0033

Incoming
C0150018
C0150009
C0150019
K

**From:** "Davis, Guy" <David.Davis@PacifiCorp.com>
**To:** "DEQ- Mike Herkimer" <mherkimer@utah.gov>, "Edith Van Vleet" <evanvleet@...
**CC:** "Davis, Guy" <David.Davis@PacifiCorp.com>, "DOGM Water Reports" <ogmcoal...
**Date:** 12/10/2009 9:21 AM
**Subject:** November 2009 DMR / Energy West Mining Company
**Attachments:** Sept09Cover.pdf; November 2009.pdf

Guy Davis
Sr. Env. Health Specialist
Office 435-687-4711
Fax 435-687-2695

ENERGY WEST
MINING COMPANY
A SUBSIDIARY OF PACIFICORP

**Energy West Mining Company**
**P. O. Box 310**
**15 No Main Street**
**Huntington, UT 84528**

October 9, 2009

Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, UT 84114-4870

Gentleman:

Enclosed are the monthly discharge reports for the Deer Creek, Trail Mountain, Cottonwood/Wilberg mines and the Hunter Coal Preparation and Blending Facility for the month of September 2009. All other parameters were in compliance with UPDES permits.

If you have any questions concerning these reports, please feel free to call Guy Davis at (435) 687-4711.

Sincerely,

H. Earl Snow
Mine Manager

Encl

CC: Division of Oil, Gas and Mining
Coal Regulatory Program
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801
Guy Davis w/ enclosures
Ken Fleck "

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Hunter Coal Preparation Plant**

| UTG040009 |
|---|
| Permit Number |

| 11/01/2009 | 11/30/2009 |
|---|---|
| Monitoring Period | |

Minor
F - Final, Combination 001 and 002

| SUM A |
|---|
| Discharge Number |

No Discharge [X]

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Solids, Total Dissolved | Sample Measurement | ******* | | | ******* | ******* | ******* | | | | |
| 70295 1 0 0 Effluent Gross Value | Permit Requirement | ****** | 2000 Daily max | lbs/day | ******* | ******* | ******* | | | Monthly | Grab |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |

No Discharge From 001 & 002

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| Carl Pollastro - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
If each outfall cannot achieve a 30 day average of 500 mg/L, then the permittee is limited to one ton (2000 lbs) per day as a sum from all outfalls.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Hunter Coal Preparation Plant**

| UTG040009 | 11/01/2009 | 11/30/2009 | 002 | No Discharge |
|---|---|---|---|---|
| Permit Number | Monitoring Period | | Discharge Number | [X] |

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | | | | ******* | ******* | ******* | | | | |
| 00056 1 0 0 Effluent Gross Value | Permit Requirement | Report 30 day avg | Report Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measured |
| pH | Sample Measurement | ******* | ******* | | | ******* | | | | | |
| 00400 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | 9.0 Inst max | SU | | Monthly | |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | ******* | | | | | | |
| 00530 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 25 30 day avg | 35 [illegible] avg | [illegible] daily max | mg/L | | Monthly | Grab |
| Settleable Solids | Sample Measurement | ******* | ******* | | ******* | ******* | ******* | | | | |
| 00545 R 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 0.5 Daily max | mL/L | | Monthly | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 01045 10 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 1.0 Daily max | mg/L | | Monthly | Grab |
| Solids, Total Dissolved | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 70295 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 500 mg/L 30 day avg | mg/L | | Monthly | Grab |
| Oil and Grease, Visual | Sample Measurement | ******* | | | ******* | ******* | ******* | | | | |
| 84066 1 0 0 Effluent Gross Value | Permit Requirement | ******* | 10 inst max | mg/L | ******* | ******* | ******* | | | Monthly | Visual/Grab |

No Discharge

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| Carl Pollastro - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
Oil and grease not to exceed 10 mg/L if sheen is observed. Settleable solids shall be measured during storm water discharge and not exceed 0.5 ml/L.

Copied from EPA Form 3320-1 (8-95)

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Hunter Coal Preparation Plant**

| UTG040009 |
|---|
| Permit Number |

| 11/01/2009 | 11/30/2009 |
|---|---|
| Monitoring Period | |

| 001 |
|---|
| Discharge Number |

No Discharge [X]

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | | | | ******* | ******* | ******* | | | | |
| 00056 1 0 0 Effluent Gross Value | Permit Requirement | Report 30 day avg | Report Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measured |
| pH | Sample Measurement | ******* | ******* | | | ******* | | | | | |
| 00400 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | [illegible] max | SU | | Monthly | |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | | | | | | | |
| 00530 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 25 [illegible]0 day av[illegible] | [illegible] 7[illegible] day avg | 70 daily max | mg/L | | Monthly | Grab |
| Settleable Solids | Sample Measurement | ******* | ******* | | ******* | ******* | ******* | | | | |
| 00545 R 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 0.5 Daily max | mL/L | | Monthly | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 01045 10 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 1.0 Daily max | mg/L | | Monthly | Grab |
| Solids, Total Dissolved | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 70295 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 500 mg/L 30 day avg | mg/L | | Monthly | Grab |
| Oil and Grease, Visual | Sample Measurement | ******* | | | ******* | ******* | ******* | | | | |
| 84066 1 0 0 Effluent Gross Value | Permit Requirement | ******* | 10 inst max | mg/L | ******* | ******* | ******* | | | Montly | Visual/Grab |

No Discharge

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| Carl Pollastro - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
Oil and grease not to exceed 10 mg/L if sheen is observed. Settleable solids shall be measured during storm water discharge and not exceed 0.5 ml/L.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood/Wilberg Mine**

| UT0022896 |
|---|
| Permit Number |

| 11/01/2009 | 11/30/2009 |
|---|---|
| Monitoring Period | |

Minor
F - Final, Combination 001, 003, 004, & 005

| SUM A |
|---|
| Discharge Number |

No Discharge ☐

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Solids, Total Dissolved (001) | Sample Measurement | 235.59 | 235.59 | | ******* | ******* | ******* | | 0 | 1/30 | Grab |
| 70295 1 0 Effluent Gross Value | Permit Requirement | Report 30 day avg | 2000 Daily max | lbs/day | ******* | ******* | ******* | **** | | Monthly | Grab |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |

**No Discharge From 003, 004, & 005**

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| Carl Pollastro - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| **Typed or Printed** | | **Signature of Principal Executive Officer or Authorized Representative** | Area Code | Number |

Comments and explanation of any violations:
Total discharge of TDS from outfalls 001, 003, and 005 shall not exceed 2,000 lbs/day during draw down.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood/Wilberg Mine**

| UT0022896 |
|---|
| Permit Number |

| 11/01/2009 | 11/30/2009 |
|---|---|
| Monitoring Period | |

Minor

SED. POND @ WASTE ROCK AREA

| 005A |
|---|
| Discharge Number |

No Discharge [X]

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | | | | ******* | ******* | ******* | **** | | | |
| 00056 1 0 Effluent Gross Value | Permit Requirement | Report 30 day avg | Report Daily max | mgd | ******* | ******* | ******* | **** | | Monthly | Measured |
| pH | Sample Measurement | ******* | ******* | | | ******* | | | | | |
| 00400 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | 9.0 Inst max | SU | | Monthly | Grab |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | ******* | | | | | | |
| 00530 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | [illegible] 30 day avg | 35 7 day max | mg/L | | Monthly | Grab |
| Settleable Solids | Sample Measurement | ******* | ******* | | [illegible] | ******* | | | | | |
| 00545 O 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 0.5 Daily max | mL/L | | Monthly | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | [illegible] | | ******* | | | | | | |
| 01045 10 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | Report 30 day avg | 1.0 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 03582 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 10 Daily max | mg/L | | See Permit | Grab |
| Solids, total dissolved | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 70295 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | Daily Max | mg/L | | Monthly | Grab |
| Oil and Grease, Visual | Sample Measurement | ******* | | | ******* | ******* | | | | | |
| 84066 O 0 Effluent Gross Value | Permit Requirement | ******* | 0 inst max | yes =1 no=0 | ******* | ******* | Daily Max | | | Monthly | Visual |

No Discharge

| Name/Tital Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| H. Earl Snow - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
If oil and grease sheen is observed, a sample must be taken and this must be less than 10 mg/L.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood/Wilberg Mine**

Minor DISCHR SED POND COTTNWD CREEK

| UT0022896 | 11/01/2009 | 11/30/2009 | 004A | No Discharge |
|---|---|---|---|---|
| Permit Number | Monitoring Period | | Discharge Number | X |

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | | | | ******* | ******* | ******* | | | | |
| 00056 1 0 Effluent Gross Value | Permit Requirement | Report 30 day avg | Report Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measured |
| pH | Sample Measurement | ******* | ******* | | | ******* | | | | | |
| 00400 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | [illegible] | SU | | Monthly | Grab |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | | | | | | | |
| 00530 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 25 30 day avg | [illegible] 7 day max | 70 daily max | mg/L | | Monthly | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | ******* | | ******* | | | | | | |
| 01045 10 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | Report 30 day avg | 1.0 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 035821 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 10 Daily max | mg/L | | See Permit | Grab |
| Oil and Grease, Visual | Sample Measurement | ******* | | | ******* | ******* | ******* | | | | |
| 84066 O 0 Effluent Gross Value | Permit Requirement | ******* | 0 inst max | yes =1 no=0 | ******* | ******* | ******* | | | Monthly | Visual |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |

No Discharge

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| H. Earl Snow - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
If oil and grease sheen is observed, a sample must be taken and this must be less than 10 mg/L.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood/Wilberg Mine**

Minor DISCHRG SED POND GRIMES WASH

| UT0022896 Permit Number | 11/01/2009 – 11/30/2009 Monitoring Period | 003A Discharge Number | No Discharge [X] |
|---|---|---|---|

| Parameter | | Quantity or Loading Average | Quantity or Loading Maximum | Quantity or Loading Units | Quantity or Concentration Minimum | Quantity or Concentration Average | Quantity or Concentration Maximum | Quantity or Concentration Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Flow Rate 00056 1 0 Effluent Gross Value | Sample Measurement | | | | ******* | ******* | ******* | | | | |
| | Permit Requirement | Report 30 day avg | Report Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measured |
| pH 00400 1 0 Effluent Gross Value | Sample Measurement | ******* | ******* | | | ******* | | | | | |
| | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | 9.0 Inst max | SU | | Monthly | Grab |
| Solids, Total Suspended 00530 1 0 Effluent Gross Value | Sample Measurement | ******* | ******* | | | | | | | | |
| | Permit Requirement | ******* | ******* | | 25 30 day avg | 35 [illegible] | [illegible] max | mg/L | | Monthly | Grab |
| Settleable Solids 00545 O 0 Effluent Gross Value | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| | Permit Requirement | ******* | ******* | | ******* | ******* | 0.5 Daily max | mL/L | | Monthly | Grab |
| Iron, Total (as Fe) 01045 10 Effluent Gross Value | Sample Measurement | ******* | ******* | | ******* | | | | | | |
| | Permit Requirement | ******* | ******* | | ******* | Report 30 day avg | 1.0 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease 03582 1 0 Effluent Gross Value | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| | Permit Requirement | ******* | ******* | | ******* | ******* | 10 Daily max | mg/L | | See Permit | Grab |
| Solids, total dissolved 70295 1 0 Effluent Gross Value | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| | Permit Requirement | ******* | ******* | | ******* | ******* | Daily Max | mg/L | | Monthly | Grab |
| Oil and Grease, Visual 84066 1 0 Effluent Gross Value | Sample Measurement | ******* | | | ******* | ******* | ******* | | | | |
| | Sample Measurement | ******* | 0 inst max | yes =1 no=0 | ******* | ******* | ******* | | | Monthly | Visual |

No Discharge

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| H. Earl Snow - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
If oil and grease sheen is observed, a sample must be taken and this must be less than 10 mg/L.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Cottonwood/Wilberg Mine**

Minor

| UT0022896 | 11/01/2009 | 11/30/2009 | 001A | No Discharge |
|---|---|---|---|---|
| Permit Number | Monitoring Period | | Discharge Number | ☐ |

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | 0.038 | 0.038 | | ******* | ******* | ******* | | 0 | 1/30 | Measured |
| 00056 1 0 Effluent Gross Value | Permit Requirement | Report 30 day avg | Report Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measured |
| pH | Sample Measurement | ******* | ******* | | 7.27 | ******* | 7.27 | | 0 | 1/30 | Grab |
| 00400 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 6.5 Daily Min | ******* | 9.0 Daily Max | SU | | Monthly | Grab |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | <5 | <5 | <5 | | 0 | 1/30 | Grab |
| 00530 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 25 30 day avg | 35 7 day Avg | 70 daily max | mg/L | | Monthly | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | ******* | | ******* | ******* | <0.05 | | 0 | 1/30 | Grab |
| 01045 10 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 1.0 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease | Sample Measurement | ******* | ******* | | ******* | ******* | N/A | | 0 | | |
| 03582 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 10 Daily max | mg/L | | See Permit | Grab |
| Solids, total dissolved | Sample Measurement | ******* | ******* | | ******* | ******* | 750 | | 0 | 1/30 | Grab |
| 70295 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | Daily Max | mg/L | | Monthly | Grab |
| Oil and Grease, Visual | Sample Measurement | ******* | 0 | | ******* | ******* | N/A | | 0 | 1/30 | Visual |
| 84066 O 0 Effluent Gross Value | Permit Requirement | ******* | 0 inst max | yes =1 no=0 | ******* | ******* | ******* | | | See Permit | Visual |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| H. Earl Snow - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
If oil and grease sheen is observed, a sample must be taken and this must be less than 10 mg/L.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Deer Creek Mine**

| UT0023604 |
|---|
| Permit Number |

| 11/01/2009 | 11/30/2009 |
|---|---|
| Monitoring Period | |

Deer Creek Mine Discharge

| 002A |
|---|
| Discharge Number |

No Discharge ☐

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | 1.57 | 1.82 | | ******* | ******* | ******* | | 0 | 1/30 | Measured |
| 00056 1 0 Effluent Gross Value | Permit Requirement | Req. Mon. 30 day avg | Req. Mon. Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measured |
| pH | Sample Measurement | ******* | ******* | | 7.26 | ******* | 7.26 | | 0 | 1/30 | Grab |
| 00400 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | 9.0 Inst max | SU | | Monthly | Grab |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | <5 | <5 | <5 | | 0 | 1/30 | Grab |
| 00530 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 25 30 day avg | 35 7 day avg | 70 daily max | mg/L | | Monthly | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | ******* | | ******* | 0.88 | 0.88 | | 0 | 1/30 | Grab |
| 01045 10 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | Req. Mon. 30 day avg | 1.0 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease | Sample Measurement | ******* | ******* | | ******* | ******* | N/A | | 0 | 1/30 | Grab |
| 00556 O 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 10 Daily max | mg/L | | Monthly | Grab |
| Solids, Total Dissolved | Sample Measurement | ******* | ******* | | ******* | ******* | 787 | | 0 | 1/30 | Grab |
| 70295 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | lbs/day | ******* | ******* | 1000 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease, Floating Solids, Foam; Visual | Sample Measurement | ******* | 0 | | ******* | ******* | ******* | | 0 | 1/30 | Visual |
| 84066 1 0 / 45613 1 0 Effluent Gross Value | Permit Requirement | ******* | 0 inst max | yes =1 no=0 | ******* | ******* | ******* | | | Monthly | Visual |
| | Sample Measurement | | | | | | | | | | |
| | Permit Requirement | | | | | | | | | | |

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| H. Earl Snow - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
Sample oil and grease only when a sheen is observed, or there is another reason to believe oil is present. Fill in N/A when a test is not performed.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Deer Creek Mine**

**Amended Report**

| UT0023604 |
|---|
| Permit Number |

| 11/01/2009 | 11/30/2009 |
|---|---|
| Monitoring Period | |

Sediment Pond Outfall

| 001A |
|---|
| Discharge Number |

No Discharge [X]

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | | | | ******* | ******* | ******* | | 0 | 1/30 | Measured |
| 00056 1 0 Effluent Gross Value | Permit Requirement | Req. Mon. 30 day avg | Req. Mon. Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measured |
| pH | Sample Measurement | ******* | ******* | | | ******* | | | 0 | 1/30 | Grab |
| 00400 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | 9.0 Inst max | SU | | Monthly | Grab |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | | | | | 0 | 1/30 | Grab |
| 00530 1 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 25 30 day avg | 35 daily avg | 70 daily max | mg/L | | Monthly | Grab |
| Settleable Solids | Sample Measurement | ******* | ******* | | ******* | ******* | | | 0 | | |
| 00545 R 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 0.5 Daily max | mL/L | | See Permit | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | ******* | | ******* | | | | 0 | 1/30 | Grab |
| 01045 10 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | Req. Mon. 30 day avg | 1.0 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease | Sample Measurement | ******* | ******* | | ******* | ******* | N/A | | *** | | |
| 00556 O 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 10 Daily max | mg/L | | Monthly | Grab |
| Solids, Total Dissolved | Sample Measurement | ******* | | | ******* | ******* | | | 0 | 1/30 | Grab |
| 70295 1 0 Effluent Gross Value | Permit Requirement | ******* | 2000 Daily max | lbs/day | ******* | ******* | Req. Mon. Daily max | mg/L | | Monthly | Grab |
| Oil and Grease, Floating Solids, Foam; Visual | Sample Measurement | ******* | | | ******* | ******* | ******* | | 0 | 1/30 | Visual |
| 84066 1 0 / 45613 1 0 Effluent Gross Value | Permit Requirement | ******* | 0 inst max | yes =1 no=0 | ******* | ******* | ******* | | | Monthly | Visual |

No Discharge

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| H. Earl Snow - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
Sample oil and grease only when a sheen is observed, or there is another reason to believe oil is present. Fill in N/A when a test is not performed.

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Trail Mountain Mine**

Mine Discharge to Cottonwood Creek

| UT0023728 Permit Number | 11/01/2009 – 11/30/2009 Monitoring Period | 002A Discharge Number | No Discharge [X] |
|---|---|---|---|

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | | | | ******* | ******* | ******* | | | | Measrd |
| 00056 1 0 0 Effluent Gross Value | Permit Requirement | Req. Mon. 30 day avg | Req. Mon. Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measrd |
| pH | Sample Measurement | ******* | ******* | | | ******* | | | | | |
| 00400 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | 9.0 Inst max | SU | | Monthly | Grab |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | | | | | | | |
| 00530 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | 25 30 day avg | 35 7 day avg | 70 Daily max | mg/L | | Monthly | Grab |
| Settleable Solids | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 00545 R 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 0.5 Daily max | mL/L | | Monthly | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 01045 10 0 Effluent Gross Value | Permit Requirement | ******* | ******* | | ******* | ******* | 1.3 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease | Sample Measurement | ******* | | | ******* | ******* | | | | | - |
| 00556 O 0 Effluent Gross Value | Permit Requirement | ******* | Req. Mon. Inst max | | ******* | ******* | 10 Daily max | mg/L | | Monthly | Grab |
| Solids, Total Dissolved | Sample Measurement | ******* | ******* | | ******* | ******* | | | | | |
| 70295 1 0 0 Effluent Gross Value | Permit Requirement | ******* | ******* | lbs/day | ******* | ******* | 1136 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease, Floating Solids, Foam; Visual | Sample Measurement | ******* | | | ******* | ******* | ******* | | | | |
| 84066 1 0 / 45613 1 0 Effluent Gross Value | Permit Requirement | ******* | 0 inst max | yes =1 no=0 | ******* | ******* | ******* | | | Monthly | Visual |

No Discharge

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| H. Earl Snow - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
During storm discharge, sample for settleable solids; Sample for oil and grease is only required when sheen is observed

# Discharge Monitoring Report

Name: PacifiCorp, Energy West Mining Company
Address: P.O. Box 310
Huntington, Utah 84528
Facility: **Trail Mountain Mine**

Sediment pond outfall into Cottonwood Ck.

| UT0023728 | 11/01/2009 | 11/30/2009 | 001A | No Discharge |
|---|---|---|---|---|
| Permit Number | Monitoring Period | | Discharge Number | X |

| Parameter | | Quantity or Loading | | | Quantity or Concentration | | | | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average | Maximum | Units | Minimum | Average | Maximum | Units | | | |
| Flow Rate | Sample Measurement | | | | ******* | ******* | ******* | | | | Measrd |
| 00056 1 0 0 | Permit Requirement | Req. Mon. 30 day avg | Req. Mon. Daily max | mgd | ******* | ******* | ******* | | | Monthly | Measrd |
| pH | Sample Measurement | ******* | ******* | | | ******* | | | | | |
| 00400 1 0 0 | Permit Requirement | ******* | ******* | | 6.5 Inst min | ******* | 9.0 Inst max | SU | | Monthly | Grab |
| Solids, Total Suspended | Sample Measurement | ******* | ******* | | | | | | | | |
| 00530 1 0 0 | Permit Requirement | ******* | ******* | | 25 30 day avg | 35 7 day avg | [illegible] max | mg/L | | Monthly | Grab |
| Settleable Solids | Sample Measurement | ******* | ******* | | ******* | [illegible] | | | | | |
| 00545 R 0 0 | Permit Requirement | ******* | ******* | | [illegible] | [illegible] | 0.5 Daily max | mL/L | | Monthly | Grab |
| Iron, Total (as Fe) | Sample Measurement | ******* | ******* | | [illegible] | ******* | | | | | |
| 01045 10 0 | Permit Requirement | ******* | [illegible] | | ******* | ******* | 1.3 Daily max | mg/L | | Monthly | Grab |
| Oil and Grease | Sample Measurement | ******* | | | ******* | ******* | | | | | - |
| 00556 O 0 | Permit Requirement | ******* | Req. Mon. Inst max | | ******* | ******* | 10 Daily max | mg/L | | Monthly | Grab |
| Solids, Total Dissolved | Sample Measurement | ******* | | | ******* | ******* | | | | | |
| 70295 Q 0 | Permit Requirement | ******* | 2000 Daily max | lbs/day | ******* | ******* | Req. Mon. Daily max | mg/L | | Monthly | Grab |
| Oil and Grease, Floating Solids, Foam; Visual | Sample Measurement | ******* | | | ******* | ******* | ******* | | | | |
| 84066 1 0 / 45613 1 0 | Permit Requirement | ******* | 0 inst max | yes =1 no=0 | ******* | ******* | ******* | | | Monthly | Visual |

No Discharge

| Name/Title Principal Executive Officer | | Date: 12/10/2009 | Telephone | |
|---|---|---|---|---|
| H. Earl Snow - Vice President InterWest Mining Company | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | H. Earl Snow | 435 | 687-9821 |
| Typed or Printed | | Signature of Principal Executive Officer or Authorized Representative | Area Code | Number |

Comments and explanation of any violations:
During storm discharge, sample for settleable solids; Sample for oil and grease is only required when sheen is observed