



DEC 11 2009  
NEF-09-00231-NRC

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

Louisiana Energy Services, LLC  
NRC Docket No. 70-3103

Subject: DOE Updated Cost Estimate for Conversion and Disposal of DUF<sub>6</sub>

- References:
1. Email Communication from T. Naquin (NRC) to S. Cowne (LES), dated December 4, 2009
  2. LES Letter Number NEF-09-00132-NRC, dated September 14, 2009
  3. Letter from I. Triay (DOE) to G. Smith (LES), dated March 17, 2008
  4. Letter from F. Marcinowski (DOE) to G. Smith (LES), dated September 11, 2009

Pursuant to the NRC's request (Ref.1), Louisiana Energy Services, LLC (LES) is providing the following comparison of cost estimates for Department of Energy (DOE) conversion and disposal of depleted uranium hexafluoride (DUF<sub>6</sub>) to be generated by LES at the National Enrichment Facility:

Source	Basis	Max. Cost Estimate (\$/kg of DUF <sub>6</sub> )	Reference
DOE	2007 evaluated rate	5.76	Ref. 3
LES	2009 estimated rate (based on 2008 estimated rate plus 3% escalation)*	6.05	Ref. 2
DOE	2009 evaluated rate	5.21	Ref. 4

\* The 2009 estimated rate was actually derived by escalating the DOE evaluated rate for 2007 (cf. Ref. 3) by 2.5% for 2008 and 2009, successively (i.e., equivalent to a 5% escalation of the 2007 evaluated rate to obtain the 2009 estimated rate).  
[Note: The 3% escalation (cf. Ref. 2) is a rounded-up value of the 2.5% escalation; and was used for general reference only.]

Should there be any questions concerning this submittal, please contact Stephen Cowne, LES Director of Quality and Regulatory Affairs, at 505.394.4646.

Sincerely,

Dave Sexton for  
Gregory OD Smith  
Chief Nuclear Officer and Chief Operating Officer

UNSSOI

cc:

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