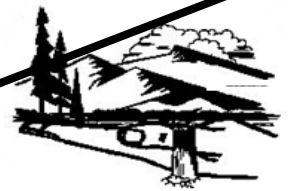




Mark Gordon, Governor

Department of Environmental Quality

*To protect, conserve and enhance the quality of Wyoming's
environment for the benefit of current and future generations.*



Todd Parfitt, Director

Date: May 5, 2020

Mr. James Owen
Director, Environmental Services
PacifiCorp
1407 W North Temple, Ste 210
Salt Lake City, UT 84116

Permit No. **P0025809**

Dear Mr. Owen:

The Division of Air Quality of the Wyoming Department of Environmental Quality has completed final review of PacifiCorp's (CMP000574) application to modify operations at the Jim Bridger Plant (F000645) by establishing monthly-block average pound per hour (lb/hr) NO_x and SO₂ emissions limits for Units 1-4 (EGU001-EGU004) combined and a 12-month rolling total NO_x and SO₂ emission limit of 17,500 tons per year (tpy) for Units 1-4 (EGU001-EGU004) combined. This combined set of lb/hr and tpy limits will be enforced in lieu of installation of selective catalytic reduction technology (SCR) on Units 1-2 (EGU001-EGU002), and will effectively decrease the operating capacity of the plant, thereby reducing its emission of haze-causing pollutants, NO_x and SO₂. The Jim Bridger Plant is located in Section 3, T20N, R16W, approximately four (4) miles north of Point of Rocks, in Sweetwater County, Wyoming.

Following this agency's proposed approval of the request as published July 20, 2019 and in accordance with Chapter 6, Section 2(m) of the Wyoming Air Quality Standards and Regulations, the public was afforded a 30-day period in which to submit comments concerning the proposed modification, and an opportunity for a public hearing. A public hearing was conducted on August 23, 2019, in the Pilot Butte Conference Room of the Rock Springs BLM Field Office, located at 280 Highway 191 North, Rock Springs, in Sweetwater County, Wyoming. Comments received were considered in the final permit. Therefore, on the basis of the information provided to us, approval to modify the Jim Bridger Plant as described in the application is hereby granted pursuant to Chapter 6, Section 2 of the regulations with the following conditions:

1. That authorized representatives of the Division of Air Quality be given permission to enter and inspect any property, premise or place on or at which an air pollution source is located or is being constructed or installed for the purpose of investigating actual or potential sources of air pollution and for determining compliance or non-compliance with any rules, standards, permits or orders.
2. That all substantive commitments and descriptions set forth in the application for this permit, unless superseded by a specific condition of this permit, are incorporated herein by this reference and are enforceable as conditions of this permit.
3. That PacifiCorp shall file a complete application to modify their Operating Permit within twelve (12) months of commencing operation, in accordance with Chapter 6, Section 3(c)(1)(B) of the WAQSR. Where an existing operating permit would prohibit such construction or change in operation, the owner or operator must obtain a permit revision before commencing operation.

- ~~4. That all notifications, reports, and correspondence required by this permit shall be submitted to the Stationary Source Compliance Program Manager. Submissions may be done electronically through <https://airimpact.wyo.gov> to satisfy requirements of this permit.~~
- ~~5. That written notification of the anticipated date of initial startup of the Reasonable Progress Reassessment Project, in accordance with Chapter 6, Section 2(i) of the WAQSR, is required not more than sixty (60) days or less than thirty (30) days prior to such date. Notification of the actual date of startup is required within fifteen (15) days after startup.~~
- ~~6. That the date of commencement of construction of the Reasonable Progress Reassessment Project shall be reported to the Administrator within thirty (30) days of commencement. In accordance with Chapter 6, Section 2(h) of the WAQSR, approval to construct or modify shall become invalid if construction is not commenced within twenty-four (24) months after receipt of such approval or if construction is discontinued for a period of twenty-four (24) months or more. The Administrator may extend the period based on satisfactory justification of the requested extension.~~
7. Units 1-4 shall be limited to the following monthly-block average pound per hour (lb/hr) NO_x and SO₂ emissions limits. Compliance with the limits shall be determined using continuous emissions monitoring systems (CEMS) certified in accordance with 40 CFR part 75. The NO_x and SO₂ limits will be effective on January 1, 2022 and initial compliance shall be determined on February 1, 2022.

Month	NO _x	SO ₂
January	2,050	2,100
February	2,050	2,100
March	2,050	2,100
April	2,050	2,100
May	2,200	2,100
June	2,500	2,100
July	2,500	2,100
August	2,500	2,100
September	2,500	2,100
October	2,300	2,100
November	2,030	2,100
December	2,050	2,100

8. Compliance with the monthly-block average lb/hr NO_x and SO₂ emissions limits set forth in Condition 7 of this permit shall be determined with data from certified CEMS as follows:
- i. Exceedance of the limit shall be defined as follows:
1. Any monthly-block average which exceeds the lb/hr NO_x and SO₂ limits as calculated using the following formula:

$$E_{avg} = E_{U1} + E_{U2} + E_{U3} + E_{U4}$$

Where:

E_{avg} = Monthly-block average emission rate (lb/hr)

E_{U1} = Monthly-block average Unit 1 emission rate (lb/hr)

E_{U2} = Monthly-block average Unit 2 emission rate (lb/hr)

E_{U3} = Monthly-block average Unit 3 emission rate (lb/hr)

E_{U4} = Monthly-block average Unit 4 emission rate (lb/hr)

$$E_{U1} = \frac{\sum_{h=1}^n (C_1)h}{n}$$

$$E_{U2} = \frac{\sum_{h=1}^n (C_2)h}{n}$$

$$E_{U3} = \frac{\sum_{h=1}^n (C_3)h}{n}$$

$$E_{U4} = \frac{\sum_{h=1}^n (C_4)h}{n}$$

$C1$ = Unit 1 1-hour average emission rate (lb/hr) for hour “h” calculated using valid data (output concentration and average hourly volumetric flowrate) from the CEM equipment certified and operated in accordance with Part 75. Valid data shall meet the requirements of WAQSR, Chapter 5, Section 2(j). Valid data shall not include data substituted using the missing data procedure in subpart D of Part 75, nor shall the data have been bias adjusted according to the procedure of Part 75. $C1$ shall be determined for each calendar month used to demonstrate compliance with the emission limits set forth in Condition 7.

$C2$ = Unit 2 1-hour average emission rate (lb/hr) for hour “h” calculated using valid data (output concentration and average hourly volumetric flowrate) from the CEM equipment certified and operated in accordance with Part 75. Valid data shall meet the requirements of WAQSR, Chapter 5, Section 2(j). Valid data shall not include data substituted using the missing data procedure in subpart D of Part 75, nor shall the data have been bias adjusted according to the procedure of Part 75. $C2$ shall be determined for each calendar month used to demonstrate compliance with the emission limits set forth in Condition 7.

C3 = Unit 3 1-hour average emission rate (lb/hr) for hour “h” calculated using valid data (output concentration and average hourly volumetric flowrate) from the CEM equipment certified and operated in accordance with Part 75. Valid data shall meet the requirements of WAQSR, Chapter 5, Section 2(j). Valid data shall not include data substituted using the missing data procedure in subpart D of Part 75, nor shall the data have been bias adjusted according to the procedure of Part 75. C3 shall be determined for each calendar month used to demonstrate compliance with the emission limits set forth in Condition 7.

C4 = Unit 4 1-hour average emission rate (lb/hr) for hour “h” calculated using valid data (output concentration and average hourly volumetric flowrate) from the CEM equipment certified and operated in accordance with Part 75. Valid data shall meet the requirements of WAQSR, Chapter 5, Section 2(j). Valid data shall not include data substituted using the missing data procedure in subpart D of Part 75, nor shall the data have been bias adjusted according to the procedure of Part 75. C4 shall be determined for each calendar month used to demonstrate compliance with the emission limits set forth in Condition 7.

n = The number of unit operating hours monitored during the monthly-block period with valid emissions data meeting the requirements of WAQSR, Chapter 5, Section 2(j).

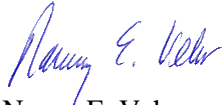
- ~~ii PacifiCorp will comply with all monitoring, recordkeeping, and reporting requirements in Section 8.3.3 of Wyoming’s 309(g) Regional Haze SIP in addition to the reporting and recordkeeping requirements as specified in WAQSR, Chapter 5, Section 2(g).~~
- 9. Units 1-4 shall be limited to a combined limit for NO_x plus SO₂ of 17,500 tons per year based on a 12-month rolling total. Compliance with the limit shall be determined using a CEMS certified in accordance with 40 CFR part 75. Valid data shall not include data substituted using the missing data procedure in subpart D of Part 75, nor shall the data have been bias adjusted according to the procedures of Part 75. The NO_x plus SO₂ limit will be effective on January 1, 2022 and initial compliance shall be determined on January 1, 2023.
- ~~10. PacifiCorp shall retain a copy of all records necessary to determine compliance with the limits established in Conditions 7 and 9 for five (5) years from the date of such record.~~
- ~~11. All conditions from previously issued permits and authorization letters/waivers for the Jim Bridger Plant shall remain in effect unless specifically superseded by a condition of this permit.~~

~~It must be noted that this approval does not relieve you of your obligation to comply with all applicable county, state, and federal standards, regulations or ordinances. Special attention must be given to Chapter 6, Section 2 of the Wyoming Air Quality Standards and Regulations, which details the requirements for compliance with Conditions 3, 5 and 6. Any appeal of this permit as a final action of the Department must be made to the Environmental Quality Council within thirty (30) days of permit issuance per Section 8, Chapter 1, General Rules of Practice and Procedure, Department of Environmental Quality.~~

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If we may be of further assistance to you, please feel free to contact this office

Sincerely,



Nancy E. Vehr
Administrator
Air Quality Division



Todd Parfitt
Director
Dept. of Environmental Quality