



Jackson Municipal Utilities Jackson, Missouri

Engineering Services for
Emissions Compliance Test

Submitted by:
BHM Engineers, Inc.

February 10, 2022



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Mr. Chuck Reed
Jackson Municipal Utilities
420 Florence Street
Jackson, MO 63755

Ref: **NESHAP Stack Testing
Letter of Proposal**

Dear Mr. Reed:

We are pleased to submit our proposal to perform emissions testing on the six electric generating engines located at the Jackson's City Power Plant.

BHMG Proposed Scope of Work:

BHMG will prepare a test protocol to be submitted to the Missouri Department of Natural Resources Air Pollution Control Program (APCP) that will describe the testing procedures. The protocol will detail the procedures to be performed that will meet the testing requirements of the APCP and the United States Environmental Protection Agency (USEPA).

BHMG and its subcontractor, RMC Environmental, will provide the labor, equipment, and technical expertise required to conduct an air emissions test project to determine the destruction efficiency of each of the six engines. The testing will be in accordance with the methods required by the APCP and USEPA to demonstrate compliance with the required 70% reduction in carbon monoxide (CO). The concentrations of CO and oxygen will be measured in the inlet and outlet of the catalytic converters on each of the engines in accordance with USEPA Method 10 per 40 CFR 60 Subpart ZZZZ, "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"

Each engine will be tested while combusting diesel fuel. The City of Jackson will be responsible for running each engine at the City's desired generating rate during the duration of emission tests for each engine. On a schedule that is mutually agreed upon by the City and BHMG, the engines will be tested, two per day on three consecutive days. One will be tested each morning and one each afternoon, unless the City requests that the schedule be modified.

At the conclusion of the testing, BHMG will prepare a draft test report for review by the City. The report will describe the testing procedures, the plant operating conditions during the test and the test results. Upon receipt of the City's comments on the draft report, BHMG will prepare a final report that will be ready for submission to APCP.

The City of Jackson will be responsible for providing electrical service, two 20 amp electrical circuits, near the engines to be tested. The City of Jackson will also be responsible for providing safe personnel and equipment access to the ports upstream and downstream of the catalytic convertors.

Test Report:

BHMG will provide one (1) bound copy and an electronic copy of the final report for your records. BHMG will submit an electronic copy of the report to MDNR-APCP on behalf of Jackson Municipal Utilities if you desire.

Schedule:

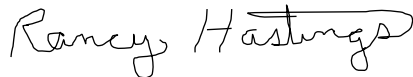
BHMG, upon award of the project will coordinate a test schedule with the City of Jackson. We anticipate arriving at the site during the latter portion of Day 1, at which time the testing trailer will be set up and electrical equipment will be connected to avoid delays on the first testing day. Testing will be performed on each of the following 2-3 days. The test schedule will be dependent upon City of Jackson scheduling production such that the engines will be operated for the required duration of the testing, approximately 3 ½ hours for each test. If the City of Jackson desires, the two engines will be test simultaneously, in which case there will be two days of testing.

BHMG proposes to complete the NESHAP Stack Testing on fixed fee basis at a price of \$21,600.

BHMG appreciates this opportunity to provide this proposal to provide services to the City of Jackson. Should any questions arise, please contact me at your convenience.

Sincerely:

BHMG Engineers, Inc.

A handwritten signature in cursive script that reads "Rancy Hastings".

Rancy Hastings, P.E.
Project Manager

Enclosures: Terms and Conditions, Memorandum of Agreement