



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221

SEP 30 2016

Mr. John E. Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87508-6303

Subject: Certificate of Completion for Settlement Agreement and Stipulated Final Order No. HWB-14-21 (Agreement) Supplement Environmental Projects Paragraph 36

Reference: The Settlement Agreement and Stipulated Final Order No. HWB-14-21 (CO), January 22, 2016

Dear Mr. Kieling:

The purpose of this letter is to provide the Certificate of Completion with pertinent attachments and data related to the final implementation for the referenced Settlement Agreement and Stipulated Final Order (Agreement) Supplemental Environmental Project Paragraph 36.

Paragraph 36 of the Agreement states the following:

The Respondents shall expend \$4 million to fund the construction of and equipment for an offsite emergency operations center near WIPP to be operated by DOE. DOE shall complete all requirements contained in this paragraph and submit a Certificate of Completion by the end of federal fiscal year 2016.

The work required by Paragraph 36 of the Agreement (e.g., the construction of and equipment for an offsite emergency operations center) has been completed. The enclosed Certificate of Completion with pertinent attachments and data including the funds expended are being provided pursuant to Paragraphs 32 and 36 of the Agreement. The following are enclosed:

- Enclosure 1 – Certificate of Completion
- Enclosure 2 – Pertinent Attachments and Data
 - Associated Expenditures
 - Project Completion Report

We certify under penalty of law that this document and all attachments were prepared under our direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system, or those persons directly

responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. George T. Basabilvazo at (575) 234-7488.

Sincerely,

Original Signatures on File

Todd Shrader, Manager
Carlsbad Field Office

Philip J. Breidenbach, Project Manager
Nuclear Waste Partnership LLC

Enclosures

cc: w/enclosure

K. Roberts, NMED *ED

C. Smith, NMED ED

R. Maestas, NMED ED

CBFO M&RC

*ED denotes electronic distribution

100-44388-1

CERTIFICATE OF COMPLETION

**IN SATISFACTION OF SETTLEMENT AGREEMENT AND STIPULATED FINAL ORDER
JANUARY 22, 2016
HWB-14-21 (CO)**

The Respondents certify that Supplemental Environmental Project (SEP) Paragraph 36 has been completed in accordance with the terms of the Settlement Agreement and Stipulated Final Order (AGREEMENT), January 22, 2016 [HWB-14-21 (CO)] between the Respondents and the New Mexico Environment Department (NMED). This SEP was completed on September 14, 2016.

Therefore, the Respondents issue this Certificate of Completion to the NMED in satisfaction of the AGREEMENT at Paragraphs 32 and 36.

The Respondents do hereby certify that the SEP Paragraph 36 is complete and has been accepted by the Respondents by the signatures below.

Signature on File

Todd Shrader, Manager
Carlsbad Field Office

Signature on File

Philip J. Breidenbach, Project Manager
Nuclear Waste Partnership LLC

ENCLOSURE 2:
PERTINENT ATTACHMENTS
AND DATA
(6 PAGES)

EOC CUMM COSTS FY14-FY16*

Project Name	Project ID	Resource	FY2015	FY2016	TOTAL
	1750701	Exempt Technical	\$ 121,359.07	\$ -	\$ 121,359.07
		Materials	\$ 204,855.90	\$ (18,438.05)	\$ 186,417.85
		Automated Data Processing Equipment	\$ 283,664.00	\$ 14,564.00	\$ 298,228.00
		Subcontract	\$ 1,073,340.04	\$ 34,169.97	\$ 1,107,510.01
		Travel	\$ 188.60	\$ -	\$ 188.60
		Overhead	\$ -	\$ 1,308.79	\$ 1,308.79
		Tax	\$ 96,795.93	\$ 1,785.80	\$ 98,581.73
In Town EOC @ SWB	1750701 Costs		\$ 1,780,203.54	\$ 33,390.51	\$ 1,813,594.05

Project Name	Project ID	Description	FY2015	FY2016	TOTAL
	1750801	Generator and Installation		\$ 1,443,529.00	\$ 1,443,529.00
		GSA Surcharge		\$ 83,127.88	\$ 83,127.88
EOC Generator	1750801 Costs		\$ -	\$ 1,526,656.88	\$ 1,526,656.88

Project Total \$ 3,340,250.93

*Number are subject to change after FY2016 close out

Emergency Operations Center and
Standby Backup Power System
at the Skeen-Whitlock Building



Project Completion Report

09/20/2016

Waste Isolation Pilot Plant – Emergency Operations Center

The Waste Isolation Pilot Plant (WIPP) Emergency Operations Center (EOC) located at 4021 National Parks Highway, Carlsbad, New Mexico, on the north end of the first floor of the Skeen-Whitlock Building (SWB) is fully operational and maintained in a state of readiness to support WIPP response to emergencies in a timely, efficient, and effective manner that protects workers and the public, critical infrastructure and systems, and the environment. The EOC supports onsite response and recovery activities and provides support to the Incident Commander and Facility Shift Manager. The EOC also interfaces with offsite agencies and organizations at the local, state, and federal levels to include the U.S. Department of Energy Headquarters Watch Office. The WIPP EOC applies National Incident Management System principles, concepts, and terminology.

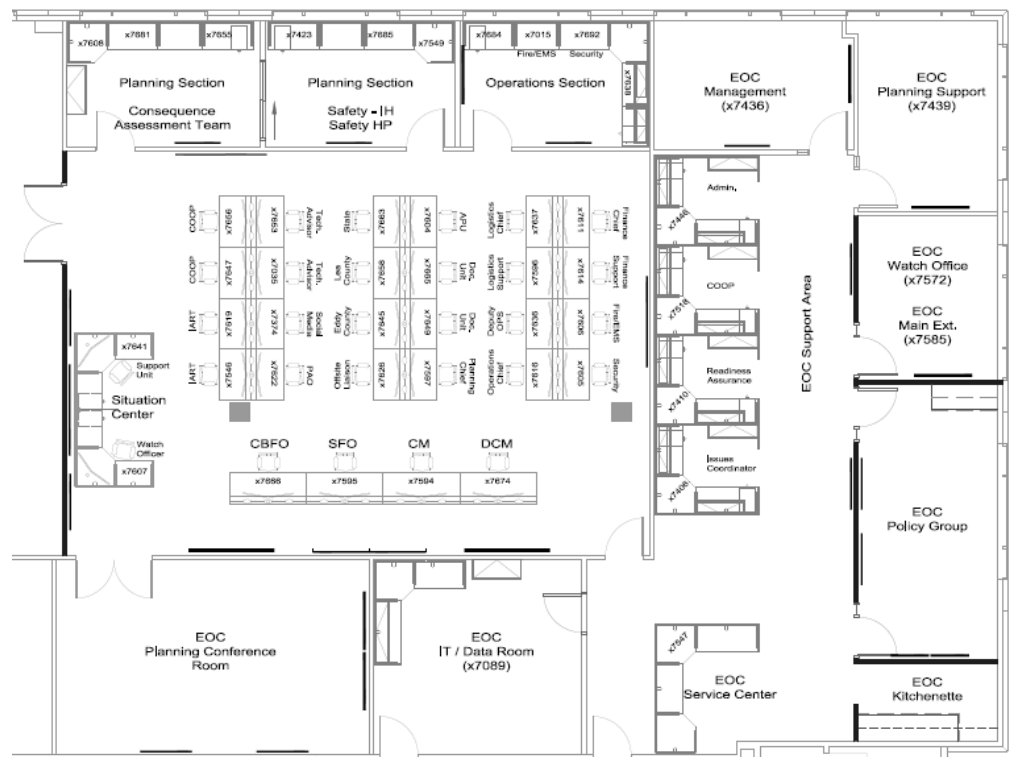


The EOC is approximately 4,000 square feet of operational space for routine and emergency coordination and includes integrated capabilities to monitor and coordinate among stakeholders.

The EOC includes the following key workspaces:

- Emergency Management Support Area
- EOC Policy Group Conference Room
- EOC Main Operational Area
- EOC Situation Center
- Operations Contingency Room
- Planning and Consequence Assessment Contingency Room
- Planning Conference Room

CARLSBAD FIELD OFFICE EMERGENCY OPERATIONS CENTER





Enhancements to software tools include the addition of WebEOC. WebEOC is a web-enabled, user-friendly and locally-configurable incident and event management system that allows emergency managers, first responders, and other stakeholders to view, share, and track incident information, regardless of location.

The EOC enables the following:

- Key resources/critical infrastructure positioned out of the hazard area
- Use of a multi-agency coordination system
- Capability to coordinate and manage small or large incidents, applying an all-hazards approach
- Framework to strengthen interfaces and collaboration with our offsite partners (local, state, federal)
- Resiliency through enhanced back-up power and communications integration

The primary roles and responsibilities for the EOC are as follows:

- Gather, organize, and document incident and resource information from all sources to maintain situation awareness.
- Establish priorities and objectives through an incident action planning process that integrates field responder objectives and needs into the planning process.
- Provide strategic direction, resolve technical issues, and provide resources and information to field responders.
- Communicate, coordinate, and share information with emergency response elements in the field to support response efforts.
- Develop consequence assessment plume-models to assist decision-makers with protective actions and other strategic and tactical actions.
- Coordinate emergency public information to include social media platforms to ensure timely and accurate information is disseminated to the workforce, media, government officials, and other stakeholders.

The EOC Project Cost was \$1.8 million.



Waste Isolation Pilot Plant – Standby Backup Power System



The Waste Isolation Pilot Plant (WIPP) Emergency Operations Center (EOC) is located at 4021 National Parks Highway, Carlsbad, New Mexico, on the north end of the first floor of the Skeen-Whitlock Building (SWB). The EOC is utilized to provide situational awareness and monitoring and maintain emergency coordination and continuity for the WIPP during incidents, at a location offsite and away from hazards.

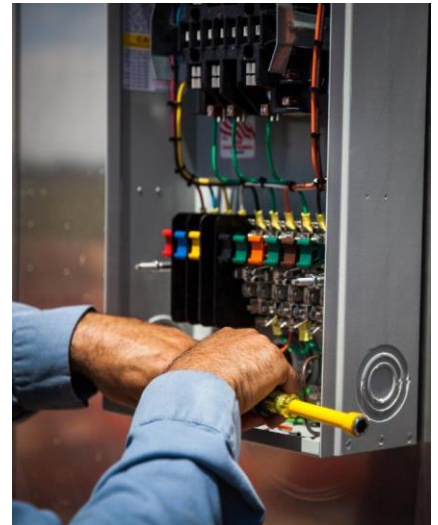
The standby backup generator at the SWB is capable of simultaneously supplying all building connected loads including the EOC and the building Information

Technology infrastructure. The generator is capable of supplying its full rated power output for 48 hours without refilling.

The standby backup generator is capable of automatically starting when commercial power to the building is lost and will automatically stop when commercial building power is restored. The system includes a user interface annunciator panel to indicate generator status.

Project Information

Final project planning began in early June with GSA, the building owner and contractors. A coordination meeting was held with the local electric service provider to plan and schedule a primary service outage in late August. Initial site work began in early July. This work included pouring the concrete pads, installing conduits, installing the main breaker, current transformer enclosure and docking station. In mid-July, the larger concrete pad for the fuel tank and generator was poured and finished. The manual and automatic transfer switches were installed and wiring from disconnects and switching gear was run.



In early August, plans for bringing in the crane to unload the fuel tank and generator were finalized. The manual transfer switch and automatic transfer switch installations were finalized and the electrical service provider's primary conductors were excavated in preparation for the non-fused disconnect installation.

The generator arrived August 19 and was unloaded. The week of August 22 the generator was assembled and some electrical connections were made. The weekend of August 26-28 primary building power was disconnected. The main transformer was moved and connected to the new main building disconnect. Building power was restored on Saturday, August 27 with no problems or issues.



The week of August 29, the generator was prepared for startup testing and the state-required fuel tank inspection was conducted. The generator was started on August 31 for the initial mechanical run, and load testing was conducted on September 2. This testing included a load bank test and a full building load test. Both tests were completed successfully. The project is considered substantially complete at this time.

The week of September 5, additional concrete was poured to support the catwalk and the catwalk was installed. System training was conducted on September 7 and 14, and a final walk down of the system was conducted on September 14.

The EOC Generator Project Cost was \$1,526,656.88 (generator, installation and general services administration fees included).



EOC Generator – Under Construction

EOC Generator – Operational Ready

