

Note for: Cynthia Quarterman
Keith Harper

From: Carol Borgstrom 

Subject: NEPA Documentation

Date: December 3, 2008

Attached, per your request, are two lists: (1) DOE environmental assessments (EAs) issued since 12/1/2006 and (2) DOE environmental impact statements (EISs) issued since 12/1/2006. Also, per your request, is a copy of a general NEPA briefing provided to the Acting Deputy Secretary in May 2008. Please let me know if you have any further questions (carol.borgstrom @hq.doe.gov; 202-586-4600).

cc: Ingrid Kolb, MA-1 (without attachments)
Janet Barsy, GC-1

EA Database Listing

Document Number	Title	Start Date	FONSI Date	Months Complete	Total NEPA Cost	Ops Office	Program Office
DOE/EA-1389	Charlie Creek-Williston Transmission Line Fiber Optic Overhead Ground Wire Installation Project, McKenzie and Williams Counties, North Dakota	3 /20/2001	2 /20/2008	83.2	\$345,236.21		WAPA
DOE/EA-1415	Proposed Conveyance of the American Museum of Science and Energy, Parcel G, and Parcel 279.01 to the City of Oak Ridge, Tennessee	10/23/2001	3 /26/2007	65.1	\$75,000.00	OR	SC
DOE/EA-1424	Havre-Rainbow Transmission Line Rebuild, Great Falls, Montana	12/12/2001	6 /15/2007	66.2	\$633,000.00		WAPA
DOE/EA-1442-R	Revised Environmental Assessment for the Proposed Construction and Operation of a BSL-3 Facility at Lawrence Livermore National Laboratory, Alameda County, California	12/7 /2006	1 /25/2008	13.6	\$25,000.00		NNSA
DOE/EA-1463	10 CFR 433, "Energy Efficiency Standards for New Federal Commercial and High-Rise Multi-Family Residential Buildings" and 10 CFR 435, "Energy Efficiency Standards for New Federal Residential Low-Rise Residential Buildings"	9 /19/2002	1 /11/2008	63.8	\$10,000.00		EE
DOE/EA-1502	Transport of Plutonium between the U.S. and a Foreign Country (Classified)	5 /14/2004	9 /23/2008	52.4			DP

Document Number	Title	Start Date	FONSI Date	Months Complete	Total NEPA Cost	Ops Office	Program Office
DOE/EA-1514	U.S. Department of Energy Conveyance of Parcel ED-6 to the City of Oak Ridge, Tennessee, Oak Ridge, Tennessee	11/4 /2004	5 /9 /2007	30.1	\$161,105.00	OR	SC
DOE/EA-1530	Proposed Energy Conservation Standards for Residential Furnaces and Boilers	2 /4 /2005	11/7 /2007	33.1	\$37,000.00		EE
DOE/EA-1534	Proposed Upgrade and Operation of the CEBAF and FEL Accelerators and Construction and Use of Buildings Associated with the 2005 Ten-Year Site Plan for the Thomas Jefferson National Accelerator Facility, Newport News, Virginia	4 /26/2005	1 /30/2007	21.2	\$100,000.00		SC
DOE/EA-1535	Uranium Leasing Program Programmatic Environmental Assessment, Colorado	5 /31/2005	7 /6 /2007	25.2	\$360,000.00	GJO	LM
DOE/EA-1541	Demolition of Building 51 and the Bevatron, Lawrence Berkeley National Laboratory, Berkeley, California	2 /16/2006	4 /3 /2008	25.6	\$215,000.00		SC
DOE/EA-1555	Consolidation and Expansion of Idaho National Laboratory Research and Development at a Science and Technology Campus, Idaho Falls, Idaho	1 /9 /2006	3 /13/2007	14.1	\$80,000.00	IDO	NE
DOE/EA-1557	National Security Test Range, Butte, Bingham, Bonneville, Clark, and Jefferson Counties, Idaho	2 /2 /2006	4 /12/2007	14.3	\$50,000.00	ID	

Document Number	Title	Start Date	FONSI Date	Months Complete	Total NEPA Cost	Ops Office	Program Office
DOE/EA-1562	Construction and Operation of a Physical Sciences Facility at the Pacific Northwest National Laboratory, Richland, Washington	2 /21/2006	1 /29/2007	11.2	\$507,000.00		SC
DOE/EA-1563	National Pollutant Discharge Elimination System Stormwater Compliance Alternatives at the Savannah River Site, South Carolina	2 /24/2006	6 /26/2007	16	\$77,000.00	SR	EM
DOE/EA-1565	Energy Conservation Standards for Distribution Transformers	11/1 /2000	11/9 /2007	84.3	\$15,000.00		EE
DOE/EA-1569	Proposed Environmental Remediation at the Lawrence Livermore National Laboratory Site 300 Pit 7 Complex, Livermore, California	3 /30/2006	1 /29/2007	10	\$98,000.00		NNSA
DOE/EA-1570	NUMI Off-Axis V Appearance (NOvA) Experiment at Fermi National Accelerator Laboratory (FNAL), Illinois and Ash River, Minnesota	7 /11/2006	6 /11/2008	23.1	\$300,000.00	CH	SC
DOE/EA-1571	Ohio State University 4-H Center with Green Building Technologies, Franklin County, Ohio	6 /9 /2006	12/28/2006	6.6	\$48,000.00	GO	EE
DOE/EA-1574	Uranium-233 Stabilization and Building 3019 Complex Shutdown at the Oak Ridge National Laboratory, Oak Ridge, Tennessee	9 /28/2006	3 /9 /2007	5.3	\$41,000.00	ORO	EM
DOE/EA-1575	Oak Ridge Science and Technology Project at the Oak Ridge National Laboratory, Oak Ridge, Tennessee	8 /17/2006	2 /20/2008	18.2	\$56,947.00	ORO	SC

Document Number	Title	Start Date	FONSI Date	Months Complete	Total NEPA Cost	Ops Office	Program Office
DOE/EA-1576	Olympic Peninsula Transmission Line Reinforcement Project, Clallam, Jefferson, Kitsap, Harbor, Mason, and Thurston Counties, Washington	10/3 /2006	3 /28/2008	17.8	\$130,000.00		BPA
DOE/EA-1579	Proposed Perched Groundwater Corrective Measure, Amarillo, Texas	5 /5 /2005	6 /19/2007	25.5	\$353,000.00		NNSA
DOE/EA-1583	Rocky Mountain Oilfield Testing Center/Naval Petroleum Reserve Number Three Site-wide Environmental Assessment, Wyoming	11/28/2006	10/1 /2008	22.1			FE
DOE/EA-1585	Proposed Decontamination and Demolition of Building 301 at Argonne National Laboratory, Chicago, Illinois	1 /26/2007	3 /27/2007	2	\$38,000.00	CH	SC
DOE/EA-1586	Interconnection Request for the Happy Jack Wind Project, Laramie County, Wyoming	2 /8 /2007	1 /2 /2008	10.8			WAPA
DOE/EA-1587	Northern Arizona Energy Project, Mohave County, Arizona	2 /27/2007	11/30/2007	9.1			WAPA
DOE/EA-1588	Sacramento Municipal Utility District 230 kV Folsom Dam Transmission Line Relocation Project	3 /19/2007	4 /4 /2007	0.5			WAPA
DOE/EA-1589	Contra Costa Canal Replacement Project, Contra Costa County, California	4 /2 /2007	7 /11/2007	3.3			WAPA
DOE/EA-1590	Wessington Springs Wind Project, South Dakota	4 /12/2007	4 /14/2008	12.1			WAPA
DOE/EA-1591	Palisades - Goshen Pole Replacement Project	4 /30/2007	5 /30/2008	13	\$302,207.00		BPA

Wednesday, December 03, 2008

Document Number	Title	Start Date	FONSI Date	Months Complete	Total NEPA Cost	Ops Office	Program Office
DOE/EA-1592	Modernization of Facilities and Infrastructure for the Non-Nuclear Production Activities Conducted at the Kansas City Plant at Kansas City, Missouri	5 /1 /2007	4 /21/2008	11.7	\$140,127.59		NNSA
DOE/EA-1593	Y-12 Steam Plant Life Extension Project-Steam Plant Replacement Subproject, Oak Ridge, Tennessee	3 /13/2007	9 /6 /2007	5.8	\$162,297.00		NNSA
DOE/EA-1595	Mead/Davis 230 kV Transmission Line Reconductor, Arizona and Nevada	8 /29/2005	11/5 /2007	26.2	\$56,910.00		WAPA
DOE/EA-1597	Construction and Operation of a Proposed Cellulosic Ethanol Plant, Range Fuels, Inc., Treutlen County, Georgia	7 /16/2007	10/18/2007	3.1	\$160,000.00	GO	EE
DOE/EA-1603	Expansion of Permitted Land and Operations at the 9940 Complex and Thunder Range at Sandia National Laboratories, Albuquerque, New Mexico	4 /12/2007	4 /17/2008	12.2	\$150,000.00		NNSA
DOE/EA-1605	Biomass Cogeneration and Heating Facilities at the Savannah River Site, South Carolina	9 /24/2007	8 /6 /2008	10.4			EM
DOE/EA-1609	Supplement to the Proposed Operations and Improvements at the National Renewable Energy Laboratory's South Table Mountain, Golden, Colorado	9 /12/2007	5 /15/2008	8.1	\$151,000.00	GO	
DOE/EA-1613	Proposed High Explosive Pressing Facility, Amarillo, Texas	4 /7 /2008	6 /11/2008	2.1	\$25,568.00		EM

Document Number	Title	Start Date	FONSI Date	Months Complete	Total NEPA Cost	Ops Office	Program Office
DOE/EA-1616	Power Systems Development Facility, Carbon Research Center Project, Southern Company Services, Wilsonville, Alabama	4 /7 /2008	9 /10/2008	5.1		NETL	FE
DOE/EA-1618	Oak Ridge National Laboratory Modernization Initiative, Tennessee	4 /18/2008	7 /28/2008	3.3		OR	EM
DOE/EA-1620	Chrysler/BP America: Burbank Hydrogen Fueling Station Project, CA	2 /20/2008	8 /11/2008	5.7	\$100,500.00		EE
DOE/EA-1621	Oregon Institue of Technology (OIT) Deep Geothermal Well and Power Plant Project, Klamath County, Oregon	4 /3 /2008	9 /23/2008	5.7	\$41,066.91	GO	EE
DOE/EA-1623	Groton Generation Station Unit II Project, South Dakota	6 /3 /2008	6 /20/2008	0.6			WAPA
DOE/EA-1628	Construction and Operation of a Proposed Lignocellulosic Biorefinery, POET Project LIBERTY, LLC., Emmetsburg, Iowa	6 /12/2008	9 /30/2008	3.6		GO	EE
DOE/EA-1637	Energy Conservation Program for Commercial and Industrial Equipment: Packaged Terminal Air Conditioner and Packaged Terminal Heat Pump Energy Conservation Standards	3 /13/2006	10/7 /2008	30.9			EE

EIS Search Results -03 Dec 2008

Search Criteria

Program Office:

FR Notice Type: Notice of Availability for the Final EIS

Start Date: 12/1/2006

EndDate: 12/3/2008

Number	Title	Prog Office	Ops Office	Federal Register Notices				EPA Rating	Total Cost	Months to Complete
				Notice	Date	Citation	Agency			
DOE/EIS-0399	Montana Alberta Tie, Ltd. (MATL) 230-kV Transmission Line, Great Falls, Montana	EDER		NOI	6 /7 /2007	72 FR 31569	DOE	EC-2		16
				NOA DEIS	2 /15/2008	73 FR 8869	EPA			
				NOA DEIS	2 /21/2008	73 FR 9559	DOE			
				Other	4 /11/2008	73 FR 19833	EPA			
				NOA FEIS	10/3 /2008	73 FR 57620	EPA			
				Other	11/7 /2008	73 FR 66242	EPA			
				ROD	11/17/2008	73 FR 67860	DOE			
DOE/EIS-0395	San Luis Rio Colorado Project, Yuma County, Arizona	WAPA		NOI	2 /10/2006	71 FR 7033	DOE	LO		18
				NOA DEIS	11/9 /2006	71 FR 65812	EPA			
				Other	2 /2 /2007	72 FR 5048	EPA			
				NOA FEIS	8 /3 /2007	72 FR 43271	EPA			
				Other	9 /14/2007	72 FR 52556	EPA			
				OTH 1022	10/12/2007	72 FR 58074	EPA			
				ROD	10/12/2007	72 FR 58074	EPA			
				ROD	8 /21/2008	73 FR 49447	DOE			

Number	Title	Prog Office	Ops Office	Federal Register Notices				EPA Rating	Total Cost	Months to Complete
				Notice	Date	Citation	Agency			
DOE/EIS-0394	FutureGen Project	FE	NETL	ADV NOI	2 /16/2006	71 FR 8283	DOE	EC-2	\$5,200,000.00	16
				NOI	7 /28/2006	71 FR 42840	DOE			
				Other	8 /4 /2006	71 FR 44275	DOE			
				NOA DEIS	6 /1 /2007	72 FR 30589	EPA			
				NOA DEIS	6 /1 /2007	72 FR 30572	DOE			
				Other	9 /28/2007	72 FR 55200	EPA			
				NOA FEIS	11/16/2007	72 FR 64618	EPA			
				Other	12/28/2007	72 FR 73799	EPA			
DOE/EIS-0389	Construction and Operation of the Trinity Public Utilities District Direct Interconnection Project, Trinity County, California	WAPA	1022	6 /19/2006	71 FR 35266	DOE	LO	\$982,000.00	17	
			NOI	6 /19/2006	71 FR 35266	DOE				
			NOA DEIS	2 /16/2007	72 FR 7652	EPA				
			Other	4 /13/2007	72 FR 18643	EPA				
			NOA FEIS	11/30/2007	72 FR 67723	EPA				
			Other	1 /11/2008	73 FR 2026	EPA				
			ROD	1 /29/2008	73 FR 5184	DOE				
DOE/EIS-0386	Designation of Energy Corridors on Federal Land in the 11 Western States	EDER	NOI	9 /28/2005	70 FR 56647	DOE	EC-2		38	
			NOA DEIS	11/16/2007	72 FR 64619	EPA				
			NOA DEIS	11/16/2007	72 FR 64591	DOE				
			Other	1 /16/2008	73 FR 2905	DOE				
			Other	4 /11/2008	73 FR 19833	EPA				
			NOA FEIS	11/28/2008	73 FR 72521	BLM				
			NOA FEIS	11/28/2008	73 FR 72477	EPA				

Number	Title	Prog Office	Ops Office	Federal Register Notices				EPA Rating	Total Cost	Months to Complete
				Notice	Date	Citation	Agency			
DOE/EIS-0383	Orlando Gasification Project, Orlando, Florida	FE	NETL	NOI	8 /11/2005	70 FR 46825	DOE	EC-1	\$1,378,000.00	16
				NOA DEIS	8 /24/2006	71 FR 50051	DOE			
				NOA DEIS	8 /25/2006	71 FR 50411	EPA			
				Other	10/27/2006	71 FR 63006	EPA			
				NOA FEIS	1 /26/2007	72 FR 3846	EPA			
				Other	3 /9 /2007	72 FR 10748	EPA			
				ROD	4 /6 /2007	72 FR 17143	DOE			
DOE/EIS-0380	Site-wide Environmental Impact Statement for Continued Operation of Los Alamos National Laboratory, Los Alamos, New Mexico	NNSA		NOI	1 /5 /2005	70 FR 807	DOE	LO	\$17,300,000.00	40
				NOA DEIS	7 /7 /2006	71 FR 38641	EPA			
				NOA DEIS	7 /7 /2006	71 FR 38638	DOE			
				Other	8 /31/2006	71 FR 51810	DOE			
				Other	9 /1 /2006	71 FR 52068	EPA			
				Other	10/6 /2006	71 FR 59104	EPA			
				NOA FEIS	5 /16/2008	73 FR	DOE			
				NOA FEIS	5 /16/2008	73 FR 28461	EPA			
				Other	7 /3 /2008	73 FR 38203	EPA			
				ROD	9 /26/2008	73 FR 55833	DOE			
				DOE/EIS-0379	Rebuild of the Libby (FEC) to Troy Section of Bonneville Power Administration's Libby to Bonner's Ferry 115 kV Transmission Line Project, Lincoln County, Montana	BPA				
NOA DEIS	7 /20/2007	72 FR 39808	EPA							
Other	9 /14/2007	72 FR 52556	EPA							
NOA FEIS	6 /6 /2008	73 FR 32331	EPA							
ROD	8 /1 /2008	73 FR 44979	DOE							

Number	Title	Prog Office	Ops Office	Federal Register Notices			EPA Rating	Total Cost	Months to Complete
				Notice	Date	Citation			
DOE/EIS-0378	Port Angeles-Juan de Fuca High Voltage Direct Current Transmission Project, Clallam County, Washington	BPA		NOI	5 /5 /2005	70 FR 23855	DOE	EC-2	31
				NOA DEIS	3 /9 /2007	72 FR 10749	EPA		
				Other	5 /4 /2007	72 FR 25301	EPA		
				NOA FEIS	10/12/2007	72 FR 58081	EPA		
				Other	11/9 /2007	72 FR 63578	EPA		
				ROD	6 /10/2008	73 FR 32686	DOE		
DOE/EIS-0376	White Wind Farm Project, Construct a Large Utility-Scale Wind-Powered Electric Energy Generating Facility, Brookings County, South Dakota	WAPA		NOI	2 /18/2005	70 FR 8359	DOE	LO	26
				NOA DEIS	8 /18/2006	71 FR 47809	EPA		
				Other	10/20/2006	71 FR 61966	EPA		
				NOA FEIS	4 /13/2007	72 FR 18644	EPA		
				Other	4 /27/2007	72 FR 21005	EPA		
				ROD	7 /10/2007	72 FR 37525	DOE		
DOE/EIS-0369	Final Environmental Impact Statement for a Rail Alignment for the Construction and Operation of a Railroad in Nevada to a Geologic Repository at Yucca Mountain, Nye County, Nevada	RW	YM	NOI	4 /8 /2004	69 FR 18565	DOE	EC-2	51
				Other	4 /26/2004	69 FR 22496	DOE		
				Other	12/28/2005	70 FR 76854	DOI		
				NOI	10/13/2006	71 FR 60484	DOE		
				Other	11/9 /2006	71 FR 65785	DOE		
				NOA DEIS	10/12/2007	72 FR 58081	EPA		
				NOA DEIS	10/12/2007	72 FR 58071	DOE		
				Other	2 /8 /2008	73 FR 7556	EPA		
				NOA FEIS	7 /11/2008	73 FR 39958	EPA		
				Other	7 /18/2008	73 FR 41351	EPA		
				Other	8 /29/2008	73 FR 50961	EPA		
				ROD	10/10/2008	73 FR 60247	DOE		

Number	Title	Prog Office	Ops Office	Federal Register Notices				EPA Rating	Total Cost	Months to Complete
				Notice	Date	Citation	Agency			
DOE/EIS-0361	Western Greenbrier Co-Production Demonstration Project, Greenbrier County, West Virginia	FE	NETL	NOI	6 /3 /2003	68 FR 33111	DOE	EC-2	\$1,960,213.00	53
				NOA DEIS	12/1 /2006	71 FR 69563	EPA			
				NOA DEIS	12/4 /2006	71 FR 70371	DOE			
				Other	2 /2 /2007	72 FR 5049	EPA			
				NOA FEIS	11/9 /2007	72 FR 63579	EPA			
				Other	1 /25/2008	73 FR 4560	EPA			
				ROD	4 /29/2008	73 FR 23214	DOE			
DOE/EIS-0357	Gilberton Coal-to-Clean Fuels and Power Project, Schuylkill County, Pennsylvania	FE	NETL	NOI	4 /10/2003	68 FR 17608	DOE	EC-2	\$1,180,972.39	55
				NOA DEIS	12/8 /2005	70 FR 73003	DOE			
				NOA DEIS	12/9 /2005	70 FR 73233	EPA			
				Other	3 /24/2006	71 FR 14892	EPA			
				Other	1 /12/2007	72 FR 1513	EPA			
				Other	1 /16/2007	72 FR 1710	DOE			
				NOA FEIS	11/2 /2007	72 FR 62229	EPA			
				Other	1 /25/2008	73 FR 4560	EPA			
DOE/EIS-0323-S1	Sacramento Area Voltage Support Project, Sacramento, Sutter, and Placer Counties, California	WAPA		NOI	5 /9 /2006	71 FR 26961	DOE	EC-2		22
				NOA DEIS	7 /13/2007	72 FR 38576	EPA			
				Other	9 /7 /2007	72 FR 51441	EPA			
				NOA FEIS	2 /15/2008	73 FR 8869	EPA			
				NOA FEIS	3 /28/2008	73 FR 16672	EPA			
				Other	4 /4 /2008	73 FR 18527	EPA			
				Other	5 /2 /2008	73 FR 24279	EPA			
ROD	5 /6 /2008	73 FR 24970	DOE							

Number	Title	Prog Office	Ops Office	Federal Register Notices			EPA Rating	Total Cost	Months to Complete
				Notice	Date	Citation			
DOE/EIS-0323-S1	Sacramento Area Voltage Support Project, Sacramento, Sutter, and Placer Counties, California	WAPA		NOI	5 /9 /2006	71 FR 26961	DOE	EC-2	22
				NOA DEIS	7 /13/2007	72 FR 38576	EPA		
				Other	9 /7 /2007	72 FR 51441	EPA		
				NOA FEIS	2 /15/2008	73 FR 8869	EPA		
				NOA FEIS	3 /28/2008	73 FR 16672	EPA		
				Other	4 /4 /2008	73 FR 18527	EPA		
				Other	5 /2 /2008	73 FR 24279	EPA		
				ROD	5 /6 /2008	73 FR 24970	DOE		
DOE/EIS-0250-S2	Final Supplemental EIS for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain, Nye County, Nevada - Nevada Rail Transporation Corridor	RW		Other	11/9 /2006	71 FR 65785	DOE	LO	51
				NOA DEIS	10/12/2007	72 FR 58071	DOE		
				NOA DEIS	10/12/2007	72 FR 58081	EPA		
				Other	2 /8 /2008	73 FR 7556	EPA		
				NOA FEIS	7 /11/2008	73 FR 39958	EPA		
				Other	7 /18/2008	73 FR 41351	EPA		
				Other	8 /29/2008	73 FR 50961	EPA		
				ROD	10/10/2008	73 FR 60247	DOE		
DOE/EIS-0250-S1	Supplemental Environmental Impact Statement for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste, Construction, Operation, Monitoring and Eventually Closing a Geologic Repository at Yucca Mountain, Nye County, Nevada	RW		NOI	10/13/2006	71 FR 60490	DOE	EC-2	21
				Other	11/9 /2006	71 FR 65786	DOE		
				NOA DEIS	10/12/2007	72 FR 58081	EPA		
				NOA DEIS	10/12/2007	72 FR 58071	DOE		
				Other	2 /8 /2008	73 FR 7556	EPA		
				NOA FEIS	7 /11/2008	73 FR 39958	EPA		
				Other	7 /18/2008	73 FR 41351	EPA		
				Other	8 /29/2008	73 FR 50961	EPA		

Number	Title	Prog Office	Ops Office	Federal Register Notices			Agency	EPA Rating	Total Cost	Months to Complete
				Notice	Date	Citation				
DOE/EIS-0236-S4	Complex Transformation Supplemental Programmatic Environmental Impact Statement	NNSA		NOI	10/19/2006	71 FR 61731	DOE	LO		24
				Other	10/24/2006	71 FR 62351	DOE			
				Other	11/20/2006	71 FR 67117	DOE			
				NOA DEIS	1 /11/2008	73 FR 2027	EPA			
				NOA DEIS	1 /11/2008	73 FR 2023	DOE			
				Other	3 /7 /2008	73 FR 12409	DOE			
				Other	4 /11/2008	73 FR 19829	DOE			
				Other	4 /25/2008	73 FR 22365	EPA			
				NOA FEIS	10/24/2008	73 FR 63460	DOE			
				NOA FEIS	10/24/2008	73 FR 63470	EPA			

Number of EISs in Recordset: 18

Average Cost of Recordset: \$4,171,598

Average Completion Time: 31 months

Number of EISs in Recordset with Cost Data: 7

Number of EISs in Recordset with Completion Times: 18

National Environmental Policy Act (NEPA) Compliance

*Briefing for Jeffrey Kupfer, Acting Deputy Secretary
May 2, 2008*



*Office of NEPA Policy and Compliance, GC-20
Carol Borgstrom, Director*

Outline

- A. Overview of the National Environmental Policy Act (NEPA)
- B. Basic NEPA Principles
- C. DOE NEPA Process
- D. Making Decisions under NEPA
- E. DOE NEPA Metrics
- F. Using NEPA to Accomplish DOE Missions

A. Overview of NEPA

- ❑ **Basic national charter for protection of the environment (enacted January 1, 1970)**
 - policy goals
 - encourage productive harmony between man and nature
 - promote efforts to prevent or eliminate damage to the environment
 - procedural requirements (environmental impact statements)
 - Federal agencies must take into account, and publicly disclose, the environmental consequences of proposed actions and alternatives
 - established Council on Environmental Quality

- ❑ **Purpose = Better Decisions**

A. Overview of NEPA (cont.)

- Applies “to the **fullest extent possible**”
- Proposed actions covered include:
 - **Programs** (GNEP, Complex Transformation)
 - **Projects** (Yucca Repository, SPR storage)
 - **Permits** (cross border transmission lines)
 - **Rulemakings** (energy efficiency standards)
 - **Financial Assistance** (grants, cooperative agreements, loan guarantees)

B. Basic NEPA Principles

❑ **Full disclosure/public participation**

- ❑ Better decisionmaking based on:
 - Understanding of alternatives and environmental impacts
 - Public input and scrutiny
 - Expert review and comment

❑ **Explore all reasonable alternatives**

- ❑ “Heart” of the NEPA process
- ❑ Rigorous, objective evaluation (QA/QC)
- ❑ Include No Action

B. Basic NEPA Principles (cont.)

- ❑ **Assess environmental impacts**
 - Level of analysis commensurate with significance of impacts/issue
 - “Reasonably foreseeable” impacts include low-probability, high-consequence accidents and terrorism
- ❑ **Consider mitigation**
 - Ways to reduce/avoid impacts
- ❑ **Weigh options/explain decisions**
 - Balance environmental/technical/cost and other considerations
 - Need not select environmentally “best” alternative

C. DOE NEPA Process

Framework

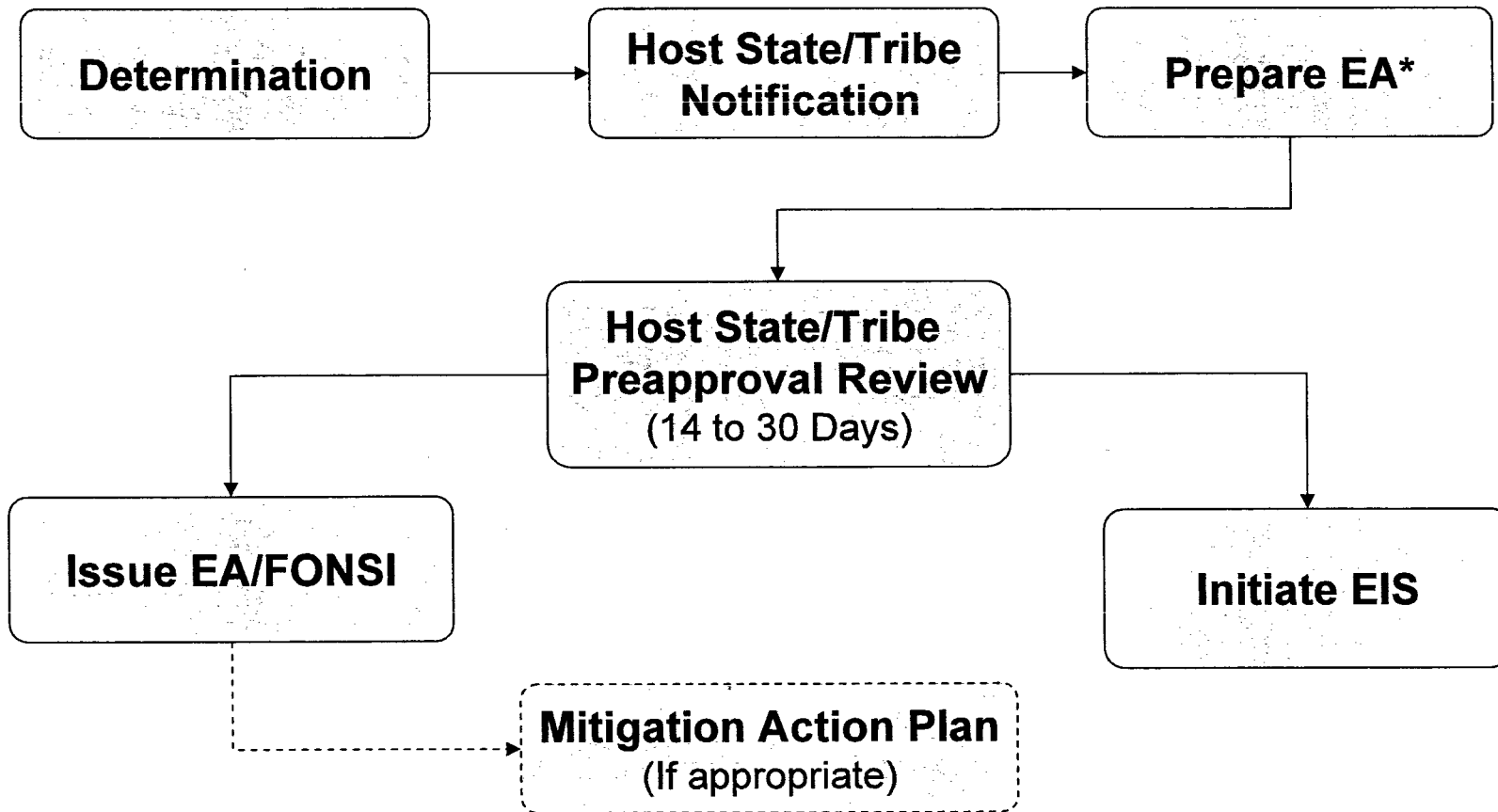
- ❑ Council on Environmental Quality Regulations (40 CFR 1500-1508)
- ❑ DOE NEPA Regulations (10 CFR Part 1021)
- ❑ DOE Order 451.1B, NEPA Compliance
- ❑ Substantial Case Law

C. DOE NEPA Process (cont.)

Three levels of NEPA review

- Categorical Exclusion (CX)
 - Classes of actions in DOE Regulations that do not individually or cumulatively have a significant effect
- Environmental Assessment (EA) – **brief analysis if need for EIS is unclear**
 - Finding of No Significant Impact (FONSI)
 - Decision to prepare an EIS
- Environmental Impact Statement (EIS) – **if environmental impacts may be significant**

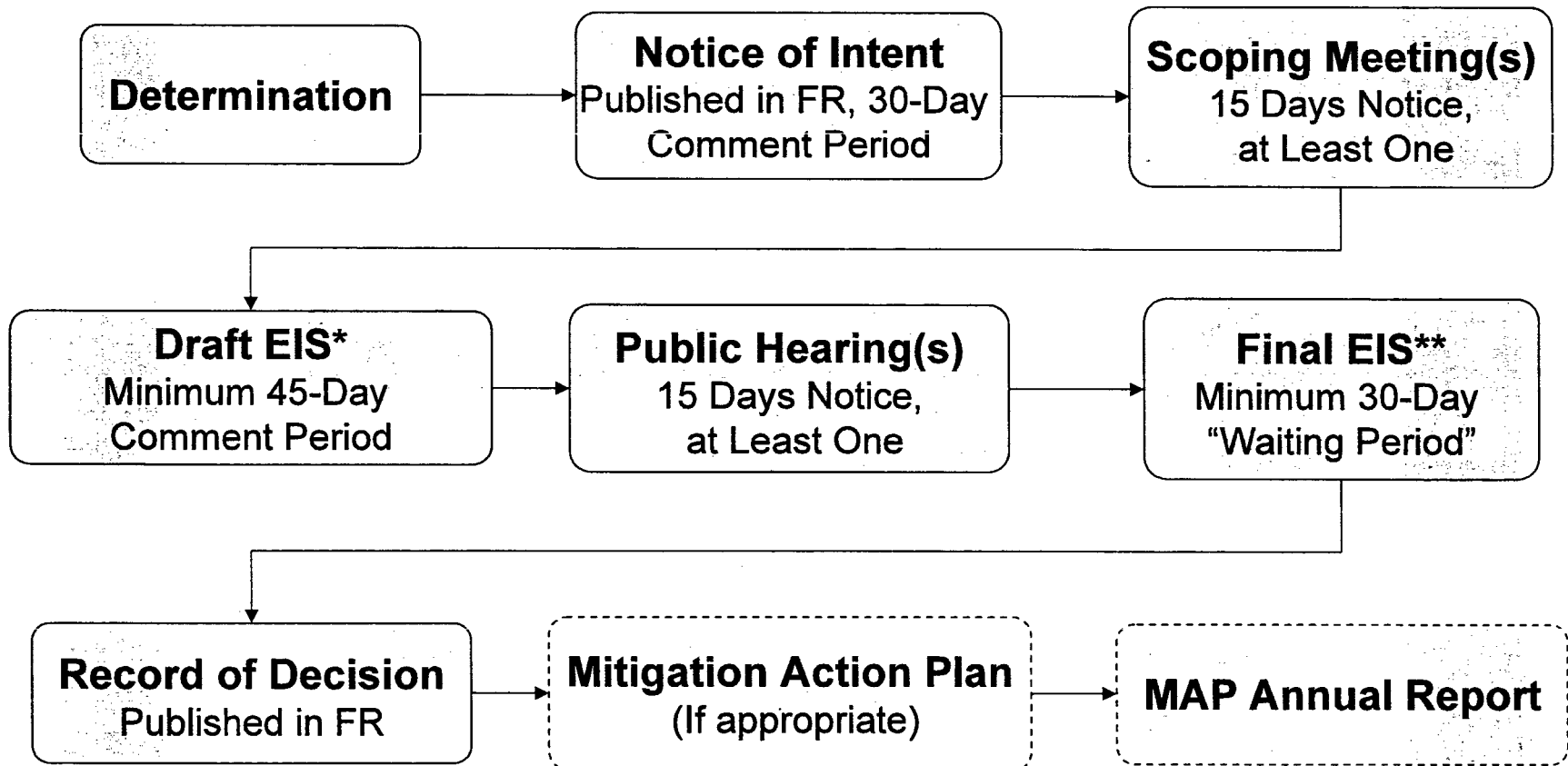
EA Process



EA = Environmental Assessment
FONSI = Finding of No Significant Impact
EIS = Environmental Impact Statement

* Involve public to the extent practicable

EIS Process



*Identify agency's preferred alternative, if one exists

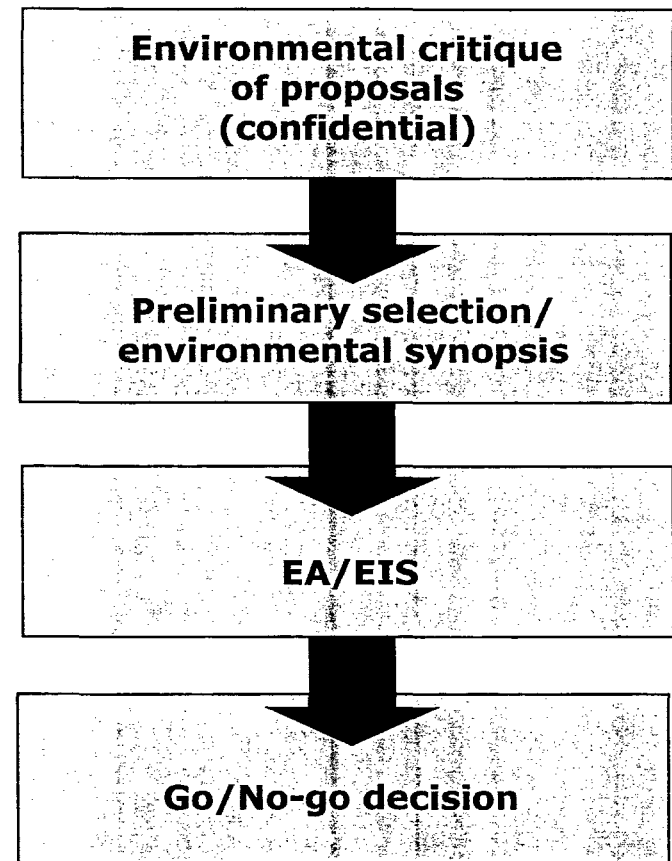
FR = Federal Register
EIS = Environmental Impact Statement

**Must identify agency's preferred alternative

C. DOE NEPA Process (cont.)

Procurement/Financial Assistance Projects

- DOE NEPA Regulations (§ 216) provide for a comparative environmental evaluation (**critique**) of qualified proposals, tailored to confidentiality requirements of the selection process.
- A publicly-available **synopsis** is issued when preliminary selections are made.
- A “normal” EA/EIS is then required for the selected proposal(s) before the go/no-go decision.



NEPA Approval Authorities*

Document Type	Approval Authority**	Other Program Roles
Notice of Intent to Prepare EIS	GC-1	PSO – request approval GC-20 – concur GC-51 – concur
Draft and Final EIS	GC-1	PSO – request approval GC-20 – recommend approval GC-51 – concur
Record of Decision for EIS	PSO	GC-20 – concur (for environmental content) GC-51 – concur GC-1 – concur
Supplement Analysis	PSO or Head of Field Organization	Headquarters or Field Counsel – concur
Environmental Assessment	PSO or Head of Field Organization	Headquarters or Field Counsel – concur
Categorical Exclusion Determination	NEPA Compliance Officers (program or field)	None required

Key

- GC-1:** Office of the General Counsel
- PSO:** Program Secretarial Officer
- GC-20:** Office of NEPA Policy and Compliance
- GC-51:** Assistant General Counsel for Environment

*Based on DOE Order 451.1B.

**NNSA-1, after consultation with GC-1, approves EISs that do not warrant S-1 attention.

C. DOE NEPA Process (cont.)

Planning/Implementation Tools

- ❑ **Annual NEPA Planning Summary**
- ❑ **Monthly NEPA Updates**
 - EA/EIS Status Chart
 - Key EIS Schedules
- ❑ **NEPA Compliance Officers**
 - NEPA expertise/policy within programs
- ❑ **NEPA Document Managers**
 - Direct preparation of, and independently evaluate, EAs and EISs
- ❑ **Management/Executive Councils**
 - Useful for large, complex EISs

C. DOE NEPA Process (cont.)

Available NEPA Guidance and Resources

- ❑ **NEPA Compliance Guide**
 - Regulatory requirements
 - Extensive guidance
- ❑ **Website** — www.eh.doe.gov/nepa
- ❑ **Lessons Learned Program**
 - Cost, time and effectiveness data
 - Case studies, mini-guidance, training opportunities
- ❑ **Corporate expertise/experience**
 - Office of NEPA Policy and Compliance (GC-20)
 - Assistant General Counsel for Environment (GC-51)

D. Making Decisions under NEPA

Record of Decision

- ❑ **A concise public record of the agency's decision (following an EIS) that addresses:**
 - alternatives considered
 - the environmentally preferable alternative(s)
 - factors balanced by the agency in making its decision, including economic, technical, and mission considerations
 - whether all practicable means to minimize environmental harm have been adopted (mitigation); if not, why not
- ❑ NEPA does not require agency to select the environmentally preferable alternative.
- ❑ If not selected, agency must explain why not in ROD.

D. Making Decisions under NEPA (cont.)

Mitigation

- ❑ **How:**
 - ❑ Avoid the impact altogether (e.g., pollution prevention)
 - ❑ Minimize impact
 - ❑ Rectify impact by repair, rehabilitation
 - ❑ Reduce or eliminate impact over time
 - ❑ Compensate for impact by replacement
- ❑ **Mitigation Action Plan for ROD commitments**
- ❑ **Annual Mitigation Monitoring Report**

E. DOE NEPA Metrics

EIS Costs and Schedules, 1998-2008

DOE EIS Costs and Schedules (69 EISs)

	Cost	Time
Average	\$4.1 million	28.9 months
Median	\$1.77 million	28 months
Range	\$56,000 (BPA) – \$44 million (Yucca)	9 months (WAPA) – 86 months (Yucca)

E. DOE NEPA Metrics (cont.)

EIS Costs and Schedules, 1998-2008

Programmatic EIS Costs and Schedules (7 PEISs)

	Cost	Time
Average	\$9 million	47.6 months
Median	\$4 million	39 months
Range	\$56,000 (BPA) – \$44 million (Yucca)	15 months (Nuclear Infrastructure) – 86 months (Yucca)

Project-Specific EIS Costs and Schedules (62 project-specific EISs)

	Cost	Time
Average	\$3.3 million	26.8 months
Median	\$1.7 million	25.5 months
Range	\$440,000 (BPA) – \$23.5 million (LANL SWEIS)	9 months (WAPA) – 76 months (Hanford Waste)

E. DOE NEPA Metrics (cont.)

EA Costs and Schedules, 1998-2008 (255 EAs)

	Cost	Time
Average	\$93,900	13.5 months
Median	\$64,000	9.1 months
Range	\$3,000 (BPA - Sturgeon Mitigation) – \$633,000 (WAPA - Havre-Rainbow)	0.2 months (FE - Low-NO _x Burner) – 84.3 months (EERE - Distribution Transformer)

Major Ongoing EIS Reviews

- ❑ Yucca Repository Final SEIS
- ❑ Yucca Rail Corridor/Alignment Final EISs
- ❑ GNEP Draft Programmatic EIS
- ❑ Complex Transformation Final Programmatic EIS

Other Priority NEPA Review Activities

OE

- ❑ West-Wide Corridors Final Programmatic EIS
- ❑ Eastern Corridors Programmatic EIS NOI
- ❑ Montana-Alberta Transmission Line Final EIS
- ❑ Baja Wind Energy Transmission Line

EERE

- ❑ Solar Programmatic EIS
- ❑ Energy Efficiency Rulemakings

EM

- ❑ Greater-Than-Class C Draft EIS
- ❑ Hanford Tank Closure and Waste Management Draft EIS
- ❑ West Valley Draft EIS
- ❑ Surplus Plutonium Disposition Draft Supplemental EIS
- ❑ Area IV (ETEC) NOI

FE

- ❑ FutureGen Restructured Environmental Critique/Synopsis
- ❑ Mesaba Clean Coal Final EIS
- ❑ Southern (Mississippi) Clean Coal EIS
- ❑ Strategic Petroleum Reserve Supplemental EIS

CFO/Loan Guarantee Office

- ❑ EAs/EISs for 16 Round 1 Projects
- ❑ NEPA Guidance for Upcoming Round 2 and 3 Solicitations

NE

- ❑ Excess Uranium Inventory Management EA
- ❑ Sale of Americium-241 EA

NNSA

- ❑ LANL BSL-3 EIS
- ❑ LANL Site-wide EIS ROD
- ❑ NTS Supplement Analysis

F. Using NEPA to Accomplish DOE Missions

- ❑ NEPA is a planning and decisionmaking tool, not just another hurdle.
- ❑ DOE has an excellent NEPA track record.
- ❑ We get into trouble when we start late and try to cut corners. Litigation is costly and time-consuming.
- ❑ NEPA compliance builds credibility, fosters consensus, and enables DOE to accomplish its mission.

F. Using NEPA to Accomplish DOE Missions (cont.)

Conclusion

□ Good NEPA Compliance = Better DOE Decisions

- Los Alamos Site-wide EIS – anticipated wildfire, reduced impacts
- Safe Interim Storage of Hanford Tank Waste EIS – saved \$400 million
- New Production Reactor EIS – Admiral Watkins: “Thank God for NEPA”