

SW136

Division of  
Solid and Hazardous Waste

MAR 19 2013  
2013-002485

## INTERMOUNTAIN POWER SERVICE CORPORATION

March 13, 2013

Mr. Scott T. Anderson, Director  
Division of Solid and Hazardous Waste  
288 North 1460 West  
P.O. Box 144880  
Salt Lake City, UT 84114-4880

Dear Mr. Anderson:

Annual Solid Waste Report for 2012, Landfill Approval #9103R3

Attached are Intermountain Power Service Corporation's two Solid Waste Landfill Annual Reports for the calendar year of 2012. One is for the Sanitary Landfill the other is the Combustion By-Products Landfill.

These landfills are permitted landfills at the Intermountain Generating Facility and are classified as Class IIIb by the Division of Solid and Hazardous Waste.

If you have questions or need further assistance, contact Mr. Jon P. Christensen, Superintendent of Technical Services at (435) 864-6401.

Sincerely,



Jon A. Finlinson  
President and Chief Operations Officer

*DPC*  
TLH/JKH:he

### Attachments

cc: Saif Mogri (w/attachments)  
Van Beckstrom (w/attachments)  
Jim Hewlett (IPA) (w/attachments)  
Blaine Ipson (w/attachments)

SW136

# LANDFILL ANNUAL REPORT

MAR 19 2013

For Calendar year 2012  
Combustion By-Products

## Administrative Information (Please enter all the information requested below)

Facility Name: Intermountain Generating Facility

Facility Mailing Address: 850 West Brush Wellman Road  
(Number & Street, Box and/or Route)

City: Delta Zip Code: 84624

County: Millard Permit Number: 9103R3

### Owner

Name: Intermountain Power Agency Phone No.: (801)938-1333

Owner Mailing Address: 10653 South River Front Parkway, Suite 120  
(Number & Street, Box and/or Route)

City: South Jordan State: Utah Zip Code: 84095

Contact Name: James A. Hewlett Contact Title: General Manager

Contact's Mailing Address: 10653 South River Front Parkway, Suite 120

Phone No.: (801)938-1333 Contact's Email Address: Jim@ipautah.com

### Operator (Complete this section only if the operator is not an employee of the Owner shown above)

Name: Intermountain Power Service Corporation Phone No.: (435)864-4414

Owner Mailing Address: 850 West Brush Wellman Road  
(Number & Street, Box and/or Route)

City: Delta State: Utah Zip Code: 84624

Contact Name: Tom Herbert Contact Title: Environmental Engineer

Contact's Mailing Address: 850 West Brush Wellman Road

Phone No.: (435)864-6493 Contact's Email Address: tom-h@ipsc.com

## Facility Type and Status

- Class I
- Class IIIb
- Class V
- Facility Closed during the year
- Class II
- Class IVa
- Class VI
- Class IIIa
- Class IVb
- Date Closed: \_\_\_\_\_

## Annual Disposal (Tons received at the facility for disposal)

Waste Type	Waste Origin		Total	Measurement	
	In-State	Out-of-State		Tons	Cubic Yards
Municipal	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Industrial	413,153.00	_____	413,153.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C/D*	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

\*C/D waste includes all waste going to a Class IV or VI landfill cell

## Conversion Factor Used

- None Used
- Site Specific
- From Rules
- List Site Specific Conversion: 1 yd3 = 2350 lb

**Recycling**

Material Recycled: \_\_\_\_\_ Reported in Tons  Cubic Yards

**Utah Disposal Fee**

Disposal fee required to be paid to State Yes  No  (If yes please show fees paid below)

Municipal: \_\_\_\_\_ Industrial: \_\_\_\_\_ C/D: \_\_\_\_\_ Annual: \_\_\_\_\_

Municipal, Industrial and C/D are fees paid by Commercial Facilities Annual fee is paid by facilities operated by a municipality

**Current Landfill Remaining Capacity**

Tons: \_\_\_\_\_ Cubic Yards: 8,308,692.00 Acre: 145.00 Years: 13.40

Acres Currently Open: 21.70 Acres Currently Closed: 126.00

**Financial Assurance**

Current Closure Cost Estimate: \$470,135.00

Current Post-Closure Cost Estimate: \$153,302.00

Current Amount or Balance in Mechanism: \$630,638.79

(If facility permit has been renewed and if balance does not equal or exceed total for closure and post-closure care please contact the Division)

Current Financial Assurance Mechanism: Trust Fund

(ie Bond, Trust Fund, Corporate or government Test etc.)

Current Financial Assurance Mechanism Holder: Utah Public Treasurers' Investment Fund #7170

(ie. Name of Bond Company, Bank etc. Account number)

**Financial Assurance.** Each facility must recalculate the cost of closure and post-closure care to account for inflation and design changes each year. The inflation factor can be found on the Division web page Facilities that are using a trust account should include a copy of the most recent account statement

**Note** Facilities using "Local Government Financial Test" or the "Corporate Financial Test" must provide the information required in R315-309-8(4) or R315-309-9(3) each year.

**Other Reports and Information to be Submitted with Annual Report**

**Ground Water Monitoring:** Class I and V landfills only. Check if **exempt**

**Explosive Gas Monitoring:** Class I, II and V landfills only. Check if **exempt**

Does the facility have a landfill gas collection system Yes  No

If yes please briefly describe use of gas, e.g., flared or used for electricity generation.

**Training Report:** A report of all training programs or procedures completed by facility personnel during the year.

**Signature:** 

**Date:** 3/13/13

Signature should be by an executive officer, general partner, proprietor, elected official, or a duly authorized representative. A duly authorized representative must meet the requirements of the solid waste rules (UAC R315-310-2(4)(d))

Type Name: Jon A Finlinson

Title: President & Chief Operations Officer

STATEMENT OF ACCOUNT

**P T I F**

UTAH PUBLIC TREASURERS' INVESTMENT FUND

Richard K. Ellis, Utah State Treasurer, Fund Manager

PO Box 142315

350 N State Street, Suite 180

Salt Lake City, Utah 84114-2315

Local Call (801) 538-1042 Toll Free (800) 395-7665

[www.treasurer.utah.gov](http://www.treasurer.utah.gov)

ESC-INTERMTN POWER AG-LANDFILL

JIM HEWLETT

10653 S RIVER FRONT PKWY STE 120

SO JORDAN UT 84095

<b>Account</b>	<b>Account Period</b>
7170	March 01, 2013 through March 31, 2013

**Summary**

Beginning Balance	\$ 616,134.90	Average Daily Balance	\$ 627,831.59
Deposits	\$ 14,503.89	Interest Earned	\$ 0.00
Withdrawals	\$ 0.00	360 Day Rate	0.0000
Ending Balance	\$ 630,638.79	365 Day Rate	0.0000

Date	Activity	Deposits	Withdrawals	Balance
03/01/2013	FORWARD BALANCE	\$ 0.00	\$ 0.00	\$ 616,134.90
03/07/2013	required	\$ 14,503.89	\$ 0.00	\$ 630,638.79
03/31/2013	ENDING BALANCE	\$ 0.00	\$ 0.00	\$ 630,638.79

## **LESSON PLAN FOR TRAINING ON IPSC'S LANDFILL PERMITS:**

IPSC has two different permitted landfills, the Sanitary Landfill and the Combustion By-Products Landfill. Both of these landfills are regulated by the State Division of Solid and Hazardous Wastes. IPSC's current landfill permits were issued in February of 2007 and run through 2017. As part of the permit conditions, IPSC is required to have a Plan of Operation for each landfill permit. IPSC's Plan of Operation consists of the landfill permit applications, the permits, and the records. These records are kept by the Environmental Group in the Administration Building.

### **SANITARY LANDFILL**

#### **Wastes Allowed in the Sanitary Landfill (landfill):**

- Miscellaneous wastes such as concrete, asphalt, glass, plaster, rubber, steel, wood, paper, plastic, grass clippings, wastepaper, lunchroom trash, etc. may be placed in the landfill.
- Some wastes such as large shipping crates, mini-bins (which must be empty), furniture need to be crushed prior to placement in the landfill.
- Empty plastic 55 gallon drums which have been crushed may be placed in the sanitary landfill. Metal 55 gallon drums should be crushed and placed in the metal recycle bin.
- Small quantities of medical waste from the First Aid Station may be landfilled, but must be buried and covered immediately when placed in the landfill.
- Miscellaneous sand and dirt with the digested wastewater sludge from the sewage treatment plant may be placed in the landfill. However, it must be dried to remove any free liquid prior to being placed in the landfill.
- Asbestos containing material may be placed in the section of the landfill set aside for this.

#### **Wastes NOT Allowed in the Sanitary Landfill (landfill):**

- Hazardous wastes as defined by hazardous waste rules (paint solvents, heavy metals, etc.)
- Any container of liquid greater than five gallons.
- Any material which contains free liquid. The oil solvent mats do not contain free liquid so it is okay to put them in the landfill.
- Any wastes that would be brought from an offsite source (households, municipal, commercial).

#### **Landfill Operation for the Sanitary Landfill (landfill):**

- The operations plan shall be kept onsite (at the Administration Building by the Environmental Group).

- The landfill shall continue to be operated so that unauthorized entry to the landfill is prevented.
- All loads are to be visually inspected by the FEO's to verify that only approved wastes are being placed in the landfill. In addition, a complete waste inspection shall be conducted at a minimum frequency of one percent of the loads received. This complete inspection is typically done by the FEO Supervisor and is documented on the back of the operational log. It is estimated that 6 to 12 dumpsters per year would be about one percent of the loads received.
- At the end of each landfill operating day, the FEO's are to determine if the landfill needs covering, and if it does, apply the cover and record how much cover was applied (6-inch minimum). The wastes should be covered as necessary to prevent fires, control vectors (rodents, birds, etc.), blowing litter, odor, scavenging, and fugitive dust. The landfill is to be covered no less than once each month, and more often if needed.
- Disposal of non-containerized material containing free liquids or any waste containing free liquids in containers larger than five gallons is prohibited.
- The landfill roads shall be maintained as necessary to assure safe and reliable all-weather access to the disposal area.
- The wastes need to be managed to prevent fires and minimize fugitive dust.
- The record of landfill operations must be kept on file, and includes the number of loads of waste and the weights or estimates of weights or volume of waste received each day of operation and recorded at the end of each landfill operating day; major deviations from the approved plan of operation must be recorded at the end of each landfill operating day the deviation occurred; results of other monitoring, records of all inspections. A daily operational log for the landfill is to be filled out each day operations are conducted at the landfill. The FEO's and/or their Supervisor are responsible for filling out this operational log. The operational log shall include the date, weight, and person taking each dumpster load to the landfill.
- The general record of landfill operations shall include a copy of the permit and application, results of any inspections, closure and post-closure plans, and training records.
- An annual report must be submitted to the State. The Environmental group prepares this report.
- The landfill operation, permit, and so on should be inspected at least quarterly,

**General Requirements for Sanitary Landfill (landfill):**

- A small berm should be constructed on the open side of the cell to prevent any water from running into the open cell. This small berm also helps act as a stop for the truck tires backing up to the cell to empty loads.

- The orientation and size of the cells are to be constructed the same as shown on the application turned into the State.
- Wastes from the plant site should only be taken to the landfill by the FEO's, not other plant personnel. All plant wastes are to be put in the dumpsters that are placed around the site. The FEO's are the only people that are to take waste directly to the landfill without prior permission.
- The FEO's need to verify that the dumpsters do not contain sludge, ash, or contaminated coal. If they do, they need to be taken to the Combustion By-Products landfill.
- When a cell is finished, a minimum of two feet of soil is to be placed over the top layer of waste. Any extra soil not used to cover the waste can be evenly spread over the finished cell.

### **COMBUSTION BY-PRODUCTIONS LANDFILL**

#### **Wastes Allowed in the Combustion By-Products Landfill (landfill):**

- Industrial solid wastes directly associated with the combustion of fossil fuels (coal) including fly ash, bottom ash and boiler slag, flue gas desulfurization wastes such as scrubber sludge, economizer and pulverizer rejects, coal contaminated with large quantities of dirt or rock, other items directly connected with the combustion of coal and co-disposed with items listed above such as the baghouse bags and cages.

#### **Wastes NOT Allowed in the Combustion By-Products Landfill (landfill):**

- Hazardous wastes, liquid wastes, household wastes, commercial wastes, any wastes that are more than 30 percent water by weight, and any wastes not listed in the allowed section above.

#### **Landfill Operation for the Combustion By-Products Landfill (landfill):**

- The operations plan shall be kept onsite (at the Administration Building by the Environmental Group).
- The landfill shall continue to be operated so that unauthorized entry to the landfill is prevented.
- No wastes other than those allowed by the permit are to be put in the landfill.
- The wastes need to be managed to prevent fires and minimize fugitive dust.
- Disposal of non-containerized material containing free liquids or any waste containing free liquids in containers larger than five gallons is prohibited. Free liquids can only be put on the landfill for dust control. Any free liquids from the guzzler truck can only be placed on the active working area of the landfill for the purpose of dust control.

- The landfill roads shall be maintained as necessary to assure safe and reliable all-weather access to the disposal area.
- The record of landfill operations must be kept on file, and includes the annual calculated volume of waste materials, any major deviations from the approved plan which are to be recorded by the end of the day the deviation occurred.
- The general record of landfill operations shall include a copy of the permit and application, results of any inspections, closure and post-closure plans, and training records.
- An annual report must be submitted to the State. The Environmental group prepares this report.
- The landfill operation, permit, and so on should be inspected at least quarterly.