



**Department of Energy**  
Washington, DC 20585

February 4, 2013

**MEMORANDUM**

**TO:** GREGORY H. WOODS  
GENERAL COUNSEL

**FROM:** CHRISTOPHER A. SMITH   
ACTING ASSISTANT SECRETARY FOR FOSSIL ENERGY

**SUBJECT:** Annual National Environmental Policy Act (NEPA) Planning Summaries for 2013

**ISSUE:** DOE Order 451.1B, Section 4.d, requires that an annual planning summary be prepared that briefly describes: (1) any Environmental Assessments (EAs) ongoing or expected to be prepared in the next 12 months; (2) any Environmental Impact Statements (EISs) ongoing or expected to be prepared in the next 24 months; and (3) any Mitigation Action Plan activities.

Attached are the 2013 Annual NEPA Planning Summaries for the Office of Fossil Energy (FE). These summaries include information for the Strategic Petroleum Reserve (SPR), National Energy Technology Laboratory (NETL), and Rocky Mountain Oilfield Testing Center (RMOTC).

If you have any questions regarding this matter, please feel free to contact Mark J. Matarrese, Director, Office of Environment, Security, Safety and Health, FE-7, at (202) 586-0491.

**ATTACHMENTS:**

SPR 2013 NEPA Planning Summary  
RMOTC 2013 NEPA Planning Summary  
NETL 2013 NEPA Planning Summary

**cc:**  
M. Matarrese, FE-7  
C. Borgstrom, GC-54





**NATIONAL ENERGY TECHNOLOGY LABORATORY**  
Albany, OR • Morgantown, WV • Pittsburgh, PA



January 15, 2013

MEMORANDUM FOR MARK J. MATARRESE  
DIRECTOR, OFFICE OF ENVIRONMENT, SECURITY, SAFETY  
AND HEALTH

FROM: CLIFF WHYTE *CSW*  
DIRECTOR, ENVIRONMENTAL COMPLIANCE DIVISION

SUBJECT: Annual National Environmental Policy Act Planning Summary for 2013

The attached documents comprise the 2013 Annual National Environmental Policy Act (NEPA) Planning Summary for the National Energy Technology Laboratory (NETL). The information is provided following the guidance available on the DOE NEPA web site at <http://energy.gov/node/2323>.

As required by Order 451.1B, the Annual NEPA Planning Summary will be made available to the public. Please contact me for any additional information regarding NETL's NEPA plans.

Attachments

Distribution:

A. Cugini – NETL  
B. Tomer – NETL  
R. Reuther – NETL  
P. Detwiler – NETL  
J. Ward – HQ/FE-7

**Site-Wide NEPA Review**  
*National Energy Technology Laboratory*

The National Energy Technology Laboratory (NETL) evaluated the need for and value of preparing a site-wide environmental impact statement or environmental assessment for its six sites: Morgantown, WV; Pittsburgh, PA; Albany, OR; Anchorage and Fairbanks, AK; and Sugar Land, TX. Based on this evaluation using the criteria identified below, NETL determined that a site-wide National Environmental Policy Act (NEPA) analysis for these sites is not necessary and would not facilitate identification or consideration of potential environmental impacts regarding NETL's activities at these locations.

Background

NETL is the only U. S. Department of Energy (DOE) national lab dedicated to achieving the nation's strategic goals regarding fossil energy research and development. It also provides significant NEPA and other programmatic support to the Office of Energy Efficiency and Renewable Energy and the Office of Electricity Delivery and Energy Reliability. NETL's six sites are located in Morgantown, WV; Pittsburgh, PA; Albany, OR; Anchorage and Fairbanks, AK; and Sugar Land, TX. The Morgantown and Pittsburgh facilities are 65 miles apart and cover 136.9 and 61.4 acres, respectively. These two sites currently have a total of 80 permanent or temporary buildings and over 800,000 gross square feet of building area. The Albany site has 39 buildings (approximately 230,000 square feet of total space) on a 43 acre facility. The Anchorage, Fairbanks and Sugar Land facilities are involved primarily in technical program management functions and are housed in leased office space. In total, these sites have 119 government-owned buildings and trailers providing 1.05 million gross square feet of space. The average age of active NETL buildings is 41 years. The replacement plant value of the facilities is \$465 million.

NETL's activities at its sites include procurement, project management, analysis, and contract monitoring of off-site research and development (R&D) projects; and conducting R&D and supporting administrative functions. On-site research is conducted at NETL's Morgantown, Pittsburgh, and Albany sites. NETL's Fairbanks site operates from University of Alaska offices and conducts no on-site research.

All projects and activities—whether conducted by NETL or funded by the laboratory through various forms of financial assistance—are subject to NEPA review and evaluation prior to a decision on whether to undertake the project. With rare exceptions involving on-site construction activities, the projects conducted by NETL at its facilities typically qualify for one or more categorical exclusions under DOE's NEPA regulations.

NETL's ongoing operational research and maintenance activities at its sites consist of small projects that vary in type but generally not in size or scale. New projects implemented at NETL typically fall into categories of actions that DOE has determined are within classes that do not individually or cumulatively have a significant impact on the environment. For the foreseeable future, this situation is expected to continue.

As part of NETL's Environmental Management System (EMS), which is certified under ISO 14001:2004, research and maintenance activities at the Morgantown, Pittsburgh, and Albany sites are scored with respect to environmental aspects and potential impacts. These scores are used to set environmental performance objectives for the site, which are tracked through individual environmental action plans. NETL's EMS is audited periodically to ensure on-going conformance with stated objectives and with the ISO standard.

In addition to internal and external audits conducted pursuant to ISO 14001, the totality of all research and maintenance at the Morgantown, Pittsburgh, and Albany sites is periodically examined as part of planning and performance analysis processes. In these evaluations, the collective environmental consequences of activities at each site have been determined to be insignificant. Further, NETL does not maintain any permanent storage or disposal areas on these sites that could potentially become sources of significant impacts.

### Efficiency

NETL's intramural research activities, as determined on an annual basis, are typically covered by categorical exclusions (CXs) listed in Appendices A and B of 10 CFR Part 1021 and can be efficiently evaluated individually and collectively without reliance on a site-wide review. Owing to their smaller scope and limited impacts, these on-site research activities are excluded from the more detailed reviews required under Appendices C and D of Part 1021.

### Tiering

A site-wide NEPA document would not preclude the need for annual reviews of the scope and nature of individual research and other projects at NETL's sites. Due to the relatively small scale and variety of on-site activities, supplemental reviews of activities that typically qualify for a CX would not result in a less complex analysis.

### Segmentation and Cumulative Effects

Research projects at NETL typically consist of distinct experimental activities of a nature determined by DOE to be categorically excluded from environmental assessment or environmental impact statement reviews. These activities are independently evaluated on an annual basis to ensure that they are stand-alone activities and not segments of larger activities that would trigger a more extensive level of review. In addition, no local off-site environmental stresses or developments of a significant nature result from NETL's on-site research activities. Thus, no conditions exist where cumulative environmental effects or impacts could become a concern.

### Land Use Planning

Activities at the Pittsburgh site occur at the 239 acre Bruceton Research Center; a Federal research site located approximately 13 miles south of Pittsburgh. Of these 239 acres, NETL is landlord of 61.4 acres, of which approximately 40 acres are developed. Activities at the

Morgantown site occur on approximately 35 developed acres situated on a 137 acre site of which DOE is the sole landlord. The Albany site consists of a small 42 acre campus. The activities conducted at Fairbanks occur on the campus of the University of Alaska. The activities NETL conducts in Anchorage and Sugar Land occur in leased office space.

NETL's sites at Morgantown, Pittsburgh, and Albany are bordered by developed residential areas. Research operations at all three sites are conducted in numerous buildings. Although these activities may change in scope on an annual basis, the scale of these activities is relatively constant. Thus, the available research facilities are such that NETL does not anticipate any reasonably foreseeable need for additional site development or alternative land use that could be facilitated by environmental planning through a site-wide NEPA review.

### Public Participation

NETL maintains public contacts and regularly solicits input regarding on-site activities. Community interest groups and neighborhood association meetings are used to obtain information on community interests and concerns, and NETL uses this information to enhance communications for a broader understanding and greater acceptance of site activities. Local media solutions and announcements are used to obtain public input. In addition, NETL periodically supplements the on-going public interactions through open-house meetings where members of the public can observe NETL's operations first-hand and participate in discussions of NETL's activities.

### Conclusion

Based on the above considerations, we have concluded that a site-wide NEPA review for the NETL would not aid in streamlining the NEPA process, would not provide additional value to DOE decision makers or the public, and would not reduce the time and cost of preparing other NEPA documents. Thus, NETL does not plan to conduct a site-wide NEPA review.

# Annual NEPA Planning Summary

## Environmental Impact Statements Ongoing or Expected to be Prepared in the Next 24 Months

National Energy Technology Laboratory (NETL)

1/15/2013

Title, Location, Document Number	Estimated Cost	Estimated Schedule (NEPA Milestones)	Description
Hydrogen Energy International Integrated Gasification Combined Cycle and Carbon Capture and Sequestration Project, California, DOE/EIS-0431	Third Party, Cost shared with DOE	EIS Determination Date: 8/5/2009	ARRA: DE-FOA-0000042- Clean Coal Power Initiative (Round Three)
		NOI: 4/6/2010; 6/19/2012	
		Scoping: 4/14/2010; 7/12/2012	
		Draft 3/15/2013	
		Hearings TBD	
		Final TBD	
		ROD TBD	
FutureGen 2.0 Program, Meredosia Illinois, DOE/EIS-0460	\$2,800,000	EIS Determination Date: 11/9/2010	ARRA: DE-FOA-0005054- FutureGen 2.0
		NOI: 5/23/2011	
		Scoping: 6/7/2011-6/9/2011	
		Draft TBD	
		Hearings TBD	
		Final TBD	
		ROD TBD	
Lake Charles Carbon Capture and Storage (CCS) Project, Calcasieu Parish, Louisiana DOE/EIS-0464	Third Party, Cost shared with DOE	EIS Determination Date: 12/21/2010	ARRA: DE-FOA-0000015 Carbon Capture and Sequestration from Industrial Sources and Innovative Concepts for Beneficial CO2 Use (Area One).
		NOI: 4/29/2011	
		Scoping: 5/16/2011-5/17/2011	
		Draft 4/15/2013	
		Hearings 5/19/2013	
		Final 8/2/2013	
		ROD 9/27/2013	
W.A. Parish Post-Combustion CO2 Capture and Sequestration Project (PCCS) Fort Bend County, Texas DOE/EIS-0473	Third Party, Cost shared with DOE	EIS Determination Date: 7/6/2011	ARRA: DE-FOA-0000042- Clean Coal Power Initiative (Round Three)
		NOI: 11/14/2011	
		Scoping: 11/30/2011-12/1/2011	
		Draft 9/21/2012	
		Hearings 10/10/2012-10/11/2012	
		Final Feb-13	
		ROD Apr-13	
Mesaba Energy Project, Itasca County, Minnesota, DOE/EIS-0382	\$1,418,733	EIS Determination Date: 5/10/2005	Fossil Energy: DE-PS-04NT42061 Clean Coal Power Initiative (Round Two). All DOE funding has been expended.
		NOI: 10/5/2005	
		Scoping: 10/25/2005-10/26/2005 DOE: 11/8/2007; EPA:	
		Draft 11/9/2007	
		Hearings 11/27/2008-11/28/2008	
		Final 11/20/2009	
		ROD	
Texas Clean Energy Project (TCEP) Odessa, Ector County, Texas DOE/EIS-0444	150,000		ARRA: DE-FOA-0000042- Clean Coal Power Initiative (Round Three) The Supplemental Analysis currently in preparation will further address new information on the disposal of brine and new options for supply of process water to the plant.
<b>Total Estimated Cost</b>			
<b>\$4,368,733</b>			

## Annual NEPA Planning Summary Mitigation Action Plan (MAP) Tracking

NETL  
1/15/2013

NEPA Document Title, Location, Document Number	Key Dates in MAP Implementation	Discussion of Mitigation Commitments and Implementation Status
Kemper County IGCC Project, Kemper County, MI, DOE/EIS-0409	ROD/FONSI date:	8/19/2010
	MAP date:	Sept. 2010
	Mitigation report 1:	12/31/2011
	Mitigation report 2:	Est. 3/31/2012
	Mitigation report 3:	Est. 6/30/2012
	Mitigation report 4:	Est. 9/30/2012
Texas Clean Energy Project (TCEP) Odessa, Ector County, Texas DOE/EIS-0444	ROD/FONSI date:	
	MAP date:	
	Mitigation report 1:	
	Mitigation report 2:	
	Mitigation report 3:	
	Mitigation report 4:	
	ROD/FONSI date:	
	MAP date:	
	Mitigation report 1:	
	Mitigation report 2:	
	Mitigation report 3:	
	Mitigation report 4:	

MAP is under development. Firm Mitigation reports are not available at this time.

# Memorandum

DATE: JAN 8 2013

REPLY TO: 13-ESH-001  
ATTN OF: FE-4441 (KBatiste)

SUBJECT: 2013 ANNUAL NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) PLANNING SUMMARIES

TO: Mark Matarrese, Director, Office of Environment, Security, Safety & Health, FE-7  
THRU: David F. Johnson, Deputy Assistant Secretary for Petroleum Reserves, FE-40 *for K.Batiste 1/24/13*

Attached is the 2013 Annual NEPA Planning Summary Reports for the Strategic Petroleum Reserve Project Management Office (SPRPMO) as required by Department of Energy (DOE) Order 451.1B Chg.3 National Environmental Policy Act Compliance Program.

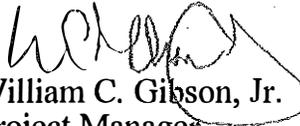
The SPRPMO has no ongoing NEPA compliance activities, does not expect to prepare any environmental assessments within the next 12 months, and does not expect to prepare any environmental impact statements within the next 24 months.

Since the last Supplement Analysis (SA) in 2009 and the Expansion Environmental Impact Statement (EIS) and Record of Decision (ROD) in 2007, there has not been a change in the scope of SPR activities and processes that would require the completion of a site-wide EIS to facilitate future NEPA compliance efforts.

The SPRPMO is forwarding the NEPA Planning Summary to you as requested, for consolidation into a single Fossil Energy submission to the DOE Office of NEPA Policy and Compliance.

The NEPA Planning Summary will be made available to the public by posting it on the SPRPMO NEPA internet site ([www.spr.doe.gov](http://www.spr.doe.gov)) and will be accessible in the SPRPMO Reading Room.

Please contact James B. Wallace, Director, Environmental, Safety, and Health Division, telephone (504) 734-4060, or Katherine Batiste, SPRPMO NEPA Compliance Officer, telephone (504) 734-4400, if you have questions.

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

Attachment:  
2013 SPR Annual NEPA Planning Summary Report.xlsx

## Annual NEPA Planning Summary

### Environmental Assessments Ongoing or Expected to be Prepared in the Next 12 Months

*Strategic Petroleum Reserve Project Management Office*

7-Jan-13

Title, Location, Document Number	Estimated Cost	Estimated Schedule (NEPA Milestones)	Description
NONE		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
	<b>Total Estimated Cost</b>		
	\$0		

1/3/2013

## Annual NEPA Planning Summary

### Environmental Impact Statements Ongoing or Expected to be Prepared in the Next 24 Months

*Strategic Petroleum Reserve Project Management Office*

7-Jan-13

Title, Location, Document Number	Estimated Cost	Estimated Schedule (NEPA Milestones)	Description
		EIS Determination Date: NOI: Scoping: Draft Hearings Final ROD	
NONE		EIS Determination Date: NOI: Scoping: Draft Hearings Final ROD	
		EIS Determination Date: NOI: Scoping: Draft Hearings Final ROD	
		EIS Determination Date: NOI: Scoping: Draft Hearings Final ROD	
		Supplement Analysis: SA Determination Date: Approval:	
		Supplement Analysis: SA Determination Date: Approval:	
	<b>Total Estimated Cost</b>		
	\$0		

## Annual NEPA Planning Summary Mitigation Action Plan (MAP) Tracking

*Strategic Petroleum Reserve Project Management Office*

7-Jan-13

NEPA Document Title, Location, Document Number	Key Dates in MAP Implementation	Discussion of Mitigation Commitments and Implementation Status
NONE	ROD/FONSI date: MAP date: Mitigation report 1: Mitigation report 2: Mitigation report 3: Mitigation report 4: Mitigation report 5:	
	ROD/FONSI date: MAP date: Mitigation report 1: Mitigation report 2: Mitigation report 3: Mitigation report 4: Mitigation report 5:	
	ROD/FONSI date: MAP date: Mitigation report 1: Mitigation report 2: Mitigation report 3: Mitigation report 4: Mitigation report 5:	

## Annual NEPA Planning Summary

### Environmental Assessments Ongoing or Expected to be Prepared in the Next 12 Months

*US DOE / Rocky Mountain oilfield Testing Center (RMOTC) / Naval Petroleum Reserve #3 (NPR-3)*

1/16/2013

Title, Location, Document Number	Estimated Cost	Estimated Schedule (NEPA Milestones)	Description
RMOTC Site Wide Environmental Assessment (SWEA)	\$79,000	EA Determination Date:	RMOTC plans to conduct a SWEA in preparation for the disposition of the Naval Petroleum Reserve #3.
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
		EA Determination Date:	
		Transmittal to State:	
		EA Approval:	
		FONSI:	
	<b>Total Estimated Cost</b>		
	\$79,000		

1/16/2013

## Annual NEPA Planning Summary

### Environmental Impact Statements Ongoing or Expected to be Prepared in the Next 24 Months

*US DOE / Rocky Mountain oilfield Testing Center (RMOTC) / Naval Petroleum Reserve #3 (NPR-3)*

1/10/2013

Title, Location, Document Number	Estimated Cost	Estimated Schedule (NEPA Milestones)	Description
		EIS Determination Date:	
		NOI:	
		Scoping:	
		Draft	
		Hearings	
		Final	
		ROD	
No planned Environmental Impact Statements.		EIS Determination Date:	
		NOI:	
		Scoping:	
		Draft	
		Hearings	
		Final	
		ROD	
		EIS Determination Date:	
		NOI:	
		Scoping:	
		Draft	
		Hearings	
		Final	
		ROD	
		EIS Determination Date:	
		NOI:	
		Scoping:	
		Draft	
		Hearings	
		Final	
		ROD	
		Supplement Analysis:	
		SA Determination Date:	
		Approval:	
		Supplement Analysis:	
		SA Determination Date:	
		Approval:	
	<b>Total Estimated Cost</b>		
	\$0		

## Annual NEPA Planning Summary Mitigation Action Plan (MAP) Tracking

*US DOE / Rocky Mountain oilfield Testing Center (RMOTC) / Naval Petroleum Reserve #3 (NPR-3)*

1/10/2013

NEPA Document Title, Location, Document Number	Key Dates in MAP Implementation	Discussion of Mitigation Commitments and Implementation Status
Nothing planned at this time.	ROD/FONSI date:	
	MAP date:	
	Mitigation report 1:	
	Mitigation report 2:	
	Mitigation report 3:	
	Mitigation report 4:	
	ROD/FONSI date:	
	MAP date:	
	Mitigation report 1:	
	Mitigation report 2:	
	Mitigation report 3:	
	Mitigation report 4:	
	ROD/FONSI date:	
	MAP date:	
	Mitigation report 1:	
	Mitigation report 2:	
	Mitigation report 3:	
	Mitigation report 4:	