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cc: Jim
Joe



JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

State of Utah

Department of
Environmental Quality

Richard W. Sprott
Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

June 13, 2008

Mr. Guy Davis, Environmental Specialist
PacifiCorp-Energy West Mining Company
Trail Mountain Mine Facility
P.O. Box 310
15 North Main Street
Huntington, Utah 84528

Dear Mr. Davis:

Subject: UPDES Permit No. UT0023728 Minor Correction,
PacifiCorp-Energy West Mining-Trail Mountain Mine.

Per our recent discussions, enclosed are revised pages 3 & 4 of UPDES Permit No. UT0023728, as well as revised page 2 of the Statement of Basis, for your facility as referenced above. As you know, this permit was recently renewed effective January 1, 2008 and inadvertently included a typographical change to TDS loading that was not appropriate.

Therefore, please replace the previously sent applicable pages with these corrected pages, which reflect the minor modification as appropriate. This minor change is consistent with your previous permit conditions and reflects the request made by you during our meeting on June 10, 2008. This permit modification is authorized under *Utah Administrative Code R317-8-5.6* and requires neither public notice, nor additional permit fees.

If you have any questions with regards to this matter, please contact me at (801) 538-6779 or via e-mail at jstudenka@utah.gov.

Sincerely,

Jeff Studenka, Environmental Scientist
UPDES IES Section

Enclosures

cc (w/ encl.):

Qian Zhang, P.E., EPA Region VIII
Claron Bjork, SE District Health Department
Dave Ariotti, SE District Engineer
Daron Haddock, Division of Oil Gas & Mines

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DIV. OF OIL, GAS & MINING

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B. Description of Discharge Points.

The authorization to discharge provided under this permit is limited to those outfalls specifically designated below as discharge locations. Discharges at any location not authorized under a UPDES permit is a violation of the *Act* and may be subject to penalties under the *Act*. Knowingly discharging from an unauthorized location or failing to report an unauthorized discharge may be subject to criminal penalties as provided under the *Act*.

<u>Outfall Number</u>	<u>Location of Discharge Points</u>
001	Sedimentation pond for surface water runoff, discharges to Cottonwood Canyon Creek at latitude 39°19'00" and longitude 111°11'20".
002	Mine water discharge to Cottonwood Canyon Creek at latitude 39°19'03" and longitude 111°11'25".

C. Narrative Standard.

It shall be unlawful, and a violation of this permit, for the permittee to discharge or place any waste or other substance in such a way as will be or may become offensive such as unnatural deposits, floating debris, oil, scum or other nuisances such as color, odor or taste, or cause conditions which produce undesirable aquatic life or which produce objectionable tastes in edible aquatic organisms; or result in concentrations or combinations of substances which produce undesirable physiological responses in desirable resident fish, or other desirable aquatic life, or undesirable human health effects, as determined by bioassay or other tests performed in accordance with standard procedures.

D. Specific Limitations and Self-monitoring Requirements.

- Effective immediately and lasting the duration of this permit, the permittee is authorized to discharge from Outfalls 001 and 002. Such discharges shall be limited and monitored by the permittee as specified in the following table:

Effluent Characteristics	Effluent Limitations ^{a/}				Monitoring Requirements	
	30 Day Average	7 Day Average	Daily Minimum	Daily Maximum	Sample Frequency	Sample Type
Flow, ¹ MGD	Report	² NA	NA	Report	Monthly	Measured
TSS, ² mg/L	25	35	NA	70	Monthly	Grab
Total Iron, mg/L	NA	NA	NA	1.3	Monthly	Grab
TDS (001), mg/L ^{b/}	NA	NA	NA	Report	Monthly	Grab
TDS (002), mg/L ^{b/}	NA	NA	NA	1136	Monthly	Grab
TDS (001), tons/day ^{b/}	NA	NA	NA	1.0	Monthly	Grab
pH, standard units	NA	NA	6.5	9.0	Monthly	Grab
Oil & Grease, mg/L ^{c/}	NA	NA	NA	NA/10	NA/Monthly	NA/Grab
Oil & Grease, floating solids, visible foam, ^{c/}	NA	NA	NA	None	Monthly	Visual

¹ MGD: million gallons per day

² NA: not applicable

³ mg/L : milligrams per liter

There shall be no visible sheen or floating solids or visible foam in other than trace amounts.

There shall be no discharge of sanitary wastes.

- a/ See Definitions, *Part I.A* for definition of terms.
- b/ For TDS, the concentration shall be reported for both outfalls and the concentration shall be limited to 1136 mg/L for outfall 002 (mine water discharge). Discharge point outfall 001 shall not exceed 1 ton or 2000 lbs per day for TDS.
- c/ A sample for oil and grease is required when a sheen is observed or there is another reason to believe oil may be present. If a sheen is observed, a sample of that effluent shall be collected immediately thereafter and oil and grease shall not exceed 10 mg/L in concentration, otherwise enter "NA". A visual inspection for oil and grease, floating solids, and visible foam shall be performed at least once per month at all outfalls. There shall be no sheen, floating solids, or visible foam in other than trace amounts.
2. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: at the outfall prior to mixing with any receiving water.
3. Any overflow, increase in volume of a discharge, or discharge from a bypass system caused by precipitation within any 24-hour period less than or equal to the 10-year precipitation event (or snowmelt of equivalent volume) at all surface runoff pond (outfalls) may comply with the following limitation instead of the total suspended solids limitations contained in Part I.D.1:

Effluent Characteristics

Daily Maximum

Settleable Solids

0.5 mL/L

In addition to the monitoring requirements specified under Part I.D.1, all effluent samples collected during storm water discharge events shall also be analyzed for settleable solids. Such analyses shall be conducted on either grab or composite samples.

4. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation within any 24-hour period greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) at all surface runoff pond outfalls may comply with the following limitations instead of the otherwise applicable limitations:

The pH shall not be less than 6.5 standard units nor greater than 9.0 standard units. However, as stated under Part I.D.3, all effluent samples collected at all surface runoff pond outfalls during storm water discharge events shall be analyzed for settleable solids and the parameters identified under Part I.D.1.

BASIS FOR EFFLUENT LIMITATIONS

Applicable technology based standards for Coal Mining-Alkaline Mine Drainage are found in 40 CFR 434.40 and will be used because the mine drainage has a pH equal to or greater than 6.0 and total iron concentration of less than 10 mg/L. These regulations specify a 1 day maximum total suspended solids (TSS) of 70 mg/L. TSS monthly average of 25 mg/L and weekly average of 35 mg/L limits are based on current Utah Secondary Treatment Standards, UAC R317-1-3.2. The pH is required by the State regulations to be maintained between 6.5 and 9.0 S.U.

Also according to 40 CFR 434.4,0 discharging events caused by surface runoff from storm events less than or equal to the 10-year, 24-hour precipitation event shall be limited to settleable solids concentrations of 0.5 ml/L, as described in the permit.

The total iron limitation of 1.3 mg/L is based on the Total Maximum Daily Load (TMDL) Waste Load Analysis, which is attached as ADDENDUM to this Fact Sheet/Statement of Basis.

Total dissolved solids (TDS) mass loading is limited according to policies established by the Colorado River Basin Salinity Control Forum (CRBSCF), as authorized in UAC R317-2-4. Based on the CRBSCF policies, the TDS mass loading shall continue to be limited to one-ton (2000 lbs.) per day for discharge point outfall 001. TDS concentrations are limited by Water Quality Standards in UAC R317-2-14. Although the State Water Quality Standard for TDS is 1200 mg/L, the TDS concentration limit in the permit of 1136 mg/L at outfall 002 is based upon the established TMDL for upstream discharges into Cottonwood Creek, as indicated in the attached Waste Load Analysis. Therefore to be protective of downstream uses, the more stringent of the limitations apply.

The oil and grease limitations of 10 mg/L and no visible sheen are based on the Best Professional Judgment (BPJ). This limit has been included in previous discharge permits for this and other coal mining facilities. A minimum monthly visual observation of any discharge is required and a sample shall be immediately collected if an oil or grease sheen is observed or there is another reason to believe oil or grease may be present in the discharge.

Based on the fact that no discharges have occurred since 2001 and no discharges are expected in the foreseeable future, Trail Mountain Mine should be able to continue complying with the following effluent limitations:

Effluent Limitations in mg/L

<u>Parameter</u>	<u>30-Day Avg.</u>	<u>7-Day Avg.</u>	<u>Daily Min.</u>	<u>Daily Max.</u>
TSS, mg/L	25	35	N.A.	70
Total Iron, mg/L	N.A.	N.A.	N.A.	1.3
Oil & Grease, mg/L	N.A.	N.A.	N.A.	10
pH, S.U.	N.A.	N.A.	6.5	9.0
TDS, (001) lbs/day	N.A.	N.A.	N.A.	2000
TDS, (002) mg/L	N.A.	N.A.	N.A.	1136