PACIFICORP ENERGY
A DIVISION OF PACIFICORP

SW233

Huntington Plant
P.O. Box 680
Huntington, UT 84528

22 February 2013

Department of Environmental Quality
Division of Solid and Hazardous Waste
Attn: Scott T. Anderson, Director
288 North 1460 West
P.O. Box 144880
Salt Lake City, Utah 84114-4880

Re: **Huntington Plant – Class IIIb Landfill Annual Report**
Report for Calendar Year 2012

Dear Mr. Anderson:

In accordance with the Reporting Requirements of the Huntington Plant Class IIIb Industrial Waste Landfill permit (#002R1M1), PacifiCorp is hereby submitting a report for the period January 1, 2012 to December 31, 2012.

On April 13, 2012 PacifiCorp completed the required five year review of closure and post-closure cost estimates. Calculations for the closure and post-closure costs in the 2012 Annual Landfill report are based the five year review estimates multiplied by the Division of Solid and Hazardous Waste cost estimate multiplier of 1.01767.

The Financial Assurance Mechanism will be mailed under separate cover by 30 June 2013.

The roster for Annual Safety and Environmental Refresher Training, included, shows the subject matter required for each employee annually. Landfill permit requirements are part of that training.

If you have any questions and/or need additional information, please contact Darce Guymon at (435) 687-4305.

Sincerely,

Darrell J. Cunningham
Managing Director

Enclosure

SW233
Division of
Solid and Hazardous Waste

FEB 27 2013
2013-002072

LANDFILL ANNUAL REPORT

For Calendar year 2012

Administrative Information (Please enter all the information requested below)

Facility Name: PacifiCorp / Huntington Plant

Facility Mailing Address: P.O.Box 680
(Number & Street, Box and/or Route)

City: Huntington Zip Code: 84528

County: Emery Permit Number: 002R1M1

Owner

Name: PacifiCorp Energy Phone No.: (801)220-4639

Owner Mailing Address: 1407 West Temple, Rm 110
(Number & Street, Box and/or Route)

City: Salt Lake City State: Utah Zip Code: 84116

Contact Name: Darce Guymon Contact Title: Environmental Analyst

Contact's Mailing Address: P.O.Box 680 Huntington, Utah 84528

Phone No.: (435)687-4305 Contact's Email Address: darce.guymon@pacificorp.com

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

Name: Phone No.:

Owner Mailing Address:
(Number & Street, Box and/or Route)

City: State: Utah Zip Code:

Contact Name: Contact Title:

Contact's Mailing Address:

Phone No.: Contact's Email Address:

Facility Type and Status

- ☐ Class I
- ☐ Class II
- ☐ Class IIIa
- ☒ Class IIIb
- ☐ Class IVa
- ☐ Class IVb
- ☐ Class V
- ☐ Class VI
- ☐ Facility Closed during the year

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	0.00	0.00	0.00	☐	☐
Industrial	169.00	0.00	169.00	☒	☐
C/D*	0.00		0.00	☐	☐

*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:

Recycling

Material Recycled: 0.00 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: _____ Acre: _____ Years: 19.00

Acres Currently Open: _____ Acres Currently Closed: _____

Financial Assurance

Current Closure Cost Estimate: $648,039.76

Current Post-Closure Cost Estimate: $1,203,548.83

Current Amount or Balance in Mechanism: $1,851,588.59

(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: Corporate Financial Test

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

Current Financial Assurance Mechanism Holder: See Financial Assurance Letter to be submitted separately

(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 : 2-22-2013

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: Darrell J. Cunningham Title: Managing Director

Class IIIb Industrial Waste Landfill

Closure and Post-closure Cost Estimate Worksheet for **2012**

Huntington Industrial Landfill
Landfill Post-Closure Care Cost Estimate Worksheet
February 6, 2013

Item	Unit	Cost/Unit	No. Units	Total Cost*	References
1.0 Engineering Costs					
1.1 Post-Closure Plan	Lump	$7,479.87	1	$7,479.87	(3)
1.2 Site Inspection and Record keeping (annual)	Lump/Year	$2,966.51	30	$146,750.08	(2),(3)
1.3 Correctional Plans and Specifications (annual)	Lump/Year	$1,526.51	30	$75,514.62	(2),(3)
1.4 Site Monitoring (semiannual) & Reporting				N/A	
1.4.1 Ground Water Monitoring				N/A	
1.4.1a Ground Water Sample Collection				N/A	(1)
1.4.1b Ground Water Sample Analysis				N/A	(1)
1.4.1c Ground Water Sample Analysis Review and Reporting				N/A	(1)
1.4.2 Landfill Gas Monitoring					
1.4.2a Gas Monitoring Data Collection				N/A	(1)
1.4.2b Gas Monitoring Data Review and Reporting				N/A	(1)
2.0 Maintenance Costs					
2.1 Cover Maintenance Costs					
2.1.1 Soil Replacement	Lump/Year	$3,734.85	30	$184,759.11	(3)
2.1.2 Vegetation Reseeding	Lump/Year	$10,176.70	30	$503,430.82	(3)
2.2 Equipment Maintenance					
2.2.1 Ground Water well Maintenance and Repair				N/A	(1)
2.2.2 Gas Collection System Operation				N/A	(1)
2.2.3 Gas Collection System Maintenance and Repair				N/A	(1)
2.2.4 Leachate Collection System Operation				N/A	(1)
2.2.5 Leachate Collection System Repair and Maintenance				N/A	(1)
3.0 Leachate Disposal				N/A	(1)
4.0 Site Maintenance					
4.1 Repair of Surface Water Diversion Structures	Lump/Year	$1,526.51	30	$75,514.62	(2),(3)
4.2 Repair of Fences and Gates	Lump/Year	$1,017.67	30	$50,343.08	(2),(3)
4.3 Other Site Maintenance	Lump/Year	$1,017.67	30	$50,343.08	(2),(3)
Subtotal		**$29,446.28**		**$1,094,135.30**	
10% Contingency		**$2,944.63**		**$109,413.53**	
Post-Closure Care Total		**$32,390.91**		**$1,203,548.83**	

Total Closure and Post-Closure Costs

Total Closure Costs:	$648,039.76
Total Post-Closure Care Costs:	$1,203,548.83
Total Cost:	**$1,851,588.59**

Reference Descriptions

(1) Note Applicable for Class IIIb landfills.
(2) Engineering estimates based on similar projects.
(3) Based on additional information and assumptions (See Attachment #1).
*Calculations based on April 13,2012 five year review of closure and post closure cost estimates multiplied by DSHW cost extimate multiplier of 1.01767

Attachment #1. Additional Information & Assumptions
Huntington Power Plant
Industrial Landfill Closure and Post-Closure Cost Estimates
Revised: April 13, 2012

Closure Cost Spreadsheet

Section 1.0: Engineering Costs

1.1 Topographic Survey:
Pre-Construction Topographic Survey: Assume one-man survey crew for one day including travel = $3,900.
Post-Construction Topographic Survey: Assume one-man survey crew for one day including travel, plus map development costs = $3,900.

1.2 Boundary Survey for Closure:
Assume third-party two-man survey crew for one-half day including travel, plus map development costs =$2,500.

1.3 Site Evaluation:
Estimate a Professional Engineer at $95/hr x 30 hours = $2,850, and Staff Engineer at $75/hr x 30 hours = $2,250 plus lump travel costs of $1,395 = $6,495.

1.4 Development of Plans:
Estimate Staff Engineer at $75/hr x 80 hours =$6,000, Drafting at $75/hour x 50 hours = $3,750, and Professional Engineer at $95/hr x 30 hours = $2,850. Total Development of Plans cost = $6,000 + $3,750 +$2,850 = $12,100.

1.5 Contract Administration:
Estimate Senior Engineer at $95/hr x 80 hours = $7,600.

1.6 Administrative Closure Certification:
Estimate Project Engineer at $85/hr x 40 hours = $3,400.

1.7 Project Management, Construction Oversight and Testing:
Estimate Staff Engineer for construction oversight at $75/hr x 180 hours = $13,500, materials testing crew at $1000/day x 14 days = $14,000, and Professional Engineer at $95/hr x 60 hours = $5,700. Total Project Management, Construction Oversight = $33,200.

1.8 Monitor Well Consultant Costs:
Additional monitoring wells are not needed for this project.

1.9 Other Environmental Permit Costs:
Estimate Staff Engineer at $75/hr x 50 hours = $3,750 to obtain construction permits.

Section 2.0: Construction Costs

General Construction Assumptions:

- The required 30-inch monolithic evapo-transpiration cover will be composed of locally available native soil.

- The top 6-inches of cover soil (vegetation layer) will be created by incorporating compost and hay mulch from the plant research farm into the topsoil before seeding.
- The site conditions for the closure of the Industrial Landfill are based upon the existing topography as of February, 2012.
- Costs in Section 2.3 include seeding, fertilizer, and mulch incorporation, based on previous similar construction projects.
- Construction crews proposed for closure activities are detailed in Attachment #2, unless costs were provided by outside contractor.
- Class IIIb landfills are exempt from the installation of liners, drainage layers, leachate collection systems, and ground water monitoring (UAC R351-301 through 320).
- Excavation equipment and earthwork figures were developed using the *Caterpillar Performance Handbook* and the *RS Means Site Work and Landscape Cost Data*, unless otherwise noted.
- Adjustments for operating efficiencies, overhead, profit, and incidentals have been built into costs except where noted.
- A 10% contingency was added to the total construction cost to cover contractor performance bond, insurance, taxes, and other incidental costs.

2.1 Final Cover System

2.2 *Completion of Top Cover (30" Monolithic, Evapo-transpiration Cover)*

2.2.1a) *Site Grading and Drainage*

Sloping of the sub-grade will be necessary prior to placing any soil. The total estimated time to complete the grading is 60 hours with 2 D-9 Caterpillar Dozers. The estimated cost is ($125/hr + $50hr operator) x 60 hour/dozer x 2 dozer = $21,000.

2.2.1b) *Soil Placement (Spread)*:

The total acreage of the Industrial Landfill is 5.2 Acres (226,512 ft^2). The minimum required monolithic cap thickness to close the landfill is 30 inches (2.5 ft). The total minimum required volume of soil needed is:

$$(869{,}287 ft^2 \times 2.5\ ft) \times \left(\frac{1\ yd^3.}{27 ft^3}\right) = 80{,}489.5\ yd^3 \cong 80{,}500\ yd^3$$

Assuming a 10% factor of safety to ensure the minimum cover thickness is met, the required volume becomes:

$$80{,}500\ yd^3 \times 1.10 = 88{,}550\ yd^3\ (BCY)$$

This volume represents the total needed in-place volume or Bank Cubic Yards (BCY). This volume does not reflect the actual hauled loose cubic yards (LCY).

The LCY are calculated based on a 20% Swell Factor (SF) thus the actual hauled volume is:

$$88{,}5503\ yd^3(BCY) \times 1.20(SF) = 106{,}260\ yd^3\ (LCY)$$

Scrapers will transport and spread the soil for the Infiltration Layer. The total time required for the scrapers becomes:

$$Average\ Production\ per\ Scraper\ = \frac{30\ LCY}{5\ min} \times \frac{60\ min}{hour} = 360\ \frac{LCY}{hr}$$

Total scraper time per scraper, is as follows:

$$\frac{106{,}260\ LCY}{360\ \frac{LCY}{hr}} = 295.2\ \frac{hrs}{Scraper}$$

For two scrapers, the total project time is:

$$\frac{295.2\ \frac{hrs}{Scraper}}{2\ Scrapers} = 147.6\ hrs$$

The unit cost for Scrapers is as follows: $140/hr for the equipment and $50/hr for the operator for a total of $190/hr for each scraper.

Two dozers will also be needed, one to push the scrapers and one to spread the material. The total dozer time for this task becomes: 2 dozers X 147.6 hrs = 295.2 hrs

2.2.1c) *Soil Processing (Compaction)*:
Soil compaction will be performed by a Caterpillar 825H soil compactor in 8-inch loose lifts, resulting in 6-inch compacted lifts. 4 passes per lift are estimated to meet compaction requirements. Soil compaction will be done on the entire 30 inches of the cap. The unit cost for the compaction of the material is $0.75/LCY. The total material to be compacted is 106,260 LCY.

2.2.1d) *Soil Amendment*:
The top 6-inch Erosion Control Layer will be amended with hay from the Huntington Plant's on site research farm and commercially available compost. The amendments will be mixed in with the Erosion Control Layer prior to spreading. Based on similar projects, an estimated 1.5 tons/acre of amendments will be needed at a unit cost of $1,000/ton for a total cost of $30,000.

2.2.1e) *Soil Transport from On-site*:
It is assumed that adequate soil can be obtained on-site within one mile of the landfill site. The unit soil transportation cost was determined to be $0.68/BCY. The soil transportation cost becomes:

$$88{,}550\ BCY \times \frac{\$0.68}{BCY} = \$60{,}214$$

2.2.1f) *Mulch Transportation*:
Hay from the plant research farm will be used as mulch for the final reclamation and seeding. Assuming a 2-mile roundtrip from the research farm to the landfill, a 3-inch layer of hay mulch incorporated into the cover and an estimated density of 350lb/CY for hay, the total amount of hay required is 1408 Tons. Assuming each truck can carry 15 tons/load and an hourly cost of $103 for truck and operator, the unit cost to transport hay is $2.13/Ton.

2.3 Revegetation

2.3.1 *Seeding (Includes seed, mulch incorporation and fertilizer)*:
Based on various re-vegetation estimates developed from similar projects, a cost of $5,000/acre will be used for revegetation work, which includes seeding, mulching and fertilizing. The total cost to revegetate the landfill will be $5,000/acre x 20 acres (surface area of landfill) = $100,000.00. The production of the revegetation crew is estimated at approximately 5 acre/day. The time to complete vegetative work at the site would be 4 days.

2.4 *Site Fencing & Security*: Access to the industrial landfill is already controlled through a large berm around the landfill area, with a locking gate on the access road. As a result, no fencing costs have been included.

Section 3: Gas Collection Costs

The Huntington Industrial Landfill is exempt from gas collection requirements.

Post-Closure Cost Spreadsheet

General Post-Closure Assumptions:

- The post-closure care period has been estimated at 30 years.
- For erosion layer repair (Section 2.1.1), replacement of 6-inches of cover over 10% of the landfill area per year was assumed.
- For vegetation repair (Section 2.1.2), replacement of 10% of the landfill area per year was assumed.

Section 1: Engineering Costs

1.1 Post-Closure Plan:
Estimate Staff Engineer at $75/hr x 60 hours = $4,500 and a Professional Engineer at $95/hr x 30 hours = $2,850.

1.2 Site Inspection & Recordkeeping:
Estimate a Professional Engineer at $95/hr x 16 hours = $1,520, plus lump travel costs of $1,395 = $2,915.

1.3 Correctional Plans:
Estimate Staff Engineer at $75/hr x 20 hours = $1,500.

1.4 Site Monitoring:
The Huntington Landfill is exempt from ground water monitoring and gas collection requirements.

Section 2: Maintenance Costs

2.1 Cover Maintenance Costs

2.1.1 Soil Replacement:
Assuming 10% of the Erosion Layer cover must be replaced each year and the area to be replaced is 6-inches thick, the total expected annual cost of cover material is (using April 2012 dollar value):

$$869{,}287 ft^2 \times 10\% \times 0.5 ft \times \frac{yd^3}{27 ft^3} \times \frac{\$0.68 + \$0.75 + \$0.85}{yd^3} \cong \$3{,}670$$

2.1.2 Vegetation Reseeding:
The total area of the landfill is 869,287 SF or 20 acres x 0.10 = 2.0 acres. The unit cost to revegetate (seeding, fertilizing, and mulching) the area is $5,000/acre. Therefore, the annual cost to revegetate 10% of the landfill area is 2.0 acres x $5,000/acre = $10,000 (April 2012 dollar value).

Section 3: Leachate Disposal Costs

The Huntington Industrial Landfill will not require a leachate collection system.

Section 4: Site Maintenance Costs

4.1 Repair of Surface Water Diversion Structures:
The existing storm water system transmits runoff to storm water collection benches along the face of the landfill and over to a ditch that runs at the landfill toe to a storm water detention pond. This ditch and storm water detention pond will be maintained and cleaned on an annual basis. Estimate lump cost of $1,500 (April 2012 dollar value) per year.

4.2 Repair of Fences & Gates:
Fences, gates, signs, roadblocks etc. will be maintained and repaired on an annual basis. Estimate an annual cost of $1,000 (April 2012 dollar value) per year.

4.3 Other Site Maintenance:
Estimate annual cost of $1,000 (April 2012 dollar value) per year for miscellaneous maintenance costs associated with the landfill.

Class IIIb Industrial Waste Landfill

Summary of log sheets for loads of waste taken to this landfill in **2012**

Huntington Power Plant Industrial Waste Disposal to On-Site Landfill **2012**

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Annual
Number of Loads:	42	26	27	33	**128**
Tons Disposed:	67	27	28	47	**169**
Est'd Uncompacted Volume (yds):	955	575	28	833	**3,016**

Transferred from	Date of Transfer	Total Weight (lbs)	Tare Weight (lbs)	Net Weight (lbs)	Net Weight (tons)	Est'd Uncomp'd Volume (yds)
Huntington Power Plant	01/03/12	34,430	33,000	1,430	0.7	17
Huntington Power Plant	01/03/12	35,110	33,000	2,110	1.1	19
Huntington Power Plant	01/04/12	45,000	33,000	12,000	6.0	14
Huntington Power Plant	01/05/12	34,100	33,000	1,100	0.6	26
Huntington Power Plant	01/05/12	35,125	33,000	2,125	1.1	20
Huntington Power Plant	01/05/12	33,800	33,000	800	0.4	15
Huntington Power Plant	01/10/12	40,000	33,000	7,000	3.5	16
Huntington Power Plant	01/10/12	35,170	33,000	2,170	1.1	26
Huntington Power Plant	01/10/12	44,000	33,000	11,000	5.5	18
Huntington Power Plant	01/12/12	33,400	32,000	1,400	0.7	30
Huntington Power Plant	01/17/12	53,210	33,000	20,210	10.1	20
Huntington Power Plant	01/19/12	37,500	32,000	5,500	2.8	30
Huntington Power Plant	01/24/12	35,125	33,000	2,125	1.1	26
Huntington Power Plant	01/26/12	38,500	33,000	5,500	2.8	25
Huntington Power Plant	01/26/12	34,380	33,000	1,380	0.7	25
Huntington Power Plant	01/26/12	35,710	33,000	2,710	1.4	25
Huntington Power Plant	01/31/12	33,950	33,000	950	0.5	14
Huntington Power Plant	02/02/12	33,100	32,000	1,100	0.6	20
Huntington Power Plant	02/07/12	35,840	33,000	2,840	1.4	30
Huntington Power Plant	02/09/12	35,140	33,000	2,140	1.1	26
Huntington Power Plant	02/09/12	34,820	33,000	1,820	0.9	22
Huntington Power Plant	02/09/12	34,000	33,000	1,000	0.5	18
Huntington Power Plant	02/14/12	35,180	33,000	2,180	1.1	25
Huntington Power Plant	02/16/12	35,420	33,000	2,420	1.2	30
Huntington Power Plant	02/21/12	33,200	32,000	1,200	0.6	30
Huntington Power Plant	02/21/12	33,140	32,000	1,140	0.6	28
Huntington Power Plant	02/23/12	35,380	33,000	2,380	1.2	25
Huntington Power Plant	02/28/12	35,780	33,000	2,780	1.4	20
Huntington Power Plant	03/01/12	35,100	33,000	2,100	1.1	20
Huntington Power Plant	03/05/12			8,000	4.0	12
Huntington Power Plant	03/08/12	34,150	33,000	1,150	0.6	20
Huntington Power Plant	03/08/12	35,540	33,000	2,540	1.3	20
Huntington Power Plant	03/08/12	34,575	33,000	1,575	0.8	20
Huntington Power Plant	03/15/12	34,980	33,000	1,980	1.0	25
Huntington Power Plant	03/15/12	35,640	33,000	2,640	1.3	25
Huntington Power Plant	03/15/12	35,740	33,000	2,740	1.4	30
Huntington Power Plant	03/15/12	36,110	33,000	3,110	1.6	30
Huntington Power Plant	03/15/12	35,200	33,000	2,200	1.1	30
Huntington Power Plant	03/22/12	34,360	33,000	1,360	0.7	20
Huntington Power Plant	03/22/12	35,150	33,000	2,150	1.1	24
Huntington Power Plant	03/29/12	34,000	33,000	1,000	0.5	19
Huntington Power Plant	03/29/12	34,500	33,000	1,500	0.8	20

Huntington Power Plant	04/04/12	37,200	33,000	4,200	2.1	30
Huntington Power Plant	04/04/12	34,200	33,000	1,200	0.6	30
Huntington Power Plant	04/04/12	34,210	33,000	1,210	0.6	25
Huntington Power Plant	04/12/12	35,050	33,000	2,050	1.0	19
Huntington Power Plant	04/12/12	34,250	33,000	1,250	0.6	18
Huntington Power Plant	04/12/12	34,000	33,000	1,000	0.5	20
Huntington Power Plant	04/19/12	35,125	33,000	2,125	1.1	26
Huntington Power Plant	04/19/12	34,590	33,000	1,590	0.8	20
Huntington Power Plant	04/26/12	35,170	33,000	2,170	1.1	15
Huntington Power Plant	05/02/12	35,220	33,000	2,220	1.1	26
Huntington Power Plant	05/02/12	34,550	33,000	1,550	0.8	20
Huntington Power Plant	05/10/12	35,150	33,000	2,150	1.1	26
Huntington Power Plant	05/10/12	34,130	33,000	1,130	0.6	18
Huntington Power Plant	05/17/12	34,000	33,000	1,000	0.5	14
Huntington Power Plant	05/17/12	34,540	33,000	1,540	0.8	20
Huntington Power Plant	05/17/12	35,020	33,000	2,020	1.0	20
Huntington Power Plant	05/24/12	35,000	33,000	2,000	1.0	15
Huntington Power Plant	05/24/12	37,000	33,000	4,000	2.0	20
Huntington Power Plant	06/07/12	34,560	33,000	1,560	0.8	22
Huntington Power Plant	06/07/12	34,155	33,000	1,155	0.6	20
Huntington Power Plant	06/14/12	34,058	33,000	1,058	0.5	21
Huntington Power Plant	06/14/12	35,125	33,000	2,125	1.1	20
Huntington Power Plant	06/21/12	37,170	33,000	4,170	2.1	30
Huntington Power Plant	06/21/12	35,240	33,000	2,240	1.1	25
Huntington Power Plant	06/28/12	37,710	33,000	4,710	2.4	25
Huntington Power Plant	06/28/12	35,570	33,000	2,570	1.3	30
Huntington Power Plant	07/05/12	34,050	33,000	1,050	0.5	18
Huntington Power Plant	07/12/12	35,150	33,000	2,150	1.1	26
Huntington Power Plant	07/12/12	35,250	33,000	2,250	1.1	20
Huntington Power Plant	07/19/12	36,200	33,000	3,200	1.6	30
Huntington Power Plant	07/19/12	35,170	33,000	2,170	1.1	25
Huntington Power Plant	07/26/12	34,120	33,000	1,120	0.6	25
Huntington Power Plant	08/02/12	34,950	33,000	1,950	1.0	25
Huntington Power Plant	08/02/12	34,170	33,000	1,170	0.6	20
Huntington Power Plant	08/09/12	34,200	33,000	1,200	0.6	20
Huntington Power Plant	08/14/12	34,025	33,000	1,025	0.5	24
Huntington Power Plant	08/14/12	33,750	33,000	750	0.4	20
Huntington Power Plant	08/16/12	34,970	33,000	1,970	1.0	25
Huntington Power Plant	08/16/12	35,250	33,000	2,250	1.1	30
Huntington Power Plant	08/23/12	35,760	33,000	2,760	1.4	30
Huntington Power Plant	08/23/12	34,810	33,000	1,810	0.9	25
Huntington Power Plant	08/23/12	34,530	33,000	1,530	0.8	25
Huntington Power Plant	08/30/12	34,710	33,000	1,710	0.9	25
Huntington Power Plant	08/30/12	34,110	33,000	1,110	0.6	20
Huntington Power Plant	09/06/12	35,450	33,000	2,450	1.2	25
Huntington Power Plant	09/06/12	35,100	33,000	2,100	1.1	25
Huntington Power Plant	09/13/12	35,680	33,000	2,680	1.3	25
Huntington Power Plant	09/13/12	34,970	33,000	1,970	1.0	20
Huntington Power Plant	09/20/12	33,000	29,000	4,000	2.0	20
Huntington Power Plant	09/20/12	35,000	29,000	6,000	3.0	30
Huntington Power Plant	09/27/12	34,200	33,000	1,200	0.6	20
Huntington Power Plant	09/27/12	34,910	33,000	1,910	1.0	25

Huntington Power Plant	09/27/12	35,110	33,000	2,110	1.1	30
Huntington Power Plant	10/04/12	36,720	33,000	3,720	1.9	30
Huntington Power Plant	10/04/12	35,980	33,000	2,980	1.5	30
Huntington Power Plant	10/04/12	35,110	33,000	2,110	1.1	25
Huntington Power Plant	10/11/12	35,110	33,000	2,110	1.1	25
Huntington Power Plant	10/11/12	36,100	33,000	3,100	1.6	25
Huntington Power Plant	10/11/12	35,560	33,000	2,560	1.3	25
Huntington Power Plant	10/18/12	35,820	33,000	2,820	1.4	25
Huntington Power Plant	10/18/12	36,210	33,000	3,210	1.6	25
Huntington Power Plant	10/18/12	35,750	33,000	2,750	1.4	25
Huntington Power Plant	10/25/12	34,000	33,000	1,000	0.5	21
Huntington Power Plant	10/25/12	34,300	33,000	1,300	0.7	20
Huntington Power Plant	10/25/12	35,250	33,000	2,250	1.1	26
Huntington Power Plant	10/25/12	53,000	33,000	20,000	10.0	20
Huntington Power Plant	11/01/12	36,780	33,000	3,780	1.9	30
Huntington Power Plant	11/01/12	35,120	33,000	2,120	1.1	25
Huntington Power Plant	11/08/12	34,250	33,000	1,250	0.6	22
Huntington Power Plant	11/08/12	34,050	33,000	1,050	0.5	20
Huntington Power Plant	11/08/12	35,170	33,000	2,170	1.1	26
Huntington Power Plant	11/15/12	35,450	33,000	2,450	1.2	25
Huntington Power Plant	11/15/12	35,100	33,000	2,100	1.1	20
Huntington Power Plant	11/20/12	35,200	33,000	2,200	1.1	25
Huntington Power Plant	11/20/12	34,970	33,000	1,970	1.0	20
Huntington Power Plant	11/28/12	35,900	33,000	2,900	1.5	30
Huntington Power Plant	11/28/12	36,540	33,000	3,540	1.8	30
Huntington Power Plant	11/28/12	36,270	33,000	3,270	1.6	30
Huntington Power Plant	12/06/12	35,000	33,000	2,000	1.0	26
Huntington Power Plant	12/06/12	34,250	33,000	1,250	0.6	26
Huntington Power Plant	12/13/12	34,910	33,000	1,910	1.0	25
Huntington Power Plant	12/13/12	36,200	33,000	3,200	1.6	30
Huntington Power Plant	12/13/12	35,470	33,000	2,470	1.2	30
Huntington Power Plant	12/13/12	35,880	33,000	2,880	1.4	30
Huntington Power Plant	12/20/12	34,350	33,000	1,350	0.7	26
Huntington Power Plant	12/20/12	33,850	33,000	850	0.4	15

Annual Safety and Environmental Refresher Training

ASERT 2012

Plant employees are required to attend ASERT each year. The attached rosters show the subject matter covered, including **landfill operation**.

TRAINING ATTENDANCE ROSTER for Multiple BET Numbers

All Fields Are REQUIRED – Call 503.813.5955 With Questions

Training Location: Huntington Plant **Training Date:** 7 Feb '12

Course Title(s): ASERT / Environmental Training

BET#:		**Start Time:**	**End Time:**
BET#:	50006595 - SPCC	**Start Time:**	**End Time:**
BET#:	50006603 – Contingency Plan	**Start Time:**	**End Time:**
BET#:		**Start Time:**	**End Time:**
BET#:	50007043 – Electric Lake	**Start Time:**	**End Time:**
BET#:	50006682 – Landfill Operation	**Start Time:**	**End Time:**
BET#:	50014293 – Title V Permit	**Start Time:**	**End Time:**
BET#:		**Start Time:**	**End Time:**
BET#:	50006622 – Storm Water Plan	**Start Time:**	**End Time:**
BET#:	50006651 – Recycling / Waste	**Start Time:**	**End Time:**
BET#:	50006670 = Used Oil Mgmt	**Start Time:**	**End Time:**
BET#:	50007042 – Hazardous Waste	**Start Time:**	**End Time:**

Instructor: Neilson, Giles, Guymon **Submitted by:**

	Emp. #	Print Name	Signature - *see notes below* **
1	13710	Boe Taylor	Boe Taylor
2	10504	Ted Wells	Ted Wells
3	8573	Ron Fausett	Ron Fausett
4	7613	Dale J Wilson	D. J. Wilson
5	10942	Steve Jeppson	Steve Jeppson
6	10070	Kip Cotner	K. Cotner
7	10951	DARRELL DEAN PLATERO	DARRELL DEAN PLATERO
8	8654	Charles Fausett	C Fausett
9	10603	Greg Buckmiller	Greg Buckmiller
10	12493	John Yokkavich	John Yokkavich
11	09906	JON GORDON	Jon Gordon
12	18455	Ronan Curtis	Ronan Curtis
13	8095	Leon ERRAMOUSPE	Leon Erramouspe
14	8828	Mitzi Tsosie	Mitzi Tsosie
15	11273	Mable Crane	Mable Crane
16	2359	Johnnie Crocco	Johnnie Crocco
17	8105	Jon C Barker	Jon C Barker
18	22292	John Flores	John Flores
19	21196	Kenny Black	
20	22525	Will Lester	Will Lester

* Trainers may indicate attendance by checking box next to P# of **each employee** present and signing below.

Trainer: I certify to the accuracy of the information contained in this roster _____
Signature

Signatures are required for PacifiCorp Security Training, CIPS Overview and FERC courses

➲ Submit to **HR Service Center** • Internal Mail: **LCT 1800** • FAX: **503-813-6880** • E-Mail: **Training**

HR USE ONLY SAP Input By: BE #: Date:

TRAINING ATTENDANCE ROSTER for Multiple BET Numbers

All Fields Are REQUIRED – Call 503.813.5955 With Questions

Training Location: Huntington Plant **Training Date:** 7 Feb '12

Course Title(s): ASERT / Environmental Training

BET#:		**Start Time:**	**End Time:**
BET#:	50006595 - SPCC	**Start Time:**	**End Time:**
BET#:	50006603 – Contingency Plan	**Start Time:**	**End Time:**
BET#:		**Start Time:**	**End Time:**
BET#:	50007043 – Electric Lake	**Start Time:**	**End Time:**
BET#:	50006682 – Landfill Operation	**Start Time:**	**End Time:**
BET#:	50014293 – Title V Permit	**Start Time:**	**End Time:**
BET#:		**Start Time:**	**End Time:**
BET#:	50006622 – Storm Water Plan	**Start Time:**	**End Time:**
BET#:	50006651 – Recycling / Waste	**Start Time:**	**End Time:**
BET#:	50006670 = Used Oil Mgmt	**Start Time:**	**End Time:**
BET#:	50007042 – Hazardous Waste	**Start Time:**	**End Time:**

Instructor: Neilson, Giles, Guymon **Submitted by:**

	Emp. #	Print Name	Signature - *see notes below* **
1	1-965	Steven Erramouspe	Steven Erramouspe
2	7177	David Kirkwood	David R. Kirkwood
3	8528	Lawrence Valdez	Lawrence Valdez
4	21744	Josh [illegible]	Josh Nelson
5	14708	Angie Peacock	Angie Peacock
6	30243	Cami Bailey	Cami Bailey
7	10627	VAL JENKINS	VE Jenkins
8	16275	JEANNINE THOMSEN	Jeannine Thomsen
9	8518	Tom Gazell	
10	16744	Richard Neilson	
11	11138	Dave Guymon	
12	5330	Bradley Giles	
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Signature

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HR USE ONLY *SAP Input By:* *BE #:* *Date:*

TRAINING ATTENDANCE ROSTER for Multiple BET Numbers

All Fields Are REQUIRED – Call 503.813.5955 With Questions

Training Location: Huntington Plant **Training Date:** 14 Feb '12

Course Title(s): ASERT / Environmental Training

BET#:		**Start Time:**	**End Time:**
BET#:	50006595 - SPCC	**Start Time:**	**End Time:**
BET#:	50006603 – Contingency Plan	**Start Time:**	**End Time:**
BET#:		**Start Time:**	**End Time:**
BET#:	50007043 – Electric Lake	**Start Time:**	**End Time:**
BET#:	50006682 – Landfill Operation	**Start Time:**	**End Time:**
BET#:	50014293 – Title V Permit	**Start Time:**	**End Time:**
BET#:		**Start Time:**	**End Time:**
BET#:	50006622 – Storm Water Plan	**Start Time:**	**End Time:**
BET#:	50006651 – Recycling / Waste	**Start Time:**	**End Time:**
BET#:	50006670 = Used Oil Mgmt	**Start Time:**	**End Time:**
BET#:	50007042 – Hazardous Waste	**Start Time:**	**End Time:**

Instructor: Neilson, Giles, Guymon **Submitted by:**

	Emp. #	Print Name	Signature - *see notes below* **
1	28323	Phillip Keller	
2	8099	Ray Garcia	
3	9273	Mike Mourances	
4	10033	Jim Barney	
5	11408	Rick Hanson	
6	6814	Pete Cowley	
7	8891	Phil Omana	
8	10903	Ernie Putnam	
9	10191	Tom Kreek	
10	10507	Steve Knighton	
11	8278	Leon Pullar	
12	6670	K. Duches	
13	15522	Eric Olsen	
14	6615	BOB ROBERTSON	
15	7656	L. Howell	
16	10467	Tracy Behling	
17	9514	Ginger Wisenand	
18	15580	TJ Seely	
19	6950	LARRY Newby	
20	6758	Tom Gutierrez	

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Trainer: I certify to the accuracy of the information contained in this roster _____
Signature

Signatures are required for PacifiCorp Security Training, CIPS Overview and FERC courses

➲ Submit to **HR Service Center** • Internal Mail: **LCT 1800** • FAX: **503-813-6880** • E-Mail: **Training**

TRAINING ATTENDANCE ROSTER for Multiple BET Numbers

All Fields Are REQUIRED – Call 503.813.5955 With Questions

Training Location: Huntington Plant **Training Date:**

Course Title(s): ASERT / Environmental Training

BET#:	50006578 – General EMS	**Start Time:**	**End Time:**
BET#:	50006595 - SPCC	**Start Time:**	**End Time:**
BET#:	50006603 – Contingency Plan	**Start Time:**	**End Time:**
BET#:	50039254 – Asbestos & Lead	**Start Time:**	**End Time:**
BET#:	50007043 – Electric Lake	**Start Time:**	**End Time:**
BET#:	50006682 – Landfill Operation	**Start Time:**	**End Time:**
BET#:	50014293 – Title V Permit	**Start Time:**	**End Time:**
BET#:	50007397 – Fugitive Dust Control	**Start Time:**	**End Time:**
BET#:	50006622 – Storm Water Plan	**Start Time:**	**End Time:**
BET#:	50006651 – Recycling / Waste	**Start Time:**	**End Time:**
BET#:	50006670 = Used Oil Mgmt	**Start Time:**	**End Time:**
BET#:	50007042 – Hazardous Waste	**Start Time:**	**End Time:**

Instructor: **Submitted by:**

	Emp. #	Print Name	Signature - *see notes below* **
1	20012	J.D. LEFFLER	
2	10432	PHIL JENSEN	
3	10478	DAVE MAYNARD	
4	12247	KEN ELG	
5	22887	Katie Barnum	
6			
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Signature

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TRAINING ATTENDANCE ROSTER for Multiple BET Numbers

All Fields Are REQUIRED – Call 503.813.5955 With Questions

Training Location: Huntington Plant **Training Date:** 21 Feb 2012

Course Title(s): ASERT / Environmental Training

BET#:		**Start Time:**		**End Time:**	
BET#:	50006595 - SPCC	**Start Time:**	0700	**End Time:**	0720
BET#:	50006603 – Contingency Plan	**Start Time:**	0720	**End Time:**	0740
BET#:		**Start Time:**		**End Time:**	
BET#:	50007043 – Electric Lake	**Start Time:**	0740	**End Time:**	0820
BET#:	50006682 – Landfill Operation	**Start Time:**	0820	**End Time:**	0915
BET#:	50014293 – Title V Permit	**Start Time:**	0915	**End Time:**	0945
BET#:		**Start Time:**		**End Time:**	
BET#:	50006622 – Storm Water Plan	**Start Time:**	0945	**End Time:**	1000
BET#:	50006651 – Recycling / Waste	**Start Time:**	1000	**End Time:**	1020
BET#:	50006670 = Used Oil Mgmt	**Start Time:**	1020	**End Time:**	1040
BET#:	50007042 – Hazardous Waste	**Start Time:**	1040	**End Time:**	1100

Instructor: Guymon, Neilson, Giles **Submitted by:** D. Verdi

	Emp. #	Print Name	Signature - *see notes below* **
1	4474	Leonard Bell	
2	P05742	Patrick Daugherty	Patrick Daugherty
3	11135	David Verdi	David L Verdi
4	6671	Rick Rasmussen	Rick A Rasmussen
5	14218	Brett Barker	Brett Barker
6	17381	Anja Earley	Anja Earley
7	11695	DARREL A BELTMAN	Darrel Beltman
8	7442	Layne Miller	Layne Miller
9	7783	FRANK SALOMANNO	
10	7444	[illegible] Butler	
11	13182	John Anselmo	
12	5324	Glenn Pinterich	
13	4895	RON [illegible]	
14	11153	Mark Rutherford	
15	12875	Pete Alger	Pete Alger
16			
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* Trainers may indicate attendance by checking box next to P# of **each employee** present and signing below.

Trainer: I certify to the accuracy of the information contained in this roster _____
Signature

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HR USE ONLY *SAP Input By:* *BE #:* *Date:*

TRAINING ATTENDANCE ROSTER for Multiple BET Numbers

All Fields Are REQUIRED – Call 503.813.5955 With Questions

Training Location: Huntington Plant **Training Date:** 21 Feb 2012

Course Title(s): ASERT / Environmental Training

BET#:		**Start Time:**		**End Time:**	
BET#:	50006595 - SPCC	**Start Time:**	0700	**End Time:**	0720
BET#:	50006603 – Contingency Plan	**Start Time:**	0720	**End Time:**	0740
BET#:		**Start Time:**		**End Time:**	
BET#:	50007043 – Electric Lake	**Start Time:**	0740	**End Time:**	0820
BET#:	50006682 – Landfill Operation	**Start Time:**	0820	**End Time:**	0915
BET#:	50014293 – Title V Permit	**Start Time:**	0915	**End Time:**	0945
BET#:		**Start Time:**		**End Time:**	
BET#:	50006622 – Storm Water Plan	**Start Time:**	0945	**End Time:**	1000
BET#:	50006651 – Recycling / Waste	**Start Time:**	1000	**End Time:**	1020
BET#:	50006670 = Used Oil Mgmt	**Start Time:**	1020	**End Time:**	1040
BET#:	50007042 – Hazardous Waste	**Start Time:**	1040	**End Time:**	1100

Instructor: Guymon, Giles, Neilson **Submitted by:** D. VERDI

	Emp. #	Print Name	Signature - *see notes below* **
1	15224	Jim Lantz II	J.N. Lantz II
2	16841	Clayton Kienholz	Clayton Kienholz
3	7488	Tim Noyes	Tim Noyes
4	9803	Pat O'Neil	Pat O'Neil
5	97404	Lance Ballard	Lance Ballard
6	243	Kirk McQuivey	Kirk McQuivey
7	10967	Larry Butler	Larry Butler
8	10945	Kent Procarione	Kent Procarione
9	857	Ken Kirkwood	Ken Kirkwood
10	8143	DAN WHITELEATHER	Dan Whiteleather
11	14170	MELANIE PORTER	Melanie Porter
12	9902	Micheal T. Potts	Micheal T. Potts
13	7022	Wayne Stewart	Wayne Stewart
14	16340	Chip Farnsworth	Chip Farnsworth
15	10374	Bob Heino	Bob Heino
16	28915	Holly Jorgensen	Holly Jorgensen
17	16467	Jeremy Hobbs	Jeremy Hobbs
18	11791	Robin Burr	Robin Burr
19	9587	ANDREW SKERL	Andrew Skerl
20	11229	Joel Ivie	Joel Ivie

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Trainer: I certify to the accuracy of the information contained in this roster _____
Signature

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HR USE ONLY *SAP Input By:* *RF #:* *Date:*