



Department of Energy  
Washington, DC 20585

**February 6, 2003**

**MEMORANDUM**

TO: BEVERLY COOK  
ASSISTANT SECRETARY  
ENVIRONMENT, SAFETY AND HEALTH

FROM: CARL MICHAEL SMITH  
ASSISTANT SECRETARY, OFFICE OF FOSSIL ENERGY

SUBJECT: ANNUAL NEPA PLANNING SUMMARY

In response to your memorandum of December 18, 2002, following is consolidated annual National Environmental Policy Act (NEPA) planning information for the Office of Fossil Energy.

Deputy Assistant Secretary for Coal and Power Systems (FE-201)

See Attachment 1.

Deputy Assistant Secretary for Natural Gas and Petroleum Technology (FE-301)

Nothing to report.

Deputy Assistant Secretary for Petroleum Reserves (FE-401)

See Attachment 2.

National Energy Technology Laboratory (NETL)

See Attachment 3.

Our point of contact on this matter is Donald Silawsky. He can be reached on 202-586-1982.

Attachments



11/11/11

11/11/11

# ANNUAL NEPA PLANNING SUMMARY

## OFFICE OF COAL AND POWER SYSTEMS (FE-20)

1. Ongoing NEPA Compliance Activities
  - a) Environmental Impact Statement (EIS) for an international transmission line project from Arizona to Mexico proposed by Public Service Company of New Mexico.
  - b) EIS for an international transmission line project from Arizona to Mexico proposed by Tucson Electric Power.
2. Environmental Assessments Expected to be Prepared in the Next 12 Months
  - a) Proposed cogeneration plant in northwest Washington State with a short (1/2-mile) transmission line into Canada proposed by Sumas.
  - b) Proposed transmission line from Texas to Mexico.
3. EISs Expected to be Prepared in the Next 24 Months
  - a) Proposed transmission line from a new power plant in Mexico south of Yuma, AZ. The Western Area Power Administration (WAPA) may have the NEPA lead for this project.
4. Planned Cost and Schedule for Each NEPA Review Identified

Items 1a and 1b (ongoing EISs): drafts completed by May 2003; final EISs completed by the Fall of 2003.

Item 2a (Sumas EA): Completed by the 4th quarter of 2003.

Item 2b: Schedule To Be Determined (TBD).

No cost information for any of the above NEPA documents is available, as in almost all cases they are either prepared by the applicants or by contractors paid by the applicants.



United States Government

Department of Energy

# memorandum

DATE: January 27; 2003

REPLY TO: 03-ESH-004  
ATTN OF: FE-4441(KBatiste)

SUBJECT: STRATEGIC PETROLEUM RESERVE (SPR) 2003 ANNUAL NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) SUMMARY

TO: Donald Silawsky, NEPA Compliance Officer, FE-47  
THRU: Richard D. Furiga, Deputy Assistant Secretary for Petroleum Reserves, FE-40

As requested by direction of **Department** of Energy O 45 1.1B Order, listed below is the SPR Project Management Office, Year 2003 Annual NEPA Planning Summary. As requested in the e-mail from Donald Silawsky, FE-47, dated December 10, 2003, the SPR is forwarding the NEPA Planning Summary to you for compilation into a single submission to Environmental, Safety and Health (EH-1) from Fossil Energy.

1. Status of **ongoing** NEPA compliance activities: All SPR actions are reviewed for NEPA Compliance with 10 Code of Federal Regulations 1021, NEPA Implementing Procedures and Guidelines. There are no known SPR actions noncompliant with NEPA. There are no NEPA-related mitigation action plans being implemented during 2003.
2. There are no Environmental Assessments (EA) planned for the next 12 months.
3. There are no Environmental Impact Statements (EIS) planned for the next 24 months.
4. There are no EAs or EISs planned, therefore no planned cost.
5. Public review will be available through the DynMcDermott Petroleum Operations Company, Management and Operating contractor Public Affairs Office.

Please contact Katherine Batiste, (504) 734-4400, if you have any questions.



William C. Gibson, Jr.  
Project Manager  
Strategic Petroleum Reserve





U. S. Department of Energy

National Energy Technology Laboratory



January 30, 2003

MEMORANDUM FOR BEVERLY A. COOK  
ASSISTANT SECRETARY FOR ENVIRONMENT, SAFETY  
AND HEALTH

FROM: /original signed by/  
RITA A. BAJU-RA  
DIRECTOR, NATIONAL ENERGY TECHNOLOGY  
LABORATORY

SUBJECT: Annual National Environmental Policy Act (NEPA) Planning  
Summary

Attached is the Annual NEPA Planning Summary for the National Energy Technology Laboratory (NETL), which includes actions anticipated by the NETL offices at Morgantown (WV) and Pittsburgh (PA) and at the National Petroleum Technology Office (NPTO) in Tulsa, OK. The Summary provides action descriptions, status information and projected NEPA schedules, and estimated costs for five Environmental Assessment (EA) and three Environmental Impact Statement (EIS) documents previously started or anticipated to be prepared over the next 12-24 months.

During calendar year 2002, the following NEPA documents were completed:

- DOE/EA- 1402 Port of Tillamook Bay Dairy Digester Project
- DOE/EA-1416 Northwest Fuel Development Coal Mine Waste Methane Utilization
- DOE/EA-1417 ICRC/Syntroleum Corporation Gas-to-Liquids Fuels Production
- DOE/EA-1418 Otter Tail Power Company Advanced Hybrid Particulate Collector
- DOE/EA- 1444 Construction of New Administration Facilities at NETL
- DOE/EA-1445 Construction of a Child Care Facility at NETL
- DOE/EA-1449 Universal Aggregates Manufactured Aggregates Processing
- DOE/EIS-03 18 Kentucky Pioneer Energy IGCC

The following projects, for which NEPA actions were previously started and reported in prior NEPA Planning Summaries, have been canceled:

- . DOE/EA-1419 Alliant Energy
- . DOE/EA-1337 Calderon Energy

During January 2003, DOE announced plans to enter negotiations for the following eight proposals submitted in response to a competitive solicitation (the “Clean Coal Power Initiative”):

- City of Colorado Springs      Next Generation CFB Coal Generating Unit
- Great River Energy              Lignite Fuel Enhancement
- Louisville Gas & Electric      Commercial Demonstration of the Airborne Process
- NeuCo, Inc.                          Demonstration of Integrated Optimization Software
- University of Kentucky          Multi-Product Coal Utilization By-Product Processing
- WMPI                                  Gilberton Coal-to-Clean Fuels and Power Project
- Western Greenbrier Co-Gen      Co-Production Demonstration Project
- Wisconsin Electric Power      TOXECON Retrofit for Mercury & Multi-Pollutant Control

Planning for negotiations leading to cooperative agreements for these proposals will be conducted over the next several weeks. These planning activities will provide information needed to confirm NEPA requirements and project schedules for NEPA activities. Based on environmental considerations during the proposal evaluation process, three of the proposed projects may require performance of EIS reviews. Following completion of our planning, the anticipated NEPA requirements and schedules will be forwarded to the Office of NEPA Policy and Compliance.

If, during the course of this year, additional EA or EIS work is determined to be necessary, an addendum to this Summary will be submitted. Please contact **NETL’s** NEPA Compliance Officer, Lloyd Lorenzi, at 412-386-6 159 for additional information or explanation regarding the attached Summary.

Attachment

cc:                      **EH&S** Records Center (DOE 45 1.1)

e-mail cc:          M. Smith, DOE-HQ  
                          C. **Zamuda**, DOE-HQ  
                          D. Silawsky, DOE-HQ  
                          P. **Hamill**, DOE-HQ  
                          E. Cohen, DOE-HQ  
                          D. Freeman, DOE-HQ  
                          G. Walker, NPTO

ANNUAL NATIONAL ENVIRONMENTAL POLICY ACT PLANNING SUMMARY  
National Energy Technology Laboratory  
January 31, 2003

ENVIRONMENTAL IMPACT STATEMENTS

Low Emission Boiler System Proof-of-Concept Project (DOE/EIS-0284)

The proposed action is DOE funding up to 50% of the total cost for development of coal-fired Low Emission Boiler System technology at the proof-of-concept scale. The proposed project would involve construction and operation of a new 91 MWe electric generating facility at Elkhart, IL. The facility would be a coal-burning, mine-mouth power plant, with coal supply provided from a portion of the mine produced at the adjacent Turris Mine. A slagging furnace with low nitrogen oxide burners, staged combustion, and coal reburning would be used to achieve low emissions of nitrogen oxides. The proposed facility would include a low-temperature heat recovery system, a baghouse for particulate removal, a scrubber for removing sulfur oxides, and supporting auxiliary systems.

NEPA Schedule (completed milestones are shown in italics):

<i>Determination:</i>	<i>September 5, 1996</i>
<i>Notification:</i>	<i>September 5, 1996</i>
<i>Internal Scoping:</i>	<i>October - November 1996</i>
<i>Notice of Intent Issued:</i>	<i>December 13, 1996</i>
<i>Federal Register Announcement:</i>	<i>December 19, 1996</i>
<i>Public Meetings:</i>	<i>January 15, 1997; January 16, 1997</i>
<i>Close Scoping Period:</i>	<i>February 3, 1997</i>
<i>Preliminary Draft EIS (1<sup>st</sup> version):</i>	<i>January 15, 2002</i>
<i>Preliminary Draft EIS (2<sup>nd</sup> version):</i>	<i>January 7, 2003</i>
Draft EIS:	March 2003
Public Distribution:	April 2003
Public Hearing:	June 2003
Preliminary Final EIS :	August 2003
Final EIS:	October 2003
Draft Record of Decision:	November 2003
Approved Record of Decision:	December 2003

Estimated Cost: \$400,000

Clean Power from Integrated Coal/Ore Reduction (CPICOR) (DOE/EIS-0280)

The proposed action is DOE participation, through financial assistance, in a cooperative agreement under the Clean Coal Technology demonstration program for design, construction, and operation of a demonstration plant that integrates the production of molten iron for steel making with the production of electricity for utility distribution. The demonstration project, proposed for location at Geneva Steel Company's existing steel plant at Vineyard, UT, would produce approximately 3,300 tons per day of hot metal and up to 160 megawatts of electricity. The proposed facility would produce molten iron by the continuous and concurrent reaction of raw coal and raw iron ores in a high-temperature smelter. A high-temperature, low-energy-

**ANNUAL NATIONAL ENVIRONMENTAL POLICY ACT PLANNING SUMMARY**  
**National Energy Technology Laboratory**  
**January 31, 2003**

content by-product gas would be cornbusted to raise steam for both plant use and electricity generation. The proposed facility would include a wet scrubber gas cleaning system to remove particulate matter, an air separation unit to provide oxygen for the smelter, a heat recovery steam generator, a steam turbine generator, and supporting auxiliary systems.

NEPA Schedule (completed milestones are shown in italics):

<i>Determination:</i>	<i>December 27, 1996</i>
<i>Notification:</i>	<i>December 27, 1996</i>
<i>Internal Scoping:</i>	<i>February 12, 1997</i>
<i>Notice of Intent Issued:</i>	<i>June 22, 1999</i>
<i>Federal Register Announcement:</i>	<i>June 28, 1999</i>
<i>Public Meeting:</i>	<i>July 15, 1999</i>
<i>Close Scoping Period:</i>	<i>August 16, 1999</i>

[NEPA activity is on hold pending resolution of technical/financial issues]

Estimated Cost: \$ 750,000

**Lakeland McIntosh Unit 4 Demonstration Project (DOE/EIS-0282)**

The proposed action is DOE participation, through financial assistance, in a cooperative agreement under the Clean Coal Technology demonstration program for design, construction, and operation of a demonstration plant for Pressurized Circulating Fluidized Bed coal combustion technology. The demonstration project, proposed for location at the City of Lakeland's C.D. McIntosh Power Plant at Lakeland, FL, would produce 238 megawatts of electricity.

NEPA Schedule (completed milestones are shown in italics):

<i>Determination:</i>	<i>March 18, 1997</i>
<i>Notification:</i>	<i>March 18, 1997</i>
<i>Internal Scoping:</i>	<i>March 1997 - February 1999</i>
<i>Notice of Intent Issued:</i>	<i>March 22, 1999</i>
<i>Federal Register Announcement:</i>	<i>March 26, 1999</i>
<i>Public Meeting:</i>	<i>April 13, 1999</i>
<i>Close Scoping Period:</i>	<i>May 21, 1999</i>

[NEPA activity is on hold pending resolution of technical/financial issues]

Estimated Cost: \$490,000

ANNUAL NATIONAL ENVIRONMENTAL POLICY ACT PLANNING SUMMARY  
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ENVIRONMENTAL ASSESSMENTS

Co-Utilization of Coal with E-Fuel from the SlurryCarb Process (DOE/EA-1309)

The proposed action is for DOE to participate in a cooperative agreement for testing combustion of coal with products from the SlurryCarb process, which converts sewage sludge and other organic wastes to hydrocarbon fuels. Under the agreement, a SlurryCarb facility would be constructed at a sewage sludge processing plant in South Keamy, NJ. This facility would produce hydrocarbon fuel that would be transported for combustion tests with coal in existing coal-fired boilers.

NEPA Schedule (completed milestones are shown in italics):

<i>Determination:</i>	<i>June 17, 1999</i>
<i>Notification:</i>	<i>June 17, 1999</i>
<i>Internal Scoping:</i>	<i>June 1999 - February 2000</i>
<i>Draft EA:</i>	<i>June 2000</i>
<i>Public Participation:</i>	<i>June 8 -July 6, 2001</i>

[NEPA activity is on hold pending resolution of financial issues]

Estimated Cost: \$45,000

Consol Enhanced Coal Bed Methane (DOE/EA-1420)

The proposed action is for DOE to participate in a cooperative agreement for a project to evaluate the effectiveness and economics of methane recovery from an unmineable coal seam with subsequent sequestration of carbon dioxide. The proposed project would involve directional drilling from three surface locations in Marshall County, WV, into two underground coal seams. Facilities would be installed at one of the surface locations for collection and treatment of the recovered gas to produce pipeline-quality product. Purchased carbon dioxide would be used for the sequestration tests. Upon completion of gas recovery and sequestered carbon dioxide monitoring, all facilities would be removed, the well holes would be plugged and capped, and the land surface would be reclaimed for use.

NEPA Schedule (completed milestones are shown in italics):

<i>Determination:</i>	<i>November 28, 2001</i>
<i>Notification:</i>	<i>December 4, 2001</i>
<i>Internal Scoping:</i>	<i>December 2001 -January 2002</i>
<i>Draft EA:</i>	<i>December 2002</i>
<i>Public Participation:</i>	<i>December 2002 -January 2003</i>
<i>Final EA:</i>	<i>February 2003</i>
<i>FONSI or EIS Determination:</i>	<i>March 2003</i>

Estimated Cost: \$ 30,000

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**National Energy Technology Laboratory**  
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A.D. Little (now TIAX LLC) (DOE/EA-1421)

The proposed action is for DOE to participate in a cooperative agreement for testing a hybrid control system, comprising natural gas reburning, selective non-catalytic reduction, and selective catalytic reduction, to reduce nitrogen oxide emissions. The action was originally proposed for Orion Power Company's Avon Lake Power Plant Unit 9 near Cleveland, OH; however, Orion Power withdrew their site from consideration for the project, and another site is being pursued. NEPA activities are on hold pending identification of a new site for the project.

Estimated Cost: \$60,000

Consol Energy (DOE/EA-)

The proposed action is for DOE to participate in a cooperative agreement to demonstrate a multi-pollutant control system for reducing nitrogen and sulfur oxides, mercury, acid gases, and fine particulate at the AES **Greenrige** Power Plant near Dresden, NY. The system would include catalytic reduction technology, low NO, burners using coal and biomass, and a flue gas scrubber.

NEPA Schedule (completed milestones are shown in italics):

Determination:	February 2003
Notification:	March 2003
Internal Scoping:	February – April 2003
Draft EA:	May 2003
Public Participation:	June 2003
Final EA:	August 2003
FONSI or EIS Determination:	September 2003

Estimated Cost: \$ 125,000

Sunflower Electric Power Corporation (DOE/EA-)

The proposed action is for DOE to participate in a cooperative agreement to demonstrate ultra low-NO, burners with other combustion controls in a power plant burning subbituminous coal at Garden City, KS.

NEPA Schedule (completed milestones are shown in italics):

Determination:	February 2003
Notification:	February 2003
Internal Scoping:	December 2002 – January 2003
Draft EA:	March 2003
Public Participation:	February – April 2003
Final EA:	May 2003
FONSI or EIS Determination:	June 2003

Estimated Cost: \$ 100,000