

COMMONWEALTH OF KENTUCKY
BEFORE THE KENTUCKY STATE BOARD ON
ELECTRIC GENERATION AND TRANSMISSION SITING

In the Matter of:

THE APPLICATION OF KENTUCKY)	
PIONEER ENERGY, LLC FOR A)	
CONSTRUCTION CERTIFICATE)	CASE NO. 2002-00312
PURSUANT TO KRS 278.704(1) TO)	
CONSTRUCT A MERCHANT)	
ELECTRIC GENERATING FACILITY)	

KENTUCKY PIONEER ENERGY, LLC'S RESPONSE TO
POST-HEARING DATA REQUESTS FROM
EVIDENTIARY HEARING BEFORE THE SITING BOARD
ON MARCH 6, 2003

FILED: MARCH 14, 2003

KENTUCKY PIONEER ENERGY, LLC

CASE NO. 2002-00312

**Kentucky Pioneer Energy, LLC's Response to
Board Staff's First Data Request
Dated January 13, 2003**

Question No. 1

Responding Witness: Dwight N. Lockwood

How many trucks would it require to deliver the necessary amount of feedstock in the event that the rail delivery system completely fails?

Assuming the remote possibility of a total and complete failure of the rail system, sufficient to deplete feedstock reserves, KPE will utilize natural gas as contingency or back-up fuel.

The rail facilities at J.K. Smith can be accessed either by a northern spur with the adjacent CSX freight line or by a southern spur. However, depending on the nature and length of the rail service disruption, KPE may use its feedstock reserves to run one of its turbines on Syngas and run the other turbine on natural gas while keeping sufficient feedstock on hand for restart. In the event that rail service is interrupted for an extended period of time and natural usage is limited, KPE would utilize 100% coal feedstock and would be forced to have that feedstock shipped by ground. Although KPE considers this last scenario as highly remote, it would require approximately 150 30-ton capacity trucks to supply 100% coal feedstock.

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Question No. 2

Responding Witness: Dwight N. Lockwood

Where did the samples of the RDF entered as Exhibits No. 3, 4 and 6 originate from?
Who was the manufacturer?

University of Missouri, School of Engineering, Capsule Pipeline Research Center provided the cylindrical pellets, from their prototype development program while Cooper Equipment, 227 West 20 South Knox Drive, Burley, ID 83318, is believed to have provided the square cross section pellets labeled. Warren & Baerg Manufacturing, Inc., 39950 Road 108, Dinuba, CA 93618, also produces suitable pellets.

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Question No. 3

Responding Witness: Dwight N. Lockwood

Q-3. Will the noise produced by the KPE IGCC facility be louder than the EKPC gas fired turbines when running?

A-3. No. The KPE IGCC turbines will not be louder than the EKPC turbines.

As stated in the Final Environmental Impact Statement ("FEIS") and in the Siting Board's consultant's report, EPA has identified outside noise levels of 55 dB and inside levels of 45 dB as desirable to protect public health and welfare. Studies conducted in 1979 for the J.K. Smith Site, at locations not influenced by highway traffic, produced ambient noise levels of 39 to 55 dBA. Noise monitoring performed by EKPC since 1992 confirms that the noise data collected in 1979 is still representative of ambient noise conditions for the area.

KPE will comply with Natural Resource and Environmental Protection Cabinet requirements and the mitigation recommendations contained in the FEIS and the Siting Board Consultant's Report.

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Question No. 4

Responding Witness: Dwight N. Lockwood

What are the names and address of Global Energy's power plants?

Wabash River Energy, 444 West Sanford Avenue, West Terre Haute, IN 47885 and Fife Energy, Westfield Development Centre, Cardenden Fife, Scotland KY5 OHP.

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Question No. 5

Responding Witness: Dwight N. Lockwood

Please provide the Department of Water's regulations describing the temperature emission limits on treated water returned to the Kentucky River.

Water Effluent Limits to be specified in the KPDES Permit will be governed by 401 KAR 5:031, Section 4, Surface Water Standards. A copy of 401 KAR 5:031, Section 4 is attached as Exhibit A for the Board's convenience.

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