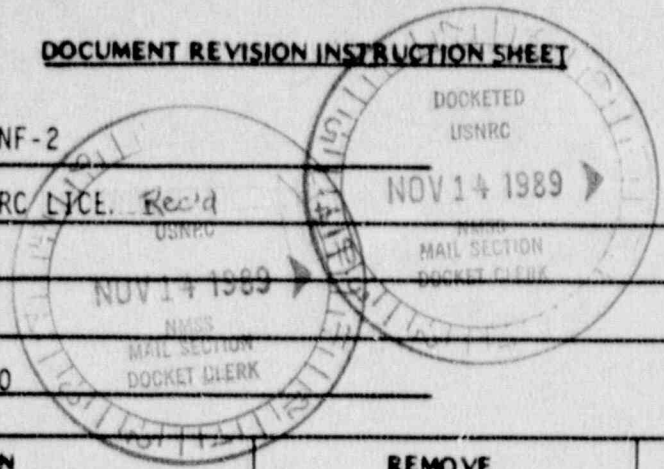


PDR

DOCUMENT REVISION INSTRUCTION SHEET

DOCUMENT NUMBER: ANF-2
 DOCUMENT TITLE: NRC LYCE. Rec'd
 DOCUMENT REVISION: 20



IDENTIFICATION (I.E., SPECIFICATION, DRAWING, PROCEDURE, ETC.)	REMOVE		INSERT	
	PAGE(S)	REVISION	PAGE(S)	REVISION
TABLE OF CONTENTS	iii vii	14 13	iii vii	20 20
Chapter 1	1-5 1-7	13 15	1-5 1-7	20 20
Chapter 10	10-47 10-48 10-49 10-50 -	13 13 13 13 -	10-47 10-48 10-49 10-50 10-50a	20 20 20 20 20
Distribution		19		20

- IF THE SPECIFICATIONS OR PAGES ARE ONLY REMOVED AND NOT REPLACED, PLACE DASHES IN THE INSERT COLUMNS.
- IF THE SPECIFICATIONS OR PAGES ARE ONLY ADDITIONS (NO REPLACEMENTS), PLACE DASHES IN THE REMOVE COLUMNS.

DFOB

26072

8911290049 891103
 PDR ADOCK 07001257
 C FDC

additions

APPLICATION FOR RENEWAL
OF
SPECIAL NUCLEAR MATERIAL LICENSE NO. SNM-1227
(NRC DOCKET NO. 70-1257)

DISTRIBUTION

L. A. Bisping
T. A. Bjørnard
B. N. Femreite
E. L. Foster
R. G. Frain
C. J. Francis
J. W. Fredericks
L. D. Gerrald
J. L. Glesener
W. V. Jackson
D. C. Kilian
D. C. Lehfeldt
C. W. Malody
T. W. Patten
J. E. Pieper
T. C. Probasco (4)
G. L. Ritter
I. J. Samaritano
L. J. Sevigny
J. R. Singleton
W. E. Stavig
I. J. Urza
N. A. Vaught
C. J. Volmer

USNRC/L. C. Rouse (6)
DSHS/G. Robertson (2)
Document Control (5)

TABLE OF CONTENTS		REV. 20
	<u>Page</u>	
FORWARD	0-1	
PART I - LICENSE CONDITIONS		
CHAPTER 1 - STANDARD CONDITIONS AND SPECIAL AUTHORIZATIONS		
1.1	Corporate Information	1-1
1.2	Site Location	1-1
1.3	License Number and Period of License	1-1
1.3.1	Special Nuclear Materials License	1-1
1.4	Possession Limits	1-2
1.4.1	Uranium-235 (20,000 Kilograms)	1-2
1.4.2	Plutonium (Less Than 500 Grams)	1-2
1.5	Authorized Activities	1-2
1.6	Exemptions and Special Authorizations	1-2
1.6.1	Criticality Accident Alarm System Exemption	1-2
1.6.2	Special Processing of Uranium Enriched From 5 to 19.99 wt% U-235	1-4
1.6.3	Plutonium Storage	1-5
1.6.4	Posting Exemption	1-6
1.6.5	Waste Disposal	1-6
1.6.6	Special Nuclear Material Safeguards	1-6
1.6.7	Authorization at Reactor Sites	1-7
1.6.8	Authorization Release Guidelines	1-7
1.6.9	Authorized Criticality Alarm System Outage	1-7
CHAPTER 2 - ORGANIZATION AND ADMINISTRATION		
2.1	Organizational Responsibilities and Authority	2-1
2.1.1	President and Chief Executive Officer	2-1
2.1.2	Vice President, Engineering and Production	2-1
2.1.3	Manager, Operations-Richland	2-1
2.1.4	Manager, Plant Operations	2-2
2.1.5	Manager, Process and Equipment Engineering	2-2
2.1.6	Manager, Facilities and Equipment Engineering	2-3
2.1.7	Manager, Chemical and Ceramic Development	2-3
2.1.8	Manager, Process Support Engineering	2-4
2.1.9	Manager, Equipment and Maintenance Engineering	2-4
2.1.10	Manager, Materials Research	2-5
2.1.11	Manager, Plant Maintenance	2-5
2.1.12	Manager, Safety and Security Operations	2-6
2.1.13	Supervisor, Radiological and Industrial Safety	2-6
2.1.14	Health Physics Technicians	2-7
AMENDMENT APPLICATION DATE: June 1, 1989		PAGE NO.: iii

TABLE OF CONTENTS		REV. 13
	<u>Page</u>	
CHAPTER 2 - ORGANIZATION AND ADMINISTRATION (Cont.d)		
2.1.15	Plant Criticality Safety Engineer	2-8
2.1.16	Manager, Fuel Development and Testing	2-9
2.1.17	Manager, Operations Planning and Scheduling	2-9
2.1.18	Manager, Corporate Licensing	2-9
2.1.19	Health Physics Component	2-10
2.1.20	Criticality Safety Component	2-10
2.2	Personnel Education and Experience Requirements	2-11
2.2.1	Radiological and Industrial Safety Supervisor	2-12
2.2.2	Health Physics Technician	2-12
2.2.3	Plant Criticality Safety Engineer	2-12
2.2.4	Manager, Corporate Licensing	2-12
2.2.5	Health Physics Specialist	2-12
2.2.6	Criticality Safety Specialist	2-12
2.3	Safety Review Committees	2-13
2.3.1	Health and Safety Council	2-13
2.3.2	ALARA Committee	2-14
2.4	Training	2-14
2.4.1	Initial Training	2-15
2.4.2	Followup Training	2-15
2.4.3	Health Physics Technician Training	2-15
2.4.4	Training Evaluations	2-15
2.5	Operating Procedures, Standards and Guides	2-16
2.6	Internal Audits and Inspections	2-16
2.6.1	Radiation Protection	2-16
2.6.2	Criticality Safety	2-17
2.6.3	Hazardous Chemical Safety	2-17
2.6.4	Fire Protection	2-18
2.6.5	Environmental Protection Inspections	2-18
2.7	Investigations and Reporting of Reportable Incidents	2-18
2.8	Records	2-20
CHAPTER 3 - RADIATION PROTECTION		3-1
3.1	Special Administrative Requirements	3-1
3.1.1	ALARA Policy	3-1
3.1.2	Radiation Work Procedures	3-1
3.2	Technical Requirements	3-2
3.2.1	Controlled Areas	3-2
3.2.2	Ventilation	3-3
3.2.3	Work Area Air Sampling	3-4
AMENDMENT APPLICATION DATE: July 1987		PAGE NO.: iv

TABLE OF CONTENTS		REV. 20
	<u>Page</u>	
CHAPTER 9 - GENERAL INFORMATION (Cont.d)		
9.4	Site Description	9-4
9.5	Location of Buildings On-Site	9-5
9.6	Maps and Plot Plans	9-5
9.7	License History	9-5
APPENDIX A		9-12
CHAPTER 10 - FACILITY DESCRIPTION		
10.1	Plant Layout	10-1
10.1.1	SF Building Description	10-1
10.1.2	UO ₂ Building Description	10-3
10.1.3	ELO Building Description	10-6
10.1.4	Contaminated Clothing Laundry	10-6
10.1.5	Fuels Storage Warehouse	10-7
10.1.6	Radioactive Material Warehouse	10-7
10.1.7	Fuel Cooling Test Facility (FCTF)	10-7
10.1.8	UF ₆ Receiving and Storage Facility	10-8
10.2	Utilities and Support Systems	10-8
10.2.1	Electrical Power	10-9
10.2.2	Compressed Air System	10-12
10.2.3	Water	10-13
10.2.4	Sewer System	10-14
10.2.5	Gas and Chemical Storage	10-14
10.2.6	Communications and Annunciations	10-15
10.2.7	Breathing Air	10-16
10.3	Heating, Ventilation and Air Conditioning (HVAC)	10-16
10.3.1	Criteria	10-16
10.3.2	SF Building HVAC Systems	10-18
10.3.3	UO ₂ Building (North) HVAC Systems	10-22
10.3.4	UO ₂ Building (South Addition) HVAC Systems	10-26
10.3.5	UO ₂ Building Line 2 Conversion HVAC Systems	10-29
10.3.6	U ₃ O ₈ Facility HVAC Systems	10-31
10.3.7	ELO Building HVAC Systems	10-33
10.3.8	ELO Addition HVAC Systems	10-35
10.3.9	Contaminated Clothing Laundry HVAC System	10-37
10.4	Radioactive Waste Handling	10-38
10.4.1	Lagoon System Description	10-38
10.4.2	Ammonia Recovery Description	10-40
10.4.3	Lagoon Uranium Recovery (LUR) Facility Description	10-42
10.4.4	Solids Uranium Recovery Facility	10-43
10.4.5	Solid Waste Uranium Recovery Facility Description	10-44
10.4.6	Plutonium-Contaminated Waste Storage	10-47
AMENDMENT APPLICATION DATE		June 1, 1989
PAGE NO.		vii

TABLE OF CONTENTS		REV. 17
	<u>Page</u>	
CHAPTER 10 - FACILITY DESCRIPTION (Cont.d)		
10.5	Fire Protection	10-47
10.5.1	Building Codes and Standards	10-47
10.5.2	Fire Protection Liability Inspections	10-48
10.5.3	Fire Protection Program	10-48
APPENDIX A		10-85
CHAPTER 11 - ORGANIZATION AND PERSONNEL		
11.1	Organizational Responsibilities	11-1
11.2	Functions of Key Personnel	11-1
11.3	Education and Experience of Key Personnel	11-1
11.3.1	President and Chief Executive Officer - R. B. Stephenson	11-2
11.3.2	Vice President, Engineering and Production - R. W. McCullugh	11-4
11.3.3	Manager, Operations-Richland - R. G. Frain	11-6
11.3.4	Manager, Plant Operations - T. W. Patten	11-7
11.3.5	Manager, Safety and Security Operations - R. H. Purcell	11-9
11.3.6	Manager, Plant Maintenance - J. L. Glesener	11-10
11.3.7	Supervisor, Radiological and Industrial Safety - T. C. Probasco	11-12
11.3.8	Industrial Hygienist and Plant Criticality Engineer - S. R. Lockhaven	11-13
11.3.9	Health Physics Technician - D. L. Belt	11-14
11.3.10	Health Physics Technician - J. D. Cudmore	11-16
11.3.11	Radiological Safety Specialist - E. L. Foster	11-18
11.3.12	Health Physics Technician - D. A. Marlin	11-20
11.3.13	Health Physics Technician - J. Rosscup	11-22
11.3.13a	Health Physics Technician - L. G. Bradley	11-22a
11.3.14	Health Physics Technician - W. W. Smith	11-23
11.3.15	Health Physics Technician - G. A. York	11-24
11.3.16	Manager, Materials and Scheduling - I. J. Samaritano	11-25
11.3.17	Manager, Operations Planning and Scheduling - D. C. Lehfeldt	11-27
11.3.18	Manager, Process and Equipment Engineering - H. L. Caudill	11-28
11.3.19	Manager, Process Support Engineering - R. B. McLees	11-30
11.3.20	Manager, Equipment and Maintenance Engineering - J. H. Fastabend	11-31
AMENDMENT APPLICATION DATE		PAGE NO.
October 18, 1988		viii

PART I - LICENSE CONDITIONS	REV. 20
<p>1.6.2.3 <u>Enrichment Blending</u></p> <p>Some of these materials may be used to adjust the enrichments of uranium less than or equal to 5 wt% U-235. The rules on segregation of materials by enrichment obviously cannot apply to the blending operation; however, the blending operation will be subject to a criticality safety analysis and a Criticality Safety Specification.</p> <p>Isotopic analysis shall be performed on each batch of blended material to assure that it is less than or equal to 5 wt% U-235. The blended material shall be handled as for the highest enrichment input to the blend until an isotopic analysis is obtained.</p> <p>1.6.3 <u>Plutonium Storage</u></p> <p>Advanced Nuclear Fuels is presently in possession of plutonium, as PuO₂ and PuO₂-UO₂. This material is in the form of contaminated solid waste stored in drums.</p> <p>These containers shall be stored in the SF Building, Room 162 autoclave pit in accordance with the following controls:</p> <ol style="list-style-type: none"> 1. These stored containers shall be sealed with gaskets. 2. The SF Building storage pit shall be exhausted by the building HVAC system. Two stages of HEPA filtration are provided prior to exiting the exhaust stack. 3. The air exiting the SF Building storage pit shall be continuously monitored and sampled, and the samples analyzed weekly for radioactive material content. <p>Assurance of containment shall be verified at least once every six months by visual inspection and smear survey of the stored waste drums. The inspection and surveys will be documented. All indications of drum leakage will be investigated and appropriate action taken.</p> <ol style="list-style-type: none"> 4. In order to provide continued containment, Advanced Nuclear Fuels may find it necessary to repackage the containers. These activities shall be performed using a special RWP. 5. All alpha discovered by smear surveys or air sampling within the pit area shall be considered as plutonium alpha unless proven otherwise. 	
<p>AMENDMENT APPLICATION DATE June 1, 1989</p>	<p>PAGE NO: 1-5</p>

PART I - LICENSE CONDITIONS

REV.

15

1.6.4 Posting Exemption

All areas in which radioactive materials are stored, handled or used shall be posted with signs meeting the requirements of Title 10, CFR Part 20.203, except that of 20.203(f). In lieu of 20.203(f) requirements, a sign bearing the legend, "Every container or vessel in this area, unless otherwise identified, may contain radioactive material," may be posted at entrances to each building in which radioactive materials are used, stored or handled.

1.6.5 Waste Disposal

Pursuant to 10 CFR 20.302, disposal of solid waste material containing 30 pCi/gram or less to other than a licensed waste disposal facility is authorized. The low enriched uranium shall not exceed 30 pCi/gram of dry solid waste material. The uranium shall be essentially uniformly distributed throughout the waste material.

1.6.6 Special Nuclear Material Safeguards

Specific safeguards requirements for special nuclear material are given in Safeguards Amendment SG-2 issued pursuant to 10 CFR Parts 70, 73, 74 and 75. Those conditions are not affected by this licensing action.

1.6.6.1 Physical Security

Advanced Nuclear Fuels shall follow the special safeguards conditions given in the Safeguards Amendment SG-2 and the NRC approved security plan submitted in accordance with the provisions of 10 CFR Part 73.67(c)(1). The NRC approved security plan is:

1. XN-NF-538, "Physical Protection Plan for Material of Low Strategic Significance." This document shall be maintained in a current and approved status and shall be properly implemented.

1.6.6.2 Material Control and Accounting

Advanced Nuclear Fuels shall follow the special safeguards conditions given in the Safeguards Amendment SG-2 and the NRC approved Fundamental Nuclear Material Control Plan (FNMC) submitted in accordance with 10 CFR Part 74.31(b). The NRC approved FNMC Plan is:

AMENDMENT APPLICATION DATE: February 22, 1988

PAGE NO.: 1-6

PART I - LICENSE CONDITIONS	REV. 20
<p>1. ANF-12, "Nuclear Material Safeguards Procedures Description for the Fuels Fabrication Plant," (Revision 18). This document shall be maintained in a current and approved status and shall be properly implemented.</p> <p>1.6.7 <u>Authorization at Reactor Sites</u></p> <p>Advanced Nuclear Fuels is authorized to possess fuel assemblies or fuel rods at reactor sites for the purpose of loading them into shipping containers and delivering them to a carrier for transport.</p> <p>1.6.8 <u>Authorized Release Guidelines</u></p> <p>Advanced Nuclear Fuels is authorized to release equipment, scrap or facilities for unrestricted use, or for termination of license according to the "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material" as published by the U.S. Nuclear Regulatory Commission dated August 1987. A copy of these guidelines is contained in Appendix A to Chapter 3.</p> <p>1.6.9 <u>Authorized Criticality Alarm System Outage</u></p> <p>Advanced Nuclear Fuels is granted an exemption from 10 CFR 70.24(a) for the purpose of performing maintenance on the criticality alarm system. Sections of the criticality alarm system may be taken out-of-service provided that all movement or processing of fissile material in affected areas is halted for the duration of the outage. Health Physics Technicians will conduct periodic surveys of the areas during the criticality alarm system outage.</p>	
AMENDMENT APPLICATION DATE: June 1, 1989	PAGE NO.: 1-7

PART I - LICENSE CONDITIONS			REV.
Table I-1.1 Specific Locations of Authorized Activities			13
Location	SNM	Authorized Activity	
SF Bldg.	Pu & PuO ₂ -UO ₂ contaminated waste	Storage and repackaging.	
	UO ₂ (up to 19.99 wt% U-235)	Storage, blending, pressing, sintering, fuel rod loading and downloading, fuel rod welding, fuel element assembly; process tests; associated quality control activities.	
	Uranium Compounds (up to 5 wt% U-235)	Waste storage, sorting, incineration, packaging and associated quality control activities.	
UO ₂ Bldg. (including Powder Storage)	Uranium Compounds (up to 5 wt% U-235)	All operational steps of fuel manufacturing from UF ₆ -UO ₂ conversion to packaging finished fuel elements, scrap recycling and reprocessing; process tests; associated quality control activities.	
	UO ₂ (5 to 19.99 wt% U-235)	All operational steps of fuel manufacturing involving UO ₂ ; including associated quality control activities.	
ELO Bldg.	Uranium Compound (up to 19.99 wt% U-235)	All operational steps of fuel manufacturing involving uranium compounds; including process tests.	
FCTF Bldg.	UO ₂ (up to 5 wt% U-235)	Hydraulic flow tests involving single fuel elements.	
Packaged Radioactive Materials Storage Bldg.	Uranium Compounds (up to 5 wt% U-235)	Storage of closed, and externally free of significant contamination containers of product, scrap and waste materials.	

AMENDMENT APPLICATION DATE:

July 1987

PAGE NO.:

1-8

PART II - SAFETY DEMONSTRATION		REV. 20
<p>10.4.5.4 <u>Ash Handling</u></p> <p>Ash formed from the combustion of wastes is pushed along the hearth by incoming feed and by an internal ash plow. The ash is pushed through an ash gate into an ash pit located at the end of the hearth. The ash is cooled in an isolation chamber that discharges periodically into a drum.</p> <p>The drummed ash is transported to an ash screening and milling area where oversize and/or metallic klinkers are separated. The oversize material is milled and combined with the ash in the drum. The drum is assayed for uranium content and stored and/or transported to the UO₂ Building ash dissolution-packaging area. Drums of ash, low in uranium content, are not leached.</p> <p>10.4.5.5 <u>Incinerator Ash Leaching</u></p> <p>Combustion ash is leached with a sodium carbonate-sodium, bicarbonate-sodium hypochlorite solution at elevated temperature in an agitated vessel that is operated on a batch basis for criticality control.</p> <p>The leaching solution and solids are separated by a rotary drum filter. Following separation, the solids are mixed with drying and solidifying agents and loaded into containers for disposal. The leaching solution is treated with an acid at an elevated temperature and air-sparged to destroy carbonates. After destruction of the carbonates, the solution is routed to the miscellaneous uranium recovery system for precipitation and recovery of the uranium.</p> <p>10.4.6 <u>Plutonium-Contaminated Waste Storage</u></p> <p>A waste storage facility is provided for storing plutonium-contaminated waste which remains from a previous mixed oxide fuel fabrications facility. The plutonium concentration in the contaminated waste is greater than allowed for Class C waste and therefore, no disposal site exists which is licensed to receive this waste. The facility is described below and depicted in Figure II-10.33.</p> <p>The storage facility is located in Room 162 of the SF Building. The facility is a below-grade room (approximately 12'x20'x20' deep) constructed of reinforced concrete and covered by steel floor grating overlaid with steel plate. The room contains a sump for liquid collection which is monitored by a liquid level alarm. A sump pump is installed which can be manually activated and which discharges to a waste retention tank south of the UO₂ Building.</p>		
AMENDMENT APPLICATION DATE:	June 1, 1989	PAGE NO: 10-47

PART II - SAFETY DEMONSTRATION		REV. 20
<p>Drum storage will be on steel grating to support the drums off the concrete floor and on a mezzanine also fabricated of steel grating. Ingress and egress for personnel and equipment is from the top of the room.</p> <p>The room is ventilated. Air is drawn down from the roof and exhausted near floor level through one stage of HEPA filtration into the SF Building exhaust system. The exhaust air is continuously sampled and monitored prior to the installed HEPA filter. The air sample is also analyzed weekly.</p> <p style="text-align: center;"><u>10.5 Fire Protection</u></p> <p><u>10.5.1 Building Codes and Standards</u></p> <p>All permanent buildings at the fuel fabrication plant were constructed in accordance with the applicable sections of the following building codes and standards.</p> <ul style="list-style-type: none"> • Uniform Building Code (Seismic Zone II) • Uniform Plumbing Code • Uniform Mechanical Code • Uniform Fire Code • National Fire Codes (NFPA) • National Electrical Code ANSI-C1 • ASHRAE Standards • Washington Administrative Code, Chapter 296-24 • Washington Administrative Code, Chapter 296-44 • Richland Municipal Code and Zoning Regulations • Richland Municipal Ordinances Number: <ul style="list-style-type: none"> 3777 (adopt. Building Code) 3877 (adopt. Plumbing Code) 3977 (adopt. Mechanical Code) <p><u>10.5.2 Fire Protection Liability Inspections</u></p> <p>Advanced Nuclear Fuels has elected to self-insure with regard to property damage. Exxon Corporate Headquarters scheduled a fire protection audit of its' affiliate subsidiaries approximately every three years by an acknowledged fire protection consultant. The City of Richland's Department of Fire and Emergency Services conducts annual fire protection inspections of Advanced Nuclear Fuels' fuel fabrication plant facilities.</p>		
AMENDMENT APPLICATION DATE:	June 1, 1989	PAGE NO.: 10-48

PART II - SAFETY DEMONSTRATION

REV.
20

The most recent copies of these audits and inspections, along with Advanced Nuclear Fuels' reply, are appended (see Appendix A).

10.5.3 Fire Protection Program

10.5.3.1 Combustible Solid Waste Handling and Storage

Outside metal waste containers are provided by the City of Richland for clean wastes. Contaminated combustible wastes are properly sorted into metal boxes or drums, sealed and stored on an outside pad for future uranium recovery or disposal per approved procedures. Additional contaminated combustible wastes are stored in a fire-resistant metal building near the waste barrel/box storage pad. Combustible wastes generated inside the process and other buildings (either clean or contaminated) are collected in metal waste containers and emptied daily into the appropriate waste storage containers.

10.5.3.2 Flammable Liquid Storage

Flammable liquids are stored in approved safety containers or cabinets near the final use location. Additional storage for flammable liquids is provided for in a fire-resistant metal warehouse located away from any radioactive material storage area.

10.5.3.3 Combustible Liquid Storage

Combustible liquids are stored in approved metal containers near the final use location. Additional storage for combustible liquids is provided for on an outside storage pad.

10.5.3.4 Fire Prevention

The manifolds for supplying combustible gases to the facility, including backup hydrogen for the sintering furnaces, are located outside the main building structure. All combustible gas distribution piping meets applicable NFPA codes.

Combustible gas burn-off devices and combustible gas detection equipment are used where necessary to prevent explosion and fires around sintering furnaces and ovens.

AMENDMENT APPLICATION DATE

June 1, 1989

PAGE NO.

10-49

PART II - SAFETY DEMONSTRATION		REV. 20
<p>The HEPA exhaust filters in the UO₂ and SF Buildings are protected from high temperatures and burning debris in the event of fire by automatic deluge systems in the exhaust plenums immediately upstream of the final filter bank.</p> <p>10.5.3.5 <u>Fire Detection and Alarm</u></p> <p>Rate-of-rise/fixed temperature heat detectors are used in the facility to detect fires. This fire alarm equipment is installed to provide automatic, as well as manual, alarm signals in event of a fire. The system includes an annunciator in the Central Guard Station which indicates which zone in the system has actuated (see Figure II-10.32). A signal is also automatically transmitted to the Richland Fire Department. The fire alarm is a multiple-strike gong (two strokes per second). The fire alarm system is inspected and tested in accordance with the applicable preventive maintenance procedures.</p> <p>10.5.3.6 <u>Fire Defenses</u></p> <p>The Advanced Nuclear Fuels' Facility is located within the city limits of Richland, and thus is served by the Richland Fire Department. The Washington Surveying and Rating Bureau has graded the City as Class 3 in its last survey. The closest Richland fire station is located at the intersection of McMurray and Jadwin, about five road miles from the plant.</p> <p>The Fire Department estimates running time to the plant to be about six minutes. The City has Mutual Assistance Agreements with surrounding communities, counties, and the DOE (which has a fire station at the Hanford 300 Area located two miles northeast of the plant site). The DOE fire-fighting staff is well trained in nuclear fire safety precautions and has available equipment for radioactive fire fighting. The Richland Fire Department receives annual training in radiological safety precautions from Advanced Nuclear Fuels personnel.</p> <p>The plant site is fed water from the North Richland water grid through 10-inch diameter water pipes which enter the plant site from the north and south. The plant loop to the hydrants is an 8-inch diameter pipe. There are 11 fire hydrants on plant site (see Figure II-10.18). There are Multipurpose ABC, Halon, Met-L-x, CO₂, BC Dry Chemical, Purple-K Dry Chemical, and AFFF fire extinguishers provided throughout the facility at selected locations. These fire extinguishers are inspected and tested in accordance with the applicable preventive maintenance procedure.</p>		
AMENDMENT APPLICATION DATE:	June 1, 1989	PAGE NO.: 10-50

PART II - SAFETY DEMONSTRATION

REV.
20

The Advanced Nuclear Fuels Plant Emergency Response Teams receive annual training in first aid (or incipient) fire-fighting techniques. The Richland Fire Department has the main responsibility for fighting fires on the plant site.

10.5.3.7 Responsibilities

The Manager, Safety, Security, and Licensing, has the responsibility for inspecting and testing the plant fire extinguishers.

The Manager, Plant Maintenance, has the responsibility for inspecting and testing the plant fire alarm system.

AMENDMENT APPLICATION DATE

June 1, 1989

PAGE NO.

10-50a

DOCKET NO. 70-1257
CONTROL NO. 1 26072
DATE OF DOC. November 6, 1989
DATE RCVD. November 14, 1989

FCUF PDR
FCAF _____ LPDR _____
I & E REF.
SAFEGUARDS

FCTC _____ OTHER _____
DATE 11/14/89 INITIAL SAC