

May 20, 2004

NEF#04-019

ATTN: Document Control Desk  
Director  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Louisiana Energy Services, L. P.  
National Enrichment Facility  
NRC Docket No. 70-3103

**Subject: Response to NRC Request for Additional Information Regarding the National Enrichment Facility Environmental Report**

- References:
1. Letter NEF#03-003 dated December 12, 2003, from E. J. Ferland (Louisiana Energy Services, L. P.) to Directors, Office of Nuclear Material Safety and Safeguards and the Division of Facilities and Security (NRC) regarding "Applications for a Material License Under 10 CFR 70, Domestic licensing of special nuclear material, 10 CFR 40, Domestic licensing of source material, and 10 CFR 30, Rules of general applicability to domestic licensing of byproduct material, and for a Facility Clearance Under 10 CFR 95, Facility security clearance and safeguarding of national security information and restricted data"
  2. Letter NEF#04-002 dated February 27, 2004, from R. M. Krich (Louisiana Energy Services, L. P.) to Director, Office of Nuclear Material Safety and Safeguards (NRC) regarding "Revision 1 to Applications for a Material License Under 10 CFR 70, "Domestic licensing of special nuclear material," 10 CFR 40, "Domestic licensing of source material," and 10 CFR 30, "Rules of general applicability to domestic licensing of byproduct material"
  3. Letter dated April 29, 2004, from M. Wong (NRC) to R. Krich (Louisiana Energy Services) regarding "Request for Additional Information Related to the Preparation Of An Environmental Impact Statement For The Louisiana Energy Services Proposed National Enrichment Facility"

By letter dated December 12, 2003 (Reference 1), E. J. Ferland of Louisiana Energy Services (LES), L. P., submitted to the NRC applications for the licenses necessary to authorize construction and operation of a gas centrifuge uranium enrichment facility. Revision 1 to these applications was submitted to the NRC by letter dated February 27, 2004 (Reference 2). By letter dated April 29, 2004 (Reference 3), the NRC requested additional information and

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clarifications regarding the Environmental Report be provided within 15 working days (i.e., by May 20, 2004).

The Reference 3 letter includes the NRC Request for Additional Information (RAI) covering the National Enrichment Facility (NEF) Environmental Report (ER). This letter transmits the LES responses to these requests.

Enclosure 1 to this letter provides a compact disc (CD-ROM) containing an electronic version of the LES responses and associated tables and figures referenced in the various responses as requested in the Reference 3 letter.

Enclosure 2 to this letter provides a CD-ROM containing a sample calculation to allow the NRC to reproduce the site score results in ER Section 2.1.3.3, XOQDOQ model input files used to generate the air quality impact data from the proposed NEF operation in ER Section 4.6.2.3, and meteorological data supplied by Waste Control Specialists as requested in RAI 2-7A, RAI 4-4A, and RAI 4-11A, respectively.

Attachment 1 to this letter provides the RAIs with the associated LES response.

Attachment 2 to this letter provides Tables referenced in various RAI responses.

Attachment 3 to this letter provides Figures referenced in various RAI responses.

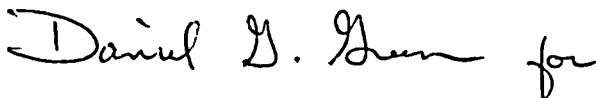
Attachment 4 to this letter provides a copy of a letter dated March 12, 2004, from J. Mace (US Army Corps of Engineers) to G. Harper (Framatome-ANP) regarding the absence of Corps of Engineers' jurisdictional waters on the NEF site.

Attachment 5 to this letter provides a copy of a letter dated April 13, 2004, from R. Krich (Louisiana Energy Services, L.P.) to J. Parker (New Mexico Environment Department) regarding "Registration of X-Ray Radiation Machines for the National Enrichment Facility."

Attachment 6 to this letter provides documents requested in various RAIs.

If you have any questions, please contact me at 630-657-2813.

Respectfully,



R. M. Krich  
Vice President – Licensing, Safety, and Nuclear Engineering

Enclosures:

1. CD-ROM – LES Responses to April 29, 2004, Requests for Additional Information.
2. CD-ROM – Data Files Provided in Response to Requests.

Attachments:

1. LES Responses to April 29, 2004, Request for Additional Information.
2. LES Responses to April 29, 2004, Request for Additional Information: Tables Referenced from Responses.
3. LES Responses to April 29, 2004, Request for Additional Information: Figures Referenced from Responses.
4. LES Responses to April 29, 2004, Request for Additional Information: Letter Dated March 12, 2004, from J. Mace (US Army Corps of Engineers) to G. Harper (Framatome-ANP) Regarding the Absence of Corps of Engineers' Jurisdictional Waters on the NEF Site.
5. LES Responses to April 29, 2004, Request for Additional Information: Letter Dated April 13, 2004, from R. Krich (Louisiana Energy Services, L.P.) to J. Parker (New Mexico Environment Department) Regarding "Registration of X-Ray Radiation Machines for the National Enrichment Facility."
6. LES Responses to April 29, 2004, Request for Additional Information: Documentation Supplied in Response to Requests.

cc: T.C. Johnson, NRC Project Manager (w/o Attachments) (w/o Enclosures)  
M.C. Wong, NRC Environmental Project Manager