

Applicant Performance Review

Mixed Oxide Fuel Fabrication Facility

Aiken, South Carolina

April 16, 2015



AGENDA



- Introductions
- What We Do
- Discussion of APR Results
- Adjourn Business Portion
- Informal Question and Answer Session with the Public
- Adjourn Meeting

Public Outreach



This is a Category 1 meeting in which the public is invited to observe and will have one or more opportunities to communicate with the NRC after the business portion, but before the meeting is adjourned.

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Public Outreach



To improve our communications, the NRC encourages feedback from meeting participants

- ☐ Please take a few minutes to fill out the NRC public meeting feedback form (NRC Form 659) and return or mail the form to the NRC
- ☐ NRC Form 659, the meeting agenda, and the attendance sheet are located on the table near the entrance to the meeting room
- ☐ Please sign the attendance sheet

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Mission



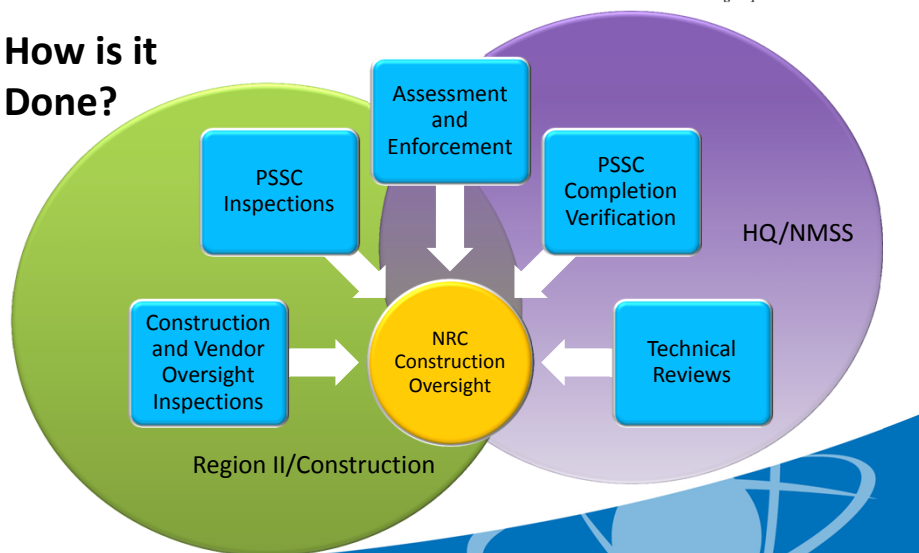
To provide assurance in the safety of future operations at new nuclear facilities by ensuring that licensees and applicants construct the facilities according to approved design criteria, using appropriate practices and quality materials.

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Roles and Responsibilities



How is it Done?



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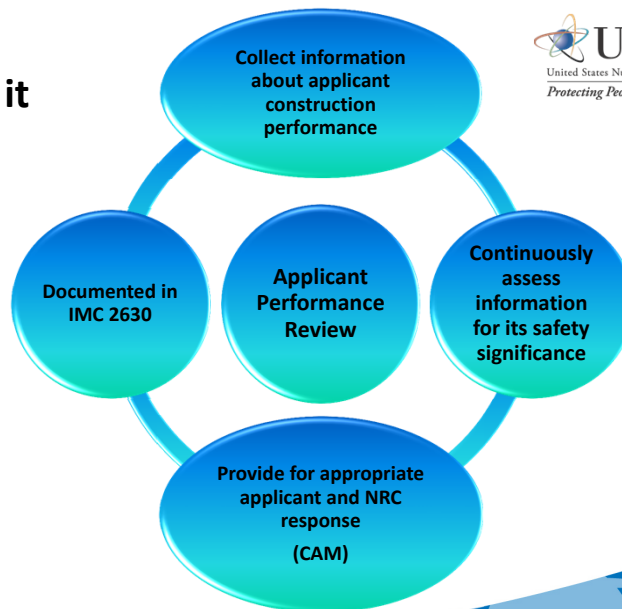
Purpose of APR



- Inform MOX Services and the public of the results of the applicant's performance during the previous calendar year
- Provide a basis for adjusting the focus of inspections at the Mixed Oxide Fuel Fabrication Facility

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How is it Done?



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Construction Action Matrix (IMC 2630, May 9, 2014)



Exhibit 1: Construction Action Matrix

		Column I	Column II	Column III	Column IV
RESULTS		Only Severity Level (SL) IV violations or non-cited violations	One or two SL III violations	Three SL III violations or one SL II violation, or a combination of the above	One SL I violation, multiple SL II violations, or a combination of the following: one SL II and a total of four or more SL III violations, or a total of seven or more SL III violations
		NRC requirements fully met	NRC requirements met with some challenges to applicant/licensee	NRC requirements met with some significant challenges to applicant/licensee (Degraded Performance)	Loss of confidence to construct within NRC requirements in areas of concern (Unacceptable Performance)
RESPONSE	Regulatory Performance Meeting	None	Branch Chief or Division Director meets with applicant/licensee	Deputy Regional Administrator for Construction (DRAC) or designee meets with senior applicant/licensee management	Regional Administrator (RA) or designee meet with senior applicant/licensee management
	Applicant/licensee Action	Applicant/licensee corrective actions	Applicant/licensee root cause evaluation and corrective action with NRC oversight	Applicant/licensee cumulative root cause evaluation with NRC oversight	Applicant/licensee Performance Improvement Plan and independent inspection with NRC oversight
	NRC Inspection	Routine Inspection program	Limited increase in NRC oversight of area(s) of concern	Expanded NRC oversight in area(s) of concern. Inspection sample increased as appropriate	Reactive team inspection in area(s) of concern
	Regulatory Actions	None Additional actions considered for sites exiting Column III or Column IV.	Additional inspection only. Additional actions considered for sites exiting Column III or Column IV.	Additional inspection only. (Additional actions considered for sites exiting Column IV.)	At minimum, issue confirmatory action letter. Evaluate need for Demand for Information and/or Order.
COMMUNICATION	Assessment Letters	If needed, Branch Chief or Division Director reviews/signs assessment report	Division Director reviews/signs assessment report	DRAC or designee reviews/signs assessment report	Regional Administrator reviews/signs assessment report
	Annual Public Meeting	Senior Project Inspector or Branch Chief meets with applicant/licensee	Branch Chief or Division Director discusses performance with applicant/licensee	DRAC or designee discusses performance with applicant/licensee	Regional Administrator or designee discusses performance with applicant/licensee
	Commission Involvement	None	None	None	Consider Commission meeting with senior applicant/licensee management
INCREASING SAFETY/REGULATORY SIGNIFICANCE →					

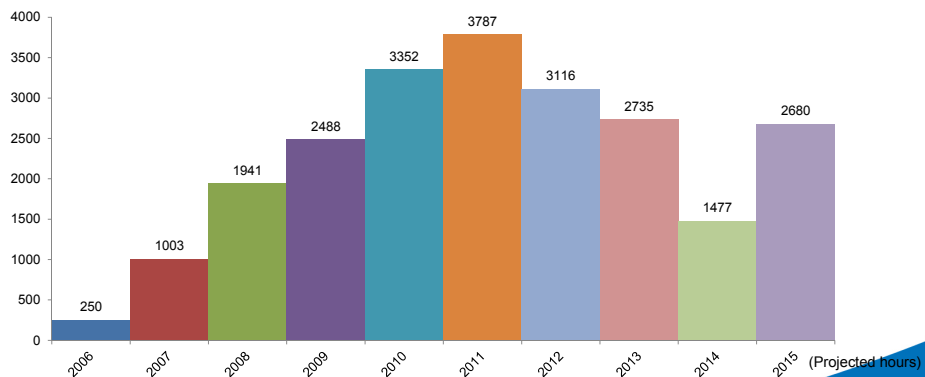
Issue Date: 05/09/14

Exh1-1

2630

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MFFF Inspection Effort per Calendar Year



APR Assessment Areas



- Quality Assurance Program
- Construction Oversight
- Pre-operational Oversight
- Operational Readiness Activities
- Other Areas

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Previous Applicant Performance Review (APR) Results



- During the previous performance review, the NRC concluded that facility performance was acceptable
 - No actual or potentially risk significant recurring items identified during the January 1, 2013 through December 31, 2013 assessment period
 - We conducted routine inspections of the principle systems, structures, and components consistent with IMC 2630, commensurate with on-going construction activities

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Current Applicant Performance Review

Assessment Period

January 1, 2014 – December 31, 2014



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2014 APR Results

- MFFF was being constructed in a manner that preserved public health and safety and was consistent with the Commission's rules and regulations and the conditions of CAMOX-001
- Our inspections indicated that the construction program was sufficiently implemented to support ongoing construction activities.

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2014 APR Results (continued)



- Because no actual or potentially risk significant recurring items were identified during this assessment period, the NRC determined the performance at the MFFF during 2014 was within Column 1 (licensee response) of the Construction Action Matrix (CAM)
- In 2015, NRC plans to conduct routine inspections of the principle systems, structures, and components consistent with IMC 2630 and commensurate with on-going activities at the MFFF

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2014 APR Assessment Areas



- Quality Assurance Program
- Construction Oversight
- Other Areas

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Quality Assurance Program

(Design and document control; control and inspection of materials, equipment and services; inspection, test control, and control of measuring and test equipment; problem identification, resolution, and corrective action)



- No specific performance issues were identified
- Performance warrants the routine inspection program
- Identified deficiencies will be addressed through MOX Services' corrective action program

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Construction Oversight

(Facility construction and maintenance of PSSCs, including engineering activities, supplier and vendor fabrication activities, and maintaining the validity of prior PSSC completion conclusions)



- No specific performance issues were identified
- Performance warrants the routine inspection program
- Identified deficiencies will be addressed through MOX Services' corrective action program

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Other Activities

(Licensing activities, licensing of new processes, licensing basis document submittals, and deviations from commitments)



- No specific performance issues were identified

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Summary



- Results
 - No actual or potentially risk significant recurring items were identified during this assessment period
- Response
 - MOX Services
 - Identified deficiencies will be addressed through MOX Services' corrective action program
 - NRC
 - Routine inspection program
 - No additional regulatory actions
- Communication
 - Assessment letter (March 12, 2015)
 - Public meeting

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Closing Remarks



- MOX Services Response
- Informal question and answer session between NRC and members of the public

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Acronyms



APR	Applicant Performance Review
CAM	Construction Action Matrix
CAMOX	MOX Construction Authorization
IMC	Inspection Manual Chapter
IROFS	Items Relied on for Safety
ISAS	Integrated Safety Analysis Summary
LA	License Application
MOX	Mixed Oxide
MFFF	MOX Fuel Fabrication Facility
MPQAP	MOX Project Quality Assurance Plan
NMSS	Office of Nuclear Material Safety and Safeguards
NRC	Nuclear Regulatory Commission
PARS	Publically Available Records System
PSSC	Principal Systems, Structures, and Components

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