

FILE

3



September 3, 2004

Mr. Ray Strom
Public Utilities Commission of Ohio
Power Siting Section
180 East Broad Street
Columbus, OH 43215-3793

Via Fax: 614-752-8352

**LIMA ENERGY COMPANY
CASE NO. 04-1011-EL-BGA
Response to Data Request**

RECEIVED-DOCKETING DIV
2004 SEP -8 PM 4:21
PUCO

Following are our responses to the questions posed in your September 3, 2004 electronic data request, delivered to you via fax as requested. My understanding is that you will docket this response.

Question 1

Planned net plant output (MW) for the facility:

Response

Current planned net output is estimate at 541 MW.

Question 2

An explanation of any differences between the planned net output versus the output level originally discussed in the amendment.

Response

The amendment indicates gross generation at 625 MW and net output, by difference, of 525 MW.

I inadvertently neglected to account for the fact that we have been negotiating to supply synthetic gas "across-the-fence" to an industrial customer. Assuming that commercial agreement is finalized, we will utilize spare capacity in the gasification system and process slightly more feedstock.

This additional synthetic gas will also result in additional steam from this gasifier technology. The additional steam, superheated in the HRSGs, will result in additional steam turbine generator output – bringing the planned gross generation to an estimated 657 MW. Net output is therefore estimated at 541 MW, as noted in Response 1 above.

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business
Technician C.H. Date Processed 9/8/04

Question 3

Planned gross plant total (MW):

Response

As noted in Response 2 above, Planned Gross Output is estimated at 657 MW, with the sale of synthetic gas "across-the-fence" and 625 MW without that sale.

Question 4

Planned internal plant consumption, and where the majority of plant consumption will take place.

Response

Planned internal capacity consumption is estimated at 116 MW with the synthetic gas sale and 100 MW without the sale.

Approximately 75% of the site parasitic load will be used by the main air compressors in the air separation unit (ASU) to produce oxygen and nitrogen.

Questions 5

An explanation of changes to be made to the facility as described in the original application to accommodate the additional energy production (i.e. whether the additional generation will be larger combustion turbine generators, or steam turbine generators, and the original output and currently planned output levels of the re-sized generators).

Response

The size of the combustion turbine generator trains will remain unchanged. Each GE 7FA gas turbine, generates 197 MW on synthetic gas, and will operate at or near their torque limit. They will operate, and are already permitted by Ohio EPA to operate, at their maximum capacity.

The steam turbine and its generator size will increase, associated with the steam production from the gasifiers. The steam turbine is not an OEPA source.

Some additional cooling tower capacity is likely, associated with both the ASU and the steam turbine size increases. Significant water use in the gasification system serves to minimize both water make up and cooling duty. Once the design is advanced further, any necessary modification of the cooling tower air permit will be processed in timely fashion.

The "preferred location" in the original application remains essentially unchanged.

Finally, as indicated in earlier emails, we will mitigate all noise sources to conform to commitments in the original application and certificate.

We trust that this response meets your needs.

Please call me at 513-621-0077, should you have any questions.

Respectfully submitted.

A handwritten signature in black ink, appearing to read "D. Lockwood". The signature is fluid and cursive, with the first letter of each word being capitalized and prominent.

Dwight N. Lockwood, PE, QEP
Sr. Vice President, Regulatory Affairs

Cc: Robert J. Schmidt, Jr. – Porter Wright Morris & Arthur