NRC FORM 374

#### U.S. NUCLEAR REGULATORY COMMISSION

## MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified

Licensee

- 1: Nuclear Fuel Services, Inc.
- 2. 1205 Banner Hill Road Erwin, TN 37650-9718

- 3 License Number SNM-124, Amendment 65
- 4. Expiration Date July 31, 2009
- 5. Docket No. 70-143 Reference No.

- Byproduct Source, and/or
   Special Nuclear Material
  - Uranium enriched up to 100 w/% in the U235 isotope which may contain up to an average of 10<sup>-6</sup> grams plutonium per gram of uranium. 0.25 millicuries of fission products per gram of uranium and 1.5 x 10<sup>-5</sup> grams transuranic materials (including plutonium), per gram of uranium,
- Form.
  - As described in Appendix B to Chapter 1 of the NFS license application, excluding pyrophoric forms
- 7. Chemicap and/or Physical 8. Maximum amount that Licensee May Possess at Any One Time Under This License

Uranium enriched up to 100 w/% in the U233 isotope

as contaminants.

- B.1 Any form, but only as residual contamination from previous operations
- B.2 Any form, as received B.2 for analysis and/or for input into development studies

- Authorized place of use: The licensee's existing facilities in Unicoi County, Tennessee, as described in 9. the referenced application.
- 10. This license shall be deemed to contain two sections: Safety Conditions and Safeguards Conditions. These sections are part of the license, and the licensee is subject to compliance with all listed conditions in each section.

ATORY COMMISSION

Date: 11/16/05

Gary`S. Janosko, Chief 🧀 🦲 Fuel Cycle Facilities Branch Division of Fuel Cycle Safety and Safeguards Washington, DC 20555

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### SAFETY CONDITIONS

S-1 For use in accordance with the statements, representations, and conditions in Chapters 1 through 8 of the application submitted by letter dated July 24, 1996, and supplements dated May 9 and November 14, 1997; March 13, March 25, June 23, July 23, August 7, August 14, August 28, September 4, September 11, September 15, September 25, September 28, October 19, October 21, October 22, October 23, November 6, November 13, November 16, November 20, November 24, December 18, and December 21, 1998; January 29, February 4, February 10, February 16, February 24, April 20, April 23, May 21, July 30 (NFS No. 21G-99-0058), July 30 (NFS No. 21G-99-0093), August 13, December 10, December 21, and December 29, 1999; January 25, March 31, July 6, August 18, August 23, September 1, November 3, December 5, December 8, December 14, December 20, and December 27, 2000; January 11, January 12, March 30, May 11, June 29, October 5, and October 25, 2001, February 21, February 28, March 8, March 12, April 3, April 4, August 23, September 13, October 18, December 17, and December 23, 2002; January 23, February 10, February 14, February 27, March 3, March 6, March 10, March 13, April 14, April 16, April 22, July 31, September 26, and October 27, 2003; January 9, April 5, September 20, November 17, December 3, 2004 (except section 1.7.2.1 and relaxing the review frequency of operating procedures by the safety review committee), and December 16, 2004; April 22 (ML051170273), April 22 (ML051260178), April 29, May 23, May 31, and July 18, 2005.

For the Blended Low-Enriched Uranium (BLEU) Preparation Facility (BPF) and Oxide Conversion Building (OCB) and Effluent Processing Building (EPB): May 24, August 16, October 11, October 16, November 8, and December 3, 2002; March 8, April 4, June 20, September 3, September 5, October 23 (Attachment 1), October 31, November 5, December 5, and December 10, 2003; February 6, February 11, February 25, March 12, March 15, March 16, March 17, March 18, March 19, April 30, and May 21, 2004.

- S-2 Deleted by Amendment 59, dated January 2005.
- S-3 Deleted by Amendment 5, dated May 2000.
- S-4 Deleted by Amendment 59, dated January 2005.
- S-5 Deleted by Amendment 59, dated January 2005.
- S-6 Deleted by Amendment 2, dated February 2000.
- S-7 Deleted by Amendment 2, dated February 2000.

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INC KONN STAN	U.S. NUCLEAR REQUESTOR I COMPRESSION	License Number SNM-124	
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S-12			
S-13	Deleted by Amendment No. 4, March 2000.		
S-14	The will be protect resistance rating.	ted by barriers with an equivalent two hour fire	
S-15	Active and administrative controls for flammable area where flammable liquids and gases are pro	e liquids and gasses must be operable in the fire esent during KAST processing.	
S-16	Prior to August 15, 1999, KAST Process fire was recommendations, as described in NFS Docum Request for Additional Fire Safety Information for	alls will be upgraded to meet FHA lent No. 21G-98-0198, NFS Response to or the KAST Process, dated December 8, 1998.	
S-17	Prior to December 31, 1999, NFS shall protect material vaults from lightning by installing a ligh standard "Lightning Protection Code." NFPA 78	thing protection system in accordance with the	
S-18	Prior to August 15, 1999 fixed combustible gas detectors in the land and shall be capable of alarming locally and at a constantly manned location.		
S-19	Prior to December 31, 1999, NFS will upgrade a constantly manned location.	all process area sprinkler systems to alarm at a	
S-20	Deleted by Amendment 24, April 2001		
S-21	Deleted by Amendment No. 64, dated August 2	.005.	
S-22	NFS shall perform the following steps as detaile (NFS Document 21G-99-0207).	ed in the NFS Bulk Chemical Tank Analysis	
!	A. By July 31, 2001, for	NFS shall:	
	Perform a 100 percent visual internal t	ank inspection.	
	<ol><li>Provide details of internal nozzle pene drawing, then recalculate estimated se</li></ol>		
	3. Conduct liquid penetrant examinations	of floor-to-shell welds.	

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		c. Prior to December 31, 2001, NES shall confor	a written plan that details the continued brage tanks that will provide a documented and a second set of ultrasonic thickness tests
		wall thickness to be determined. The an internal inspection and a liquid penetra.  D. As required by code, each tank shall have	a permanent nameplate attached specifying Society of Mechanical Engineers, "Boiler and

- S-23 NFS shall inform the NRC within 30 days of receipt of a violation notice from the State of Tennessee Division of Air Pollution or Water Pollution Control, or receipt of modified requirements of the state-issued National Pollutant Discharge Elimination System (NPDES) permit.
- S-24 The licensee shall maintain and execute the response measures in the Emergency Plan, Revision 8, transmitted by letter dated June 8, 2004, or as further revised by the licensee consistent with 10 GFR 70.32(i).
- S-25 NFS may make changes (modifications, additions, or removals) to the site, structures, processes, systems, equipment, components computer programs, and activities of personnel without license amendment, provided that the proposed change does not involve:
  - (1) the creation of new types of accident sequences that, unless mitigated or prevented, would exceed the performance requirements of 10 CFR 70.61 and have not previously been described in the ISA summary;
  - (2) the usage of new processes, technologies, or controls for which NFS has no prior experience;
  - (3) the removal, without at least an equivalent replacement of the safety function, of an item relied on for safety that is listed in the ISA summary;
  - (4) the alteration of any item relied on for safety, listed in the ISA summary, that is the sole item preventing or mitigating an accident sequence that exceeds the performance requirements of 10 CFR 70.61; and

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(5) a change to the conditions of this license or Part I of the license application.

Proposed changes not meeting all of the above criteria shall be deemed to require NRC approval by amendment. As part of the application for amendment, NFS shall perform an ISA for the change and submit either an ISA summary or applicable changes to a prior existing ISA summary. NFS shall also provide any necessary revisions to its environmental report.

Proposed changes requiring revision of applicable safety or environmental bases, but not requiring an amendment to the license in accordance with the above criteria, shall be reviewed and approved by the NFS safety review committee. The internally authorized change documentation shall provide the basis for determining that the change will be consistent with the criteria (1) through (5) above.

For any internally authorized change implemented by NFS without NRC approval pursuant to this license condition, NFS shall submit annually to the NRC applicable changes to the ISA summary of a prior existing ISA. In addition, NFS will submit annually a brief summary of all internally authorized changes not requiring prior NRC approval. NFS will submit by January 30<sup>th</sup> of each calendar year the revisions to the ISA summary and the summary of all internally authorized changes not requiring NRC approval.

- S-26 Prior to engaging in the decommissioning activities specified in Section 1.6.6 of the license application dated November 16, 1998 NFS must determine the status of the procedures and activities planned with respect to 10 CFR 70.38(g)(1) of required. NFS must submit a decommissioning plan to the NRC for review and approval prior to initiating such actions.
- S-27 By January 30 of each calendar year, the licensee shall update the safety demonstration sections of the license application to reflect the licensee's current operations and evaluations. The updates shall, as a minimum, include information for the health and safety section of the application as required by 10 CFR 70.22(a) through 70.22(f) and 70.22(i) and operational data on environmental releases as required by 70.21.
- S-28 Deleted by Amendment 31, October 2001.
- S-29 Deleted by Amendment 31, October 2001.
- S-30 Deleted by Amendment 31, October 2001.
- S-31 Deleted by Amendment 31, October 2001.
- S-32 Deleted by Amendment 31, October 2001.
- S-33 Deleted by Amendment 31, October 2001.
- S-34 Deleted by Amendment 31, October 2001.

normal case does not require functional testing, calibration, or preventive maintenance.

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CCE that is tested by every use and that is used with sufficient frequency to ensure adequate reliability does not require functional testing or preventive maintenance, unless it contains parts that degrade over time.

CCE items will be inspected after initial installation, replacement, and by periodic NCS audits. Deleted by Amendment 32, February –

Deleted by Amendment 5, dated April 2000 –

Condment 22, dated March 2001.

- S-41
- S-42
- S-43
- S-44
- Deleted by Amendment 32, February 2002. S-45
- By August 1, 2000, NFS shall submit a Criticality Safety Upgrade Program (CSUP) Plan to NRC S-46 for review and approval. This CSUP shall address the following elements, at a minimum:
  - 1. All Nuclear Criticality Safety Analyses (NCSAs) performed or revised after May 1, 2000, shall be upgraded as follows:
    - (a) the criticality safety basis shall be consolidated in a single integrated and self-consistent document:
    - (b) all engineered structures, systems, and components and operator actions relied on to meet the double contingency principle shall be clearly identified for each accident sequence leading to criticality;
    - (c) the basis for double contingency shall be clearly documented, including technical documentation of the independence and unlikelihood of control failure;
    - (d) normal and credible abnormal operating conditions shall be clearly identified; and
    - (e) all assumptions credited for criticality safety shall be supported by documentation consisting of a technical demonstration of the adequacy of the assumptions rather than reliance on engineering judgement or historical practices.
  - 2. By August 1, 2001, management procedures defining the criticality safety program shall be upgraded to the following standards:
    - (a) the NCSAs consist of self-contained safety basis documents, sufficiently detailed to permit independent reconstruction of results by a knowledgeable criticality safety specialist without reliance on additional site-specific or historical knowledge;

- (b) the standard technical practices used in designing calculational models are specified in sufficient detail to ensure that the resulting NCSAs are uniform with respect to modeling reflection, determining the optimal range of moderation, treating interactions, accounting for dimensional tolerances, and any bounding approximations in models;
- (a) evaluation of accident sequences take potential interaction between fire and chemical safety and criticality safety into account;
- (d) the scope, conduct, and documentation of independent reviews of NCSAs are specified;
- (e) the applicability of code validation(s) to the specific cases being modeled is evaluated, including a determination of the adequacy of the subcritical margin;
- (f) engineered as opposed to administrative controls are used as the preferred method of ensuring criticality safety, wherever practicable
- (g) the basis for using administrative instead of engineered controls is documented as part of the NCSA; and
- (h) a problem reporting and corrective action program is established to ensure the effectiveness of the criticality safety program and criticality controls, and to ensure that effective corrective actions and lessons learned are flowed down into appropriate implementing documents. This program shall include the re-evaluation of the unlikelihood of control failure, as part of the double contingency safety basis, as control failure data is generated.
- S-47 By July 31, 2001, NFS shall submit to NRC for approval the following information related to the North Site Decommissioning Plan:
  - (a) area factors for volumetrically-contaminated soils and the technical basis for those area factors,
  - (b) actual Minimum Detectable Concentrations (MDCs) for the Nal detector and the technical basis for those MDCs.
  - (c) appropriate investigation levels (ILs) for static and scan survey measurements that will be performed in impacted areas.
- S-48 Notwithstanding the Derived Air Concentration (DAC) and Annual Limit on Intake (ALI) listed in Appendix B to 10 CFR Part 20, the licensee may use adjusted DAC values and adjusted ALI values specified in International Commission on Radiation Protection (ICRP), Publication 68 (Annals of the ICRP Volume 24, No.4).

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S-49	NFS shall utilize, for setpoint determinations, co for safety limits, instrument and system accurac manufacturer's data and operating experience. formal calculation and shall be documented for	cies, response times, instrument drift, The analysis for each safety setpoint shall be a
S-50	By February 13, 2004, NFS shall submit a revise that incorporates changes resulting from NRC redated September 3, September 5, October 31, I December 10, 2003.	eview questions documented in NFS letters
S-51	The licensee shall submit a revised OCB/EPB Integrated Safety Analysis Summary that incorporates all changes to date, at least fifteen (15) days prior to the NRC's Operational Readiness Review	
SAFEGUARDS CONDITIONS		
Section-1.0 ABRUPT LOSS DETECTION (For SSNM Only):		
SG-1.1	Notwithstanding the requirement of 10 CFR 74. for each unit process, the process units listed in	
	Condition SG-5.1 shall be exempt from such de	
monitoring system shall be comprised of the control units described in Section 1.3 (and all sub-		
	sections therein) of the above mentioned Plan.	
Section-2.0 ITEM MONITORING (For SSNM Only):		

SG-2.1 Notwithstanding the requirement of 10 CFR 74.55(b) for item monitoring tests for all item categories except those identified by 10 CFR 74.55(c), and notwithstanding statement #8 of Section 2.3.3 of the Plan identified in Condition SG-5.1, the licensee is exempt from

Such standards are not, however, exempted

from physical inventory requirements.

## Section-3.0 -- ALARM RESOLUTION

SG-3.1 The licensee is authorized to continue material processing operations in Control Units 1, 3, 4, 5, and 15 under process monitoring alarm conditions. During the continuation of processing operations, the measures contained in Section 3.1.1 of the Plan identified in Condition SG-5.1 shall be implemented.

## Section-4.0 -- QUALITY ASSURANCE (SSNM & LEU):

SG-4.1 Notwithstanding the requirements of 10 CFR 74.31(c)(2) for LEU and 10 CFR 74.59(d)(1) for SSNM to maintain a system of measurements to substantiate both the element and fissile isotope content of all SNM received, inventoried, shipped or discarded, SNM measured by the

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	licensee for U-233, U-235, or Pu-239 by non-demeasured for total element if the calculated elecontent which, in turn, is traceable to an isotopi generation.	ment content is based on the measured isotope
SG-4.2	Notwithstanding the requirement of 10 CFR 74.59(e)(8) to establish and maintain control limits at the 0.05 and 0.001 levels of significance for all HEU related measurements, the licensee may use one and two scale divisions as being equivalent to the 0.05 and 0.001 control levels, respectively, for mass measurements.	
SG-4.3	Notwithstanding Section 4.5.1 of the Plan identified in Condition SG-5.1, which states that a physical inventory of SSNM is conducted at an interval of at least every six calendar months with no more than 185 days elapsing between any two consecutive inventories, the licensee is granted an extension of time from April 3, 2000, to June 2, 2000 for conducting its SSNM physical inventory. This condition automatically expires on June 5, 2000.	
SG-4.4	Notwithstanding the requirement of 10 CFR,74.59(f)(2)(viii) to remeasure, at the time of physical inventory, any in-process SSNM for which the validity of a prior measurement has not been assured by tamper-safing, the licensee may book for HEU physical inventory purposes:	
·	measurements performed prior to the st	ess holdup quantities determined by NDA art of an inventory in accordance with the and 4/5/2.3.2 of the Plan identified in Condition
	pre-listed feed material to the prior to the start of an inventory, in account 4.5.2.3.2 of the Plan identified in Condition	process that is introduced into process rdance with the controls described in Section ion SG-5.1, and
		ed by the most recent NDA measurements, in in Section 4.5.2.3.1 of the Plan identified in
SG-4.5	Notwithstanding the requirements of 10 CFR 74.59(f)(1) and 74.59(f)(2)(viii) to measure and inventory all SSNM, the licensee may determine process exhaust ventilation system inventory quantities in accordance with Section 4.5.3.5 of the Plan identified in Condition SG-5.1.	
SG-4.6	Deleted by Amendment 65, dated November 16	6, 2005
SG-4.7	Deleted by Amendment 65, dated November 16	6, 2005.

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- SG-4.33 Notwithstanding the commitments in Section 4.5.3.7 of the Fundamental Nuclear Material Control Plan identified in Condition SG-5.1 to perform material measurements for physical inventories, the licensee may use a material inventory measurement modification with regard to a quantity of partially processed scrap material identified in the October 20, 2004, request letter. This condition shall automatically expire on completion of the final processing of the subject scrap material.
- Notwithstanding the commitment in Section 4.7.1 of the Fundamental Nuclear Material Control (FNMC) Plan identified in Condition SG-5.1 to perform certain receipt verification measurements of strategic special nuclear material, the licensee shall have five (5) additional days to fulfill the above stated commitment relative to the shipment of high-enriched uranium identified in the September 30, 2004, request letter. This condition automatically expires on December 31, 2005.

## Section-5.0 --- FNMC PLANS AND SPECIAL ISSUES IN PLAN APPENDICES

In order to achieve the performance objectives of 10 CFR 74.51(a) and maintain the system capabilities identified in 10 CFR 74.51(b), the licensee shall follow its "Fundamental Nuclear Material Control Plan" (Plan) with respect to all activities involving strategic special nuclear material, except as noted in License Condition SG-5.5. The Plan as currently revised and approved, consists of

General Discussion — Rev	8 (dated April 2005)
Sec. 1 – Process Monitoring ————Rev.	18 (dated July 2005)
Sec. 2 Item Monitoring Rev.	7 (dated July 2005)
Sec. 3 – Alarm Resolution ———— Rev.	
Sec. 4 QA & Accounting Rev.	15 (dated April 2005)
Annex A Rev	5 (dated March 2003)
Annex A Rev.	1 (dated August 1998)
Annex C Rev.	1 (dated August 1998)
Annex D Rev.	2 (dated October 2000)

Revisions to this Plan shall be made only in accordance with, and pursuant to, either 10 CFR 70.32(c) or 70.34.

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SG-5.2 In order to achieve the performance objectives of 10 CFR 74.31(a) and maintain the system capabilities identified in 10 CFR 74.31(c), the licensee shall follow its "Fundamental Nuclear Material Control Plan (Plan) for SNM of Low Enriched Uranium" with respect to all activities involving SNM of low strategic significance. The Plan, as currently revised and approved, consists of:

Section 1		Rev. 5 (dated October 2003)
Section 2		Rev. 4 (dated August 2004)
Section 3		Rev. 6 (dated January 2005)
Section 4	18.98 (\$6.98.05.05.05) 	Rev. 5 (dated January 2005)
Section 5		Rev. 4 (dated January 2005)
Section 6-		Rev. 4 (dated August 2004)
Section 7		Rev. 2 (dated January 2002)
Section 8		Rev. 3 (dated January 2005)
Section 9		Rev. 1 (dated February 1993)
Annex		Rev. 5 (dated January 2005)
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Revisions to this Plan shall be made only in accordance with, and pursuant to, either 10 CFR 70.32(c) or 70.34.

- SG-5.3 Notwithstanding the requirement of 10 CFR 74.59(f)(1)(i) to estimate the standard error associated with SSNM inventory difference values, and notwithstanding the requirements of 10 CFR 74.59(e)(3) through (e)(8) the licensee may, in lieu of said requirements, follow Appendix G of the Plan identified in SG-Condition 5.1 with respect to plutonium measurements and measurement control associated with the plutonium decommissioning project.
- SG-5.3.1 With regard to the plutonium decommissioning project (described in Appendix G of the Plan identified in Condition SG-5.1), the licensee shall comply with the following:
  - (a) For plutonium accountability measurements, the maximum measurement uncertainty (at the 95% confidence level) of measurement values equal to or greater than 100 grams Pu shall not exceed plus or minus 10.0%. For measurement values less than 100 grams Pu, but equal to or greater than 25 grams Pu, the maximum measurement uncertainty shall not exceed plus or minus 20.0% (at the 95% C.L.).
  - (b) For net weight measurements utilized for establishing "nanocuries Pu per gram waste" values (which in turn are used for establishing the category of waste), the maximum measurement uncertainty (at the 95% C.L.) shall not exceed plus or minus 2.00%.
  - (c) Sufficient control measurements shall be generated and documented so as to demonstrate compliance with 5.3.1(a) and (b) above.

- (d) For each inventory period during which plutonium decommissioning activities are conducted, the measurement uncertainty associated with the total quantity of plutonium in item form generated and measured during the period shall be derived from all relevant measurement control data generated during that inventory period.
- (e) For each inventory period during which plutonium decommissioning activities are conducted, plutonium "additions to" and "removals from material in process" (ATP and RFP) shall be calculated. Any measured Pu quantity, in item form, which is generated from existing residual holdup shall be regarded as an ATP at the time of its generation. Any measured Pu quantity, in item form, which is tamper-safe sealed and which will not undergo any additional processing (such as washing, compaction, etc.) prior to shipment off site shall be regarded as an RFP upon obtaining such status. The limit for total plutonium measurement uncertainty for each inventory period shall be the larger of (1) 250 grams plutonium or (2) 10.0 percent of the larger of ATP or RFP.
- (f) The licensee shall investigate any non-zero inventory difference, since a non-zero ID will be (for this operation) indicative of an item(s) discrepancy.
- SG-5.3.2 Storage of plutonium items generated during plutonium decommissioning activities shall be in accordance with the commitments contained in the licensee's Plan identified in Condition SG-6.1.
- SG-5.4 Operations involving special nuclear material which are not described in the appropriate Plan identified by either Condition SG-5.1 or SG-5.2 shall not be initiated until an appropriate safeguards plan (describing all new and/or modified security and MC&A measures to be implemented) has been approved by the appropriate NRC safeguards licensing authority.
- SG-5.5 Notwithstanding the requirements of 10 CFR 74.51(b) and (d), 74.53, and 74.59(d)(3), during periods of curtailed SSNM activities limited to (1) use of less than five (5.000) formula kilograms of SSNM contained in encapsulated or tamper-safe sealed standards; (2) use of less than five (5.000) formula kilograms of SSNM contained in materials associated with R&D activities and/or laboratory services; (3) vault storage of HEU oxides in item form except for samples utilized for independent receipt measurement; (4) storage of low level waste materials destined for offsite disposal; and (5) decontamination and decommissioning operations involving residual holdup and site remediation; the licensee is exempt from the above mentioned regulations and shall, in lieu of these regulations, follow sections 1.0 through 4.0 of its "Fundamental Nuclear Material Control Plan Applicable for Periods of Limited HEU Processing Activities." This Plan, as currently revised and approved, consists of:

 During such periods of limited HEU processing, the licensee need not follow the Plan identified in Condition SG-5.1. Whenever the possession and use limitations defined above in this condition are not applicable, the Plan identified herein shall be regarded as null and void, and the SG-5.1 Plan shall be in full force.

# Section-6.0 -- PHYSICAL PROTECTION REQUIREMENTS FOR STRATEGIC SPECIAL NUCLEAR MATERIAL

- SG-6.1 The licensee shall follow the physical protection plan entitled "NFS Physical Protection Plan for Protection Of Category 1 High Enriched Uranium (Strategic Special Nuclear Material), Revision 1," dated February 24, 2005 (NFS letter, 24Y-05-0001, May 9, 2005) and as it may be further revised in accordance with the provisions of 10 CFR 70.32(e).
- SG-6.2 The licensee shall follow the safeguards contingency plan titled. NFS Safeguards Contingency Response Plan, Revision 0, dated October 26, 2004; and as may be further revised in accordance with the provisions of 10 CFR 70.32(g).
- SG-6.3 The licensee shall follow the guard training and qualification plan titled "NFS Site Security Training Plan, Revision 0," dated October 26, 2004; and as may be further revised in accordance with the provisions of 10 CFR 70.32(e).
- SG-6.4 Notwithstanding the above Safeguards License Conditions (SG-6.1, SG-6.2, SG-6.3), upon possession of less than Category I levels of special nuclear material, the licensee shall follow the measures described in the physical protection plans titled "Physical Security Plan for the Protection of Special Nuclear Material of Moderate Strategic Significance," Revision 5, dated June 23, 1994 (letter dated June 22, 1994), and Revision 6, dated February 6, 1996; and in the "Physical Security Plan for Special Nuclear Material of Low Strategic Significance," Revision 2, dated May 26, 2004; and as they may be further revised in accordance with the provisions of 10 CFR 70.32(e).

### TRANSPORTATION CONDITIONS

### Section-1.0 -- TRANSPORTATION SECURITY MEASURES:

TR-1.1 The licensee shall follow the measures described in the physical security plan titled "Physical Security Plan for the Protection of Special Nuclear Material of Moderate Strategic Significance, Revision 4," dated October 1991 (letter dated December 20, 1991), and as it may be further revised in accordance with the provisions of 10 CFR 70.32 (e).