unit is located as a professional engineer to practice one or more disciplines of engineering and who is qualified by education, technical knowledge and experience to make the specific technical certifications required under this subpart). The following checklist items for the inspection and report should be addressed:

1. Review of Operational Records (as applicable) including:

- Results of Inspections by A Qualified Person;
- Results of Previous Annual Inspections;
- Other Documents: _____

Comments: No problems identified

2. Conducted a visual inspection of the CCR unit to identify signs of distress or malfunction of the unit and appurtenant structures.

- Yes No Comments: Visual on Jan. 4, 2017. No signs of distress or malfunction.

3. After the inspection, an inspection report addressing items one (1) and two (2) above must be compiled. This report must also include:

- Changes in geometry of the CCR Landfill since the previous annual inspection.
- Approximate volume of CCR contained in the CCR Landfill. Storage capacity of the CCR Landfill structure at the time of the inspection.
- Any appearances of actual or potential structural weakness of the CCR Landfill.
- Any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR Landfill and appurtenant structures.
- Any other changes which may have affected the stability or operation of the CCR Landfill since the previous annual inspection.

Comments: These items included in report.

Name of Qualified Professional Engineer: Hyrum Blaine Ipson

License Number: 168299-2202

Date of Inspection/Report: Inspection 01/04/17

Signature: Hyrum Blaine Ipson