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New Reactor Licensing

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NRR FUTURE LICENSING ACTIVITIES

- **READINESS ASSESSMENT**
- **EARLY SITE PERMITS**
- **CONSTRUCTION**
- **PRE-APPLICATION REVIEWS**
- **REGULATORY INFRASTRUCTURE**

FUTURE LICENSING AND INSPECTION READINESS ASSESSMENT

- Assess Postulated Scenarios, Review Durations, Resources
- Recommendations:
 - Staffing, Training, Contractor Support
 - Schedules
 - Rulemakings & Guidance Documents
- Complete Assessment September 2001

EARLY SITE PERMITS

- Early Site Permits (ESP)
 - Allows licensee to “bank” site for 10 - 20 years
- Regulations and Guidance
 - 10 CFR Part 52, Subpart A
 - Regulatory Guides, SRP, and Environmental SRP
- Current Schedule:
 - One ESP Application in 2002
 - Two ESP Applications in 2003
 - One ESP Application in 2004

CONSTRUCTION

- Construction Inspection Program Re-activation
 - Develop Guidance for Inspection of Critical Attributes
 - Initiate Development of Training for Inspection Staff

- Reactivation of Construction Permit (WNP-1)

PRE-APPLICATION REVIEWS

- AP-1000
 - Pre-Application Review Ongoing
 - Application for Design Certification Expected in 2002

- Pebble Bed Modular Reactor
 - Pre-Application Review Ongoing
 - Application for Early Site Permit Expected 2002
 - Application for Combined Operating License Expected 2003

- Gas Turbine - Modular Helium Reactor
 - Pre-application Expected to Begin September 2001

- International Reactor, Innovative and Secure
 - Pre-Application Expected to begin in 2002 or later

REGULATORY INFRASTRUCTURE

Current Activities:

- Rulemaking to Update 10 CFR Part 52
- Rulemaking on Alternative Site Reviews 10 CFR Parts 51 and 52
- Rulemaking on 10 CFR Part 51, Tables S3 and S4
- Financial-related regulations
- Proposed rulemaking website:

<http://ruleforum.llnl.gov>

Future Activities:

- NEI white paper for generic regulatory framework
- NRC approaches for new technologies

PROJECTED SCHEDULE

ID	Task Name	2001			2002			2003		
		Qtr 1	Qtr 3	Qtr 1	Qtr 3	Qtr 1	Qtr 3			
1	Future Licensing and Inspection Readiness Assessment									
2	Early Site Permit - 1st application									
3	Early Site Permit - 2nd and 3rd applications									
4	AP 1000 pre-application review - Phase 2									
5	AP 1000 design certification review									
6	PBMR pre-application review									
7	PBMR combined license application (without ESP)									
8	GT-MHR pre-application review									
9	IRIS pre-application review									
10	Regulatory Infrastructure									
11	Part 52 Rule									
12	Clarify/modify environmental related regulations									
13	Update regulatory and review guidance									
14	New Plant Regulatory Framework									
15	Review/clarify/modify financial related regulations									

NRC NEW REACTOR LICENSING WEBSITE

<http://www.nrc.gov/NRC/REACTOR/FLO/index.htm>

Path from www.nrc.gov:

- Nuclear Reactors
- What's New on this Page
- Future Reactor Licensing Activities