

**Wyoming Department of Environmental Quality
Water Quality Division
WYPDES (Wyoming Pollutant Discharge Elimination System) Program**

STATEMENT OF BASIS

MODIFICATION

APPLICANT NAME: PacifiCorp

MAILING ADDRESS: 1591 Tank Farm Road Coal Co. Route
Glenrock, WY 82637-

FACILITY LOCATION: Dave Johnston Power Plant, which is located in T34N R77W, Converse County. The wastewater will be discharged to North Platte River (Class 2AB).

PERMIT NUMBER: WY0003115

Modification: The permittee requests removal of outfall 020 from the WYPDES permit. Outfall 020 discharges onsite domestic sewage treated by a small package plant. The discharge volume is negligible compared to the total volume of wastewater discharged to the ash ponds and eventually through outfall 007 or 008. Because of the extremely high dilution factor of the sanitary waste to other waste streams (approximately 400:1), no sanitary waste-related parameters such as biochemical-oxygen-demand are considered necessary for this permit. Because of this, DEQ grants the permittee's request for removal of outfall 020. The only condition of this permit eligible for public comment is removal of outfall 020. All other permit conditions remain in full force and effect.

Self monitoring of effluent quality and quantity is required on a regular basis with reporting of results monthly. The permit is scheduled to expire on January 31, 2010.

Roland Peterson
Water Quality Division
Department of Environmental Quality
Modified August 11, 2008

AUTHORIZATION TO DISCHARGE UNDER THE
WYOMING POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, (hereinafter referred to as "the Act"), and the Wyoming Environmental Quality Act,

Pacificorp

is authorized to discharge from the wastewater treatment facilities serving the

Dave Johnston Power Plant

located in

T34N R77W, Converse County

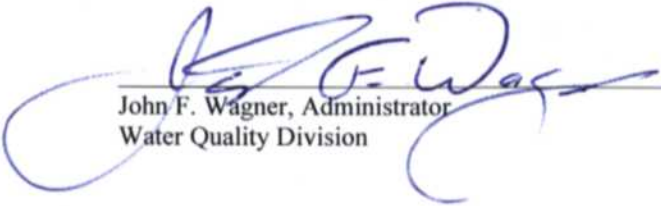
to receiving waters named

North Platte River (Class 2AB)

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II and III hereof.

This permit shall become effective on the date of signature by the Director of the Department of Environmental Quality.


This permit and the authorization to discharge shall expire January 31, 2010 at midnight.



John F. Wagner, Administrator
Water Quality Division

1/26/09

Date



John V. Corra
Director - Department of Environmental Quality

1/26/09

Date

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning immediately and lasting through January 31, 2010, the permittee is authorized to discharge from outfall serial number(s) **022**.

Such discharges shall be limited and monitored by the permittee as specified below:

FLOW

- a. There shall be no limitations on the quantity of water which may be discharged through Outfalls 001 through 006 and 021, except as provided for in Part I.B.1 of this permit.
- b. The combined flow of discharges 001 through 006 and 021 (summarized into one outfall, outfall 022) shall be monitored continuously and the daily maximum and monthly average values tabulated for each month shall be reported in accordance with Part I.C.2 of this permit. Flow volume shall be reported in millions of gallons per day (MGD).

TEMPERATURE

- a. There shall be no limitation on the temperature of water which may be discharged through outfall 022 (Formerly outfalls 001 through 006 and 021), except as provided for in Part I.B.1 of this permit.

TOTAL RESIDUAL OXIDANT

- a. The quantity of total residual bromine and chlorine (measured as total residual oxidant) discharged from the combination of outfall 022 shall not exceed 1.84 kilograms in any day nor shall the flow weighted concentration of the combination of Outfalls 001 through 006 and 021 exceed 0.05 mg/l of total residual oxidant at any time. The method of analysis shall be the amperometric titration described in Standard Methods for the Examination of Water and Wastewater.
- b. Total residual chlorine and/or bromine may not be discharge from any single generating unit for more than two hours per day.
- c. The waters making up outfall 022 shall be monitored for the flow weighted total residual bromine and chlorine concentration (measured as total residual oxidant in mg/l) and the flow weighted total residual bromine and chlorine quantity (measured as total residual oxidant in kg/day). Each day that bromine and/or chlorine is applied, calculations shall be made from recordings of the following:
 - (1) The flow volumes through the generating units and the cooling tower.
 - (2) The total residual oxidant concentration of the water from the treated units. Monitoring must begin no later than four minutes after treatment of the units begins and must be repeated at four minute intervals until the oxidant residual reaches zero. The highest total residual oxidant concentration measured shall be the value used to calculate the quantity of total residual oxidant discharged.
 - (3) Length of time a total residual oxidant concentration greater than zero was measured during each treatment cycle.

- d. The maximum, average and minimum flow weighted quantities and concentrations recorded during the month shall be reported in accordance with Part I.C.2 of this permit.
- e. The permittee shall maintain written records of the values described in item a through d above and shall provide such records to the permit issuing agency upon request.
- f. Discharge during bromine and/or chlorine application until the oxidant residual reaches zero must be to outfalls 003 and/or 006, the side channel, in the event of an upset.

There shall be no discharge of floating solids or foam in other than trace amounts. Nor shall the discharge have a visible sheen or cause formation of a visible sheen or visible deposits on the bottom or shoreline of the receiving water.

All waters shall be discharged in a manner to prevent erosion, scouring or damage to stream banks, stream beds, ditches or other waters of the state at the point of discharge. Discharges shall not occur in such a manner that will result in violations of Water Quality Rules and Regulations, Chapter 1, Section 15.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the outfall from the final treatment unit and prior to admixture with diluent water or the receiving stream.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. **INTERIM EFFLUENT LIMITS:** During the period beginning immediately and lasting through January 31, 2009, the permittee is authorized to discharge from outfall(s) serial number(s) **007 and 008**.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		
	mg/l <u>Monthly</u> <u>Average</u>	mg/l <u>Weekly</u> <u>Average</u>	mg/l <u>Daily</u> <u>Maximum</u>
Total Suspended Solids, mg/l	30	N/A	100
Oil and Grease, mg/l	N/A	N/A	10
Total Copper, mg/l	N/A	N/A	1.0
Total Iron, mg/l	N/A	N/A	1.0
Fecal Coliform, #/100 ml	1,000	2,000	4,000

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units in any single grab sample.

There shall be no discharge of floating solids or foam in other than trace amounts. Nor shall the discharge have a visible sheen or cause formation of a visible sheen or visible deposits on the bottom or shoreline of the receiving water.

All waters shall be discharged in a manner to prevent erosion, scouring or damage to stream banks, stream beds, ditches or other waters of the state at the point of discharge. Discharges shall not occur in such a manner that will result in violations of Water Quality Rules and Regulations, Chapter 1, Section 15.

- 3 **FINAL EFFLUENT LIMITS:** During the period beginning February 1, 2009 and lasting through January 31, 2010, the permittee is authorized to discharge from outfall(s) serial number(s) **007 and 008**.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		
	mg/l <u>Monthly</u> <u>Average</u>	mg/l <u>Weekly</u> <u>Average</u>	mg/l <u>Daily</u> <u>Maximum</u>
Total Suspended Solids, mg/l	30	N/A	100
Oil and Grease, mg/l	N/A	N/A	10
Total Copper, mg/l	N/A	N/A	1.0

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		
	mg/l <u>Monthly Average</u>	mg/l <u>Weekly Average</u>	mg/l <u>Daily Maximum</u>
Total Iron, mg/l	N/A	N/A	1.0
Fecal Coliform, #/100 ml	1,000	2,000	4,000
Total Recoverable Selenium, ug/l	NA	NA	5*

*This value is expressed in terms of total recoverable metal in the water column.
The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units in any single grab sample.

There shall be no discharge of floating solids or foam in other than trace amounts. Nor shall the discharge have a visible sheen or cause formation of a visible sheen or visible deposits on the bottom or shoreline of the receiving water.

All waters shall be discharged in a manner to prevent erosion, scouring or damage to stream banks, stream beds, ditches or other waters of the state at the point of discharge. Discharges shall not occur in such a manner that will result in violations of Water Quality Rules and Regulations, Chapter 1, Section 15.

Monitoring Requirements

<u>Effluent Characteristic</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow - MGD	Weekly	Instantaneous
Oil and Grease	Continuous	Visible sheen
Total Suspended Solids	Weekly	Grab
pH	Weekly	Grab
Total Copper	Monthly	Grab
Total Iron	Monthly	Grab
Fecal Coliform	Monthly	Grab
Selenium*, ug/l (influent)	Monthly	Grab
Selenium*, ug/l (at outfall)	Monthly	Grab
Selenium*, ug/l (in the North Platte River, upstream of outfall)	Monthly	Grab
Dissolved Cadmium**, ug/l	Quarterly	Grab
Dissolved Chromium**, ug/l	Quarterly	Grab
Dissolved Lead**, ug/l	Quarterly	Grab
Dissolved Mercury**, ug/l	Quarterly	Grab
Dissolved Zinc**, ug/l	Quarterly	Grab

*This value is expressed in terms of total recoverable metal in the water column. Detection limit for total recoverable selenium must be 2 ug/l or less.

**Monitoring is required for the acid soluble portion which is derived as the portion that will pass through a 0.45 µm membrane filter following acidification of the sample to pH of 1.5 - 2.0 with nitric acid.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the outfall from the final treatment unit prior to admixture with diluent water or the receiving stream.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

4. During the period beginning immediately and lasting through January 31, 2010, the permittee is authorized to discharge from outfall(s) serial number(s) 011, only during emergency breakdown* of the plant's wastewater system sump pumps.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Monitoring Requirements</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow - MGD		Daily when discharging	Instantaneous
Oil and Grease		Daily when discharging	Grab
Total Suspended Solids		Daily when discharging	Grab
pH		Daily when discharging	Grab

The permittee shall maintain stand-by pumping capacity and power at this location.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: Prior to admixture with the North Platte River or other diluent water.

* Whenever discharge from point 011 occurs, the permittee shall immediately inform this department of the discharge. The permittee shall submit to this department a written description of the reasons for the discharge and actions taken to minimize the possibility of future discharges, and include such description with the discharge monitoring report for the corresponding month.

B. SPECIAL CONDITIONS

1. Operation of Cooling Tower Serving Generating Units 1, 2, and 3.
 - a. The operational steps described below shall be used after the daily maximum water temperature at Hildebrand rises to 64° F or higher for three consecutive days and shall continue until the daily maximum water temperature at Hildebrand drops below 64° F for three consecutive days.
 - b. When the temperature of the North Platte River at Hildebrand is less than 64° F, the cooling tower is not required to be in operation.

- c. When the temperature of the North Platte River at Hildebrand is in the range of 64° F to 77° F, at least one cooling tower pump must be operating. The total number of pumps operating will be based on actual cooling tower efficiency.
- f. When the temperature of the North Platte River at Hildebrand is greater than 78° F, there may be no discharge of cooling water to the river.

2. Operation of the Dam

- a. The dam across the North Platte River shall be operated so as to insure that the turbidity in the river below the dam is not more than 15 nephelometric turbidity units (NTUs) higher than the turbidity in the river above the dam.
- b. The permittee shall monitor the turbidity in the North Platte River at the Western most point on the inlet structure (above the dam) and off the outfall structure for the point 021 discharge (downstream of the dam). At a minimum, samples shall be taken at these locations on Monday, Wednesday, and Friday of each week. The readings shall be tabulated and submitted to the permit issuing authority in accordance with the schedule provided in Part I.C.2 of this permit.

3. Exemption from Temperature Limitations

- a. Based upon analysis of a biological study prepared by the permittee under authority granted by Section 316(a) of the Clean Water Act, the Wyoming Department of Environmental Quality, Water Quality Division and the U.S. Environmental Protection Agency hereby grant the permittee an exemption from the "temperature" section of Wyoming Water Quality Rules and Regulations, Chapter One.
- b. The above exemption may be withdrawn or modified shall the permittee make changes in operation which would tend to increase the volume or temperature of the discharge above the levels presented in the permittee's 316(a) study for this facility, which was dated June 1976. However, it is recognized that the duration and timing of the condition presented in the 316(a) study will change from year to year, depending on the electric power demand and unit outages.

4. Operation of the In-stream Temperature Recorder

Effective immediately, the permittee shall monitor the temperature of the North Platte River at Hildebrand, Wyoming, on a continuous basis. The permittee shall operate and maintain telemetry or other equipment necessary to ensure that river temperature at Hildebrand can be read instantaneously and recorded at the Dave Johnston Plant. The records resulting from this monitoring shall be maintained in accordance with Part I.C.7 of this permit and, upon request, shall be submitted to the this department and the U.S. Environmental Protection Agency and shall be submitted to the Wyoming Game and Fish Department on a monthly basis.

5. Notification of High Temperature

Whenever water temperature in the North Platte River at Hildebrand reached 78° F, the permittee shall immediately contact this department and the Wyoming Game and Fish Department and shall confirm that no once through cooling water is being discharged.

6. Polychlorinated Biphenyl (PCB) Compounds

There shall be no discharge or release of polychlorinated biphenyl (PCB) compounds, such as those commonly used for transformer fluid, to surface water of the State of Wyoming.

7. Description of Outfalls

001 through 006 and 021 (summarized as single outfall # 022) - These outfalls consist of condenser cooling water for generating units 1, 2, and 3.

007 and 008 - These outfalls are from the two bottom ash settling ponds.

011 - This outfall is an emergency overflow to the North Platte River from the sump which collects water from floor and surface drains located inside and outside of the plant.

8. Priority Pollutants

a. With the exception of total chromium and total zinc, the main cooling tower blowdown and the service water cooling tower blowdown shall contain no detectable amounts of the 126 priority pollutants (40 CFR Part 423, Appendix A) due to chemicals added for cooling tower maintenance.

b. Upon request of the permit issuing agency, the permittee shall provide evidence of compliance with item a above using either of the following methods;

(1) By engineering calculations which demonstrate that the regulated pollutants are not detectable in the cooling tower blowdown by the analytical methods in 40 CFR Part 136. These calculations must be based on the cooling tower blowdown only and shall not include dilution by any other effluent streams. A list of the certified analytical contents of all biofouling and maintenance formulation (manufacturer's certifications to contents and priority pollutant status) shall be submitted along with the engineering calculations.

(2) By monitoring the cooling tower blowdown for the 126 priority pollutants.

9. Effluent Limitations (Toxic Pollutants)

Effective the first quarter of calendar year 2005, there shall be no acute toxicity in the discharge from outfall numbers 007, 008, and 022.

10. Whole Effluent Testing

Starting in the first quarter of calendar year 2005, the permittee shall, at least once each calendar quarter, conduct acute static replacement toxicity tests on a composite sample of the discharges. Quarterly samples shall be collected on a two (2) day progression; i.e., if the first quarterly sample is on a Monday, during the next quarter, sampling shall begin on a Wednesday, etc.

The replacement static toxicity tests shall be conducted in accordance with the procedures set out in the latest revision of "Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms", EPA/600/4-90/027F (Rev. August 1993) and the "Region VIII EPA WYPDES Acute Test Conditions - Static Renewal Whole Effluent Toxicity Tests". In the case of conflicts, the Region VIII Document will prevail. The permittee shall conduct an acute 48-hour static toxicity test using *Ceriodaphnia dubia* and an acute 96-hour static toxicity test using *Pimephales promelas*.

Acute toxicity occurs when 50 percent or more mortality is observed for either species at any effluent concentration. If more than 10 percent control mortality occurs, the test is not valid. The test shall be repeated until satisfactory control survival is achieved.

If acute toxicity occurs, an additional test shall be conducted within two (2) weeks of the date of when the permittee learned of the test failure. If only one species fails, retesting may be limited to

this species. Should acute toxicity occur in the second test, testing shall occur once a month until further notified by the permit issuing authority.

Quarterly test results shall be reported along with the Discharge Monitoring Report (DMR) submitted for the end of the reporting calendar quarter (e.g., whole effluent results for the calendar quarter ending March 31, shall be reported with the DMR due April 28, with the remaining reports submitted with DMRs due each July 28, October 28 and January 28). Monthly test results shall be reported along with the DMR submitted for that month. The format for the report shall be consistent with the latest revision of the "Region VIII Guidance for Acute Whole Effluent Reporting", and shall include all chemical and physical data as specified.

If the results for four consecutive quarters of testing indicate no acute toxicity, the permittee may request the permit issuing authority to allow a reduction to quarterly acute toxicity testing on only one species on an alternating basis. The permit issuing authority may approve or deny the request based on the results and other available information without an additional public notice. If the request is approved, the test procedures are to be the same as specified above for the test species.

11. Toxicity Reduction Evaluation (TRE)
Toxicity Identification Evaluation (TIE)

Should acute toxicity and/or chronic toxicity be detected in the permittee's discharge, a TIE-TRE shall be undertaken by the permittee to establish the cause of the toxicity, locate the source(s) of the toxicity, and develop control of, or treatment for the toxicity. Failure to initiate, or conduct an adequate TIE-TRE, or delays in the conduct of such tests, shall not be considered a justification for noncompliance with the whole effluent toxicity limits contained in Part I.B.9. of this permit. A TRE plan needs to be submitted to the permitting authority within 45 days after confirmation of the continuance of effluent toxicity.

12. Chronic Toxicity Limitation-Reopener Provision

This permit may be reopened and modified (following proper administrative procedures) to include chronic whole effluent toxicity limitations if any other information or data are developed indicating that chronic whole effluent toxicity limits are needed as required under 40 CFR 122.44 (d). Also see Part IV.P. of this permit for additional whole effluent toxicity reopener provisions.

If acceptable to the permit issuing authority, and if in conformance with current regulations, this permit may be reopened and modified to incorporate TRE conclusions relating to additional numerical limitations, a modified compliance schedule, and or modified whole effluent protocol.

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C. COMPLIANCE SCHEDULE, Selenium Standards.

By February 1, 2009, this facility must meet the selenium effluent limit of 5 ug/l at outfalls 007 and 008. However, based on the results of the monitoring data, this permit may be modified to include a wasteload allocation based effluent limit on selenium. The wasteload allocation, with the mass balance approach, utilizes the instream standard concentration, the upstream flow of the receiving stream, the maximum discharge volume, and the upstream concentration of the constituent to calculate the maximum allowable concentration of the constituent in the effluent.

D. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in

this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water, or substance. Monitoring points shall not be changed without notification to and approval by, the permit issuing authority.

2. Reporting

Effluent monitoring results obtained during the previous three month(s) shall be summarized and reported on a Discharge Monitoring Report Form. If the permit requires whole effluent toxicity (WET) (biomonitoring) testing, WET test results must be reported on the most recent version of EPA Region VIII's Guidance for Whole Effluent Reporting. Legible copies of these, and all other reports required herein, shall be signed and certified in accordance with the Signatory Requirements (see Part II.A.11.), and submitted to the state water pollution control agency at the following addresses postmarked no later than the 28th day of the month following the completed reporting period. The first report is due April 28, 2009.

Wyoming Department of Environmental Quality
Water Quality Division
Herschler Building, 4 West
122 West 25th Street
Cheyenne, WY 82002
Telephone: (307) 777-7781

If no discharge occurs during the reporting period, "no discharge" shall be reported. If discharge is intermittent during the reporting period, sampling shall be done while the facility is discharging.

3. Definitions

Concentration Values

- a. Daily Maximum (mg/l) - The highest single reading from any grab or composite sample collected during the reporting period.
- b. Monthly Average (mg/l) - The arithmetic mean (geometric mean in the case of fecal coliform) of all composite and/or grab samples collected during a calendar month.
- c. Weekly Average (mg/l) - The arithmetic mean (geometric mean in the case of fecal coliform) of all composite and/or grab samples collected during any week. A week begins at 12:01 a.m. Sunday morning and ends at 12:00 midnight Saturday evening.

Quantity Values

- d. Daily Maximum - The highest single daily quantity reading (see Calculations below) recorded during the reporting period.
- e. Monthly Average - The arithmetic mean (geometric mean in the case of fecal coliform bacteria) of all the daily quantity readings (see Calculations below) recorded during a calendar month.
- f. Weekly Average - The arithmetic mean (geometric mean in the case of fecal coliform bacteria) of all the daily quantity readings (see Calculations below) recorded during a week. A week begins at 12:01 a.m. Sunday morning and ends at 12:00 midnight Saturday evening.

Flow Values

- g. Daily Flow - The flow volume recorded on any single day. The daily flow volume may be determined by using an instantaneous reading (if authorized by this permit) or a continuous recorder.
- h. Daily Maximum Flow - The highest single daily flow reading recorded during a reporting period.
- i. Monthly Average Flow - The arithmetic mean of all daily flow values recorded during a calendar month.
- j. Weekly Average Flow - The arithmetic mean of all daily flow values recorded during a week. A week begins at 12:01 am on Sunday morning and ends at 12:00 midnight Saturday evening.

Calculations

- k. Daily Quantity (kg/day) - The quantity, in kilograms per day, of pollutant discharged on a single day. The Daily quantity shall be calculated by multiplying the composite or grab sample concentration value for that day in milligrams/liter (mg/l) times the flow volume (in millions of gallons per day - MGD) for that day times 3.78. If a flow volume reading for the day the sample is collected is not available, the average flow volume reading for the entire reporting period shall be used.
- l. Daily Quantity (#/day) - The quantity, in number per day, of bacteria or other pollutants discharged on a single day. The number per day shall be calculated by multiplying the composite or grab sample result for that day, in number per 100 milliliters (#/100 ml), times the flow volume (in millions of gallons per day - MGD) times 3.78×10^7 . If a flow volume reading for the day the sample is collected is not available, the average flow volume reading for the entire reporting period shall be used.
- m. Geometric Mean - Calculated in accordance with the procedure described in the most recent edition of "Standard Methods for the Examination of Water and Wastewater".

Miscellaneous

- n. A "composite" sample, for monitoring requirements, is defined as a minimum of four (4) grab samples collected at equally spaced two (2) hour intervals and proportioned according to flow.
- o. An "instantaneous" measurement for monitoring requirements is defined as a single reading, measurement, or observation.
- p. "MGD", for monitoring requirements, is defined as million gallons per day.
- q. "Net" value, if noted under Effluent Characteristics, is calculated on the basis of the net increase of the individual parameter over the quantity of that same parameter present in the intake water measured prior to any contamination or use in the process of this facility. Any contaminants contained in any intake water obtained from underground wells shall not be adjusted for as described above and, therefore, shall be considered as process input to the final effluent. Limitations in which "net" is not noted are calculated on the basis of gross measurements of each parameter in the discharge, irrespective of the quantity of those parameters in the intake waters.
- r. A "pollutant" is any substance or substances which, if allowed to enter surface waters of the state, causes or threatens to cause pollution as defined in the Wyoming Environmental Quality Act, Section 35-11-103.

4. Test Procedures

Test procedures for the analysis of pollutants, collection of samples, sample containers, sample preservation, and holding times, shall conform to regulations published pursuant to 40 CFR, Part 136, unless other test procedures have been specified in this permit.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date and time of sampling;
- b. The dates and times the analyses were performed;
- c. The person(s) who performed the analyses and collected the samples;
- d. The analytical techniques or methods used; and
- e. The results of all required analyses including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine the results.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form. Such increased frequency shall also be indicated.

7. Records Retention

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the administrator at any time. Data collected on site, copies of Discharge Monitoring Reports and a copy of this WYPDES permit must be maintained on site during the duration of activity at the permitted location.

8. Penalties for Tampering

The Act provides that any person who falsifies, tampers with or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two (2) years per violation, or both.

9. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on interim and final requirements contained in any Compliance Schedule of this permit shall be submitted no later than 14 days following each schedule date.

10. Location of Discharge Points

- Outfall 001 **(Inactive)** NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 002, **(Inactive)** NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 003, **(Inactive)** NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 004, **(Inactive)** NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 005, **(Inactive)** NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 006, **(Inactive)** NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 007, SW, Section 7, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 008, NW, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 011, NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 021, **(Inactive)** NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB).
- Outfall 022 NE, Section 18, Township 33 North, Range 74 West, Converse County. Receiving Waters: North Platte River (2AB). Consists of water commingled from outfalls 001 through 006, and 021, now inactivated.

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PART II

A. MANAGEMENT REQUIREMENTS

1. Changes

The permittee shall give notice to the administrator of the Water Quality Division as soon as possible of any physical alterations or additions to the permitted facility. Notice is required when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as determined in 40 CFR 122.29 (b); or
- b. The alteration or addition could change the nature or increase the quantity of pollutants discharged.

2. Noncompliance Notification

- a. The permittee shall give advance notice of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- b. The permittee shall report any noncompliance which may endanger health or the environment as soon as possible, but no later than 24 hours from the time the permittee first became aware of the circumstances. The report shall be made to the Water Quality Division, Wyoming Department of Environmental Quality at (307) 777-7781.
- c. A written submission shall be provided within five (5) days of the time that the permittee becomes aware of a noncompliance circumstance as described in paragraph b. above.

The written submission shall contain:

- (1) A description of the noncompliance and its cause;
 - (2) The period of noncompliance, including exact dates and times;
 - (3) The estimated time noncompliance is expected to continue if it has not been corrected; and
 - (4) Steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance.
- d. The following occurrences of unanticipated noncompliance shall be reported by telephone to the Water Quality Division, Watershed Management Section, WYPDES Program (307) 777-7781 by the first workday following the day the permittee became aware of the circumstances.
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
 - (2) Any upset which exceeds any effluent limitation in the permit; or
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed in the permit.
 - e. The administrator of the Water Quality Division may waive the written report on a case-by-case basis if the oral report has been received within 24 hours by the Water Quality Division, Watershed Management Section, WYPDES Program (307) 777-7781.

- f. The permittee shall report all instances of noncompliance that have not been specifically addressed in any part of this permit at the time the monitoring reports are due.

3. Facilities Operation

The permittee shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of the permit. However, the permittee shall operate, as a minimum, one complete set of each main line unit treatment process whether or not this process is needed to achieve permit effluent compliance.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to waters of the state resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. Bypass of Treatment Facilities

- a. Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
- b. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs c. and d. of this section. Return of removed substances to the discharge stream shall not be considered a bypass under the provisions of this paragraph.
- c. Notice:
 - (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice at least 60 days before the date of the bypass.
 - (2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required under Part II.A.2.
- d. Prohibition of bypass.
 - (1) Bypass is prohibited and the administrator of the Water Quality Division may take enforcement action against a permittee for a bypass, unless:
 - (a) The bypass was unavoidable to prevent loss of life, personal injury or severe property damage;
 - (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

- (c) The permittee submitted notices as required under paragraph c. of this section.
 - e. The administrator of the Water Quality Division may approve an anticipated bypass, after considering its adverse effects, if the administrator determines that it will meet the three conditions listed above in paragraph d. (1) of this section.
- 6. Upset Conditions
 - a. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improper designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
 - b. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of paragraph c. of this section are met.
 - c. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required under Part II.A.2; and
 - (4) The permittee complied with any remedial measures required under Part II.A.4.
 - d. Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
- 7. Removed Substances

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters or intake waters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering waters of the state.
- 8. Power Failures

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

 - a. In accordance with a schedule of compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities; or
 - b. If such alternative power source as described in paragraph a. above is not in existence and no date for its implementation appears in Part I, take such precautions as are necessary to maintain and operate the facility under its control in a manner that will minimize upsets and insure stable operation until power is restored.
- 9. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the federal act and the Wyoming Environmental Quality Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. The permittee shall give the administrator of the Water Quality Division advance notice of any planned changes at the permitted facility or of any activity which may result in permit noncompliance.

10. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

11. Signatory Requirements

All applications, reports or information submitted to the administrator of the Water Quality Division shall be signed and certified.

- a. All permit applications shall be signed as follows:
 - (1) For a corporation: by a responsible corporate officer;
 - (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively;
 - (3) For a municipality, state, federal or other public agency: by either a principal executive officer or ranking elected official.
- b. All reports required by the permit and other information requested by the administrator of the Water Quality Division shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - (1) The authorization is made in writing by a person described above and submitted to the administrator of the Water Quality Division; and
 - (2) The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position.
- c. If an authorization under paragraph II.A.11.b. is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph II.A.11.b must be submitted to the administrator of the Water Quality Division prior to or together with any reports, information or applications to be signed by an authorized representative.

- d. Any person signing a document under this section shall make the following certification:

"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."

B. RESPONSIBILITIES

1. Inspection and Entry

If requested, the permittee shall provide written certification from the surface landowner(s), if different than the permittee, that the administrator or the administrator's authorized agent has access to all physical locations associated with this permit including well heads, discharge points, reservoirs, monitoring locations, and any waters of the state.

The permittee shall allow the administrator of the Water Quality Division or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and
- d. Sample or monitor, at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the federal act, any substances or parameters at any location.

2. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the regional administrator of the Environmental Protection Agency and the administrator of the Water Quality Division. The administrator of the Water Quality Division shall then provide written notification to the new owner or controller of the date in which they assume legal responsibility of the permit. The permit may be modified or revoked and reissued to change the name of the permittee and incorporate such other requirements as described in the federal act.

3. Availability of Reports

Except for data determined to be confidential under Section 308 of the federal act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Wyoming Department of Environmental Quality and the regional administrator of the Environmental Protection Agency. As required by the federal act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the federal act.

4. Toxic Pollutants

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the federal act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Changes in Discharge of Toxic Substances

Notification shall be provided to the administrator of the Water Quality Division as soon as the permittee knows of, or has reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) One hundred micrograms per liter (100 µg/l);
 - (2) Two hundred micrograms per liter (200 µg/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
 - (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR 122.21 (g) (7); or
 - (4) The level established by the director of the Environmental Protection Agency in accordance with 40 CFR 122.44 (f).
- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) Five hundred micrograms per liter (500 µg/l);
 - (2) One milligram per liter (1 mg/l) for antimony;
 - (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR 122.21 (g) (7); or
 - (4) The level established by the director of the Environmental Protection Agency in accordance with 40 CFR 122.44 (f).

6. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. As long as the conditions related to the provisions of "Bypass of Treatment Facilities" (Part II.A.5), "Upset Conditions" (Part II.A.6), and "Power Failures" (Part II.A.8) are satisfied then they shall not be considered as noncompliance.

7. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

8. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject under Section 311 of the federal act.

9. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state or federal law or regulation. In addition, issuance of this permit does not substitute for any other permits required under the Clean Water Act or any other federal, state, or local law.

10. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights nor any infringement of federal, state or local laws or regulations.

11. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit.

12. Duty to Provide Information

The permittee shall furnish to the administrator of the Water Quality Division, within a reasonable time, any information which the administrator may request to determine whether cause exists for modifying, revoking and reissuing or terminating this permit or to determine compliance with this permit. The permittee shall also furnish to the administrator, upon request, copies of records required by this permit to be kept.

13. Other Information

When the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or any report to the administrator of the Water Quality Division, it shall promptly submit such facts or information.

14. Permit Action

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

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PART III

A. OTHER REQUIREMENTS

1. Flow Measurement

At the request of the administrator of the Water Quality Division, the permittee must be able to show proof of the accuracy of any flow measuring device used in obtaining data submitted in the monitoring report. The flow measuring device must indicate values of within plus or minus ten (10) percent of the actual flow being measured.

2. 208(b) Plans

This permit may be modified, suspended or revoked to comply with the provisions of any 208(b) plan certified by the Governor of the State of Wyoming.

3. Reopener Provision

This permit may be reopened and modified (following proper administrative procedures) to include the appropriate effluent limitations (and compliance schedule, if necessary) or other appropriate requirements if one or more of the following events occurs:

- a. The state water quality standards of the receiving water(s) to which the permittee discharges are modified in such a manner as to require different effluent limits than contained in this permit;
- b. A total maximum daily load (TMDL) and/or watershed management plan is developed and approved by the state and/or the Environmental Protection Agency which specifies a wasteload allocation for incorporation in this permit;
- c. A revision to the current water quality management plan is approved and adopted which calls for different effluent limitations than contained in this permit;
- d. Downstream impairment is observed and the permitted facility is contributing to the impairment;
- e. The limits established by the permit no longer attain and/or maintain applicable water quality standards;
- f. The permit does not control or limit a pollutant that has the potential to cause or contribute to a violation of a state water quality standard.
- g. If new applicable effluent guidelines and/or standards have been promulgated and the standards are more stringent than the effluent limits established by the permit.
- h. In order to protect water quality standards in neighboring states, effluent limits may be incorporated into this permit or existing limits may be modified to ensure that the appropriate criteria, water quality standards and assimilative capacity are attained.

4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;

- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; or
- d. If necessary to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b) (2) (C) and (D), 304 (b) (2) and 307 (a) (2) of the federal act, if the effluent standard or limitation so issued or approved:
 - (1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) Controls any pollutant not limited in the permit.

5. Toxicity Limitation - Reopener Provision

This permit may be reopened and modified (following proper administrative procedures) to include a new compliance date, additional or modified numerical limitations, a new or different compliance schedule, a change in the whole effluent protocol or any other conditions related to the control of toxicants if one or more of the following events occur:

- a. Toxicity was detected late in the life of the permit near or past the deadline for compliance;
- b. The toxicity reduction evaluation (TRE) results indicate that compliance with the toxic limits will require an implementation schedule past the date for compliance and the permit issuing authority agrees with the conclusion;
- c. The TRE results indicate that the toxicant(s) represent pollutant(s) that may be controlled with specific numerical limits and the permit issuing authority agrees that numerical controls are the most appropriate course of action;
- d. Following the implementation of numerical controls on toxicants, the permit issuing authority agrees that a modified whole effluent protocol is necessary to compensate for those toxicants that are controlled numerically;
- e. The TRE reveals other unique conditions or characteristics which, in the opinion of the permit issuing authority, justify the incorporation of unanticipated special conditions in the permit.

6. Severability

The provisions of this permit are severable and if any provision of this permit, or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit, shall not be affected thereby.

7. Penalties for Falsification of Reports

The federal act provides that any person who knowingly makes any false statement, representation or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation or by imprisonment for not more than two years per violation or both.

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