

## **SAFEGUARDS INFORMATION**

March 10, 2010

Mr. Don Parker, Manager Safeguards, Safety, and Security  
AREVA Enrichment Services LLC  
Solomon Pond Park  
400 Donald Lynch Boulevard  
Marlborough, MA 01752

SUBJECT: AREVA ENRICHMENT SERVICES PHYSICAL PROTECTION GUIDANCE  
(TAC NO. L32707)

Dear Mr. Parker:

The enclosures to this letter provide you with physical protection program information pertinent to your license application for the proposed Eagle Rock Enrichment Facility. The existing regulations provide the basis for the physical protection and materials control and accounting requirements needed for a gas centrifuge enrichment facility. The Commission has imposed interim compensatory measures (ICMs) on existing Category III fuel cycle facility licensees to address the current threat environment. These ICMs are attached for your information and general consideration. Under these ICMs, current Category III fuel cycle facilities must identify critical target areas, if any, and provide a means for protecting the critical target areas. Critical target areas are determined based on radiological exposures and exposures to chemicals related to licensed radioactive materials.

The U.S. Nuclear Regulatory Commission regulations are subject to revision through rulemaking. The ICMs could be altered if a significant change in the threat environment has occurred, or the Commission determines that other changes are needed. We will endeavor to keep you informed of any potential changes to the Commission's regulations or any changes to supplemental safeguards that could be the subject of subsequent orders to future licensees.

We are also providing for your information the most current advisory information provided to Category III fuel cycle facilities.

If you have any questions regarding this matter, please contact me at (301) 492-3110, or via email to [breeda.reilly@nrc.gov](mailto:breeda.reilly@nrc.gov).

In accordance with Title 10 of the *Code of Federal Regulation* 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of the Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

**SAFEGUARDS INFORMATION**

**SAFEGUARDS INFORMATION**

D. Parker

- 2 -

The enclosures contain safeguards information, as defined in Section 147 of the Atomic Energy Act, and therefore will neither be placed in the Public Document Room nor the Publicly Available Records component of the NRC's Agencywide Documents Access and Management System (ADAMS) document system.

Sincerely,

**/RA/**

M. Breeda Reilly, Project Manager  
Advanced Fuel Cycle, Enrichment,  
and Uranium Conversion Branch  
Special Projects and Technical  
Support Directorate  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Enclosure:  
Category III ICMs  
Current Advisory Information

Docket No.: 70-7015

Document transmitted herewith  
contains Safeguards Information.  
When separated from enclosure, this  
document is decontrolled.

**SAFEGUARDS INFORMATION**

**SAFEGUARDS INFORMATION**

D. Parker

- 2 -

The enclosures contain safeguards information, as defined in Section 147 of the Atomic Energy Act, and therefore will neither be placed in the Public Document Room nor the Publicly Available Records component of the NRC's Agencywide Documents Access and Management System (ADAMS) document system.

Sincerely,

**/RA**

M. Breeda Reilly, Project Manager  
Advanced Fuel Cycle, Enrichment,  
and Uranium Conversion Branch  
Special Projects and Technical  
Support Directorate  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Enclosure:  
Category III ICMs Current Advisory Information

Docket No.: 70-7015

Document transmitted herewith contains Safeguards Information. When separated from enclosure, this document is decontrolled.

**DISTRIBUTION:**

MWeber/NMSS	CHaney/NMSS	MBailey/FCSS	DDorman/FCSS
RVirgilio/FMSE	AKock/FSME	JWeil/OCA	CSafford/OGC
JHenson/RII	RTrojanowski/RII	DMcIntyre/OPA	DSeymour/RII
CTaylor/RII	TGody/RII	TLiu/FCSS	BWray/NSIR
RNorman/NSIR	BStapleton/NSIR		

**ML100290352**

<b>OFFICE</b>	NMSS/AFCB	NMSS/FMB	NMSS/AFCB	NMSS/AFCB
<b>NAME</b>	BReilly	THristopoulos	THiltz	B Reilly
<b>DATE</b>	2/22/10	2/22/10	03/05/10	03/10/10

**OFFICIAL RECORD COPY**