



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

COPY

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DEC 20 2007

OFFICE OF  
AIR AND RADIATION

Dear Dr Moody:

During the week of July 9, 2007, the U.S. Environmental Protection Agency (EPA) performed inspections of the Waste Isolation Pilot Plant (WIPP) waste management and storage operations (EPA-WIPP-7.07-10a), emplacement (EPA-WIPP-7.07-10c) and the monitoring program (EPA-WIPP-7.07-10b). These inspections were performed under the authorities of 40 CFR 194.21 and 40 CFR Part 191, Subpart A.

As a result of the inspections, EPA determined that the activities related to emissions monitoring during waste management and storage continue to comply with the requirements of 40 CFR Part 191, Subpart A. However, to ensure proper performance of the Station A shrouded probes, DOE needs to continue to increase the probe cleaning frequency as salt loading conditions warrant. We also determined that DOE continues to adequately monitor the ten parameters that are important to the long-term containment of waste, as identified in EPA's 1998 Certification Decision. EPA also determined that waste is presently emplaced adequately, although EPA recommends that DOE maintain a permanent photographic record of the RH canister number as it is removed from the transportation cask.

Copies of these inspection reports are enclosed with this letter and will be placed in the EPA public docket. If you have any questions regarding the enclosed reports, please call Chuck Byrum at (214) 665-7555.

Sincerely,

Juan Reyes, Director  
Radiation Protection Division

Enclosure

cc: Russ Patterson, DOE/CBFO  
George Basabilvaso, DOE/WIPP  
Steve Zappe, NMED  
EPA WIPP Team, EPA Docket

UNIQUE #	DOE UFC	DATE REC'VD	ADDRESSEES
2007-11-16	1000	JAN 16 2008	See list on the back

**DOCKET NO: A-98-49**

**Item: II-B3-102**

**Monitoring Inspection Report**

**INSPECTION No. EPA-WIPP-7.07-10b**

**OF THE**

**WASTE ISOLATION PILOT PLANT**

**July 10 to July 12, 2007**

**U. S. ENVIRONMENTAL PROTECTION AGENCY**

**Office of Radiation and Indoor Air**

**Center for Federal Regulation**

**1200 Pennsylvania Avenue, NW**

**Washington, DC 20460**

**August 2007**

## 1.0 Executive Summary

The U.S. Environmental Protection Agency (EPA) conducted an inspection of the Department of Energy's (DOE) Waste Isolation Pilot Plant (WIPP) from July 10 to July 12, 2007, as part of our continuing WIPP oversight program. The purpose of this inspection was to verify that DOE continues to adequately monitor ten parameters listed in the Compliance Certification Application (CCA), Volume 1, Section 7.0, in particular Table 7-7 (See Table 1, COB-M2006-1). Attachment A contains the checklist and the inspection plan used by the EPA inspector, and Attachment B lists documents reviewed by the EPA inspector.

The inspection examined the implementation of monitoring for geomechanical, hydrological, waste activity, drilling related, and subsidence parameters. The EPA inspector toured locations where measurements are taken, reviewed parameter databases, and reviewed documents and procedures directing these monitoring activities.

The inspector found that DOE, through its contractor Washington TRU Solutions (WTS), effectively implemented the monitoring programs at WIPP for all areas. EPA did not have any findings or concerns. The inspector also confirmed that the results of DOE monitoring programs are reported annually.

## 2.0 Scope

The WIPP Compliance Criteria (40 CFR Part 194.42(a)) require DOE to "conduct an analysis of the effects of disposal system parameters on the containment of waste in the disposal system." The results of these analyses were included in the 1996 Compliance Certification Application (CCA), confirmed in the 2004 Compliance Recertification Application (CRA), and were used to develop pre-closure and post-closure monitoring requirements.

Volume 1, Section 7.0, of the CCA documented DOE's analysis of monitoring parameters. Table 7-7 of the CCA lists the ten parameters that DOE determined may affect the disposal system. These parameters are grouped into major categories and listed in Table 1.

<b>Geomechanical Parameters-</b> <ul style="list-style-type: none"><li>-Creep closure,</li><li>-Extent of deformation,</li><li>-Initiation of brittle deformation, and</li><li>-Displacement of deformation features.</li></ul>	<b>Waste Activity Parameter-</b> <ul style="list-style-type: none"><li>-Waste Activity</li></ul> <b>Subsidence Parameter-</b> <ul style="list-style-type: none"><li>-Subsidence measurements</li></ul>
<b>Hydrological Parameters-</b> <ul style="list-style-type: none"><li>-Culebra groundwater composition and</li><li>-Change in Culebra groundwater flow direction.</li></ul>	<b>Drilling Related Parameters-</b> <ul style="list-style-type: none"><li>-Drilling rate and</li><li>-The probability of encountering a Castile brine reservoir.</li></ul>

The underground, where geomechanical measurements are taken, was also inspected. The inspection closeout meeting was held on July 12, 2007 in Carlsbad New Mexico (COB-A2007-S2b).

The EPA inspector reviewed three fundamental areas to verify continued implementation of the DOE parameter monitoring program during the pre-closure phase: 1) written plans and procedures, 2) quality assurance procedures and records, and 3) results of the monitoring program in the form of raw data, intermediate reports, and final annual reports, if appropriate. The inspection checklist in Attachment A provides details of these inspection activities.

The EPA inspector reviewed various activities to verify effective procedure implementation. The inspector observed a demonstration of the WWIS and reviewed the Delaware Basin Drilling Surveillance Program, Groundwater Monitoring Program, and the Geomechanical Monitoring Program.

#### 4.1 Monitoring of Geomechanical Parameters

DOE committed to measure four geomechanical parameters in the CCA: creep closure, extent of deformation, initiation of brittle deformation, and displacement of deformation features (Table 2). WIPP has four programs that supply information for these four parameters: the geomechanical monitoring program, the geosciences program, the ground control program, and the rock mechanics program. These programs are documented in the WIPP Geotechnical Engineering Program Plan, WP 07-01 (COB-M2007-C). The results of the geotechnical program are reported in the Geotechnical Analysis Report for July 2005 - June 2006, DOE/WIPP-07-3177, Volumes 1 and 2 (COB-M2007-A and -A2).

**Table 2 - Geomechanical Parameter and Values Measured to Confirm Them**

<u>Monitor Parameters</u>	<u>Confirmed by Measuring</u>	<u>Related Procedure(s)</u>
creep closure and stresses	convergence measurements	WP 07-EU1301
	borehole extensometers	WP 07-EU1303
		WP 07-EU1304
		WP 07-EU1308
extent of deformation	borehole extensometers	WP 07-EU1301
	borehole observations	WP 07-EU1303
		WP 07-EU1305
		WP 07-EU1308
initiation of brittle deformation	fracture mapping	WP 07-EU1301
	borehole observation	WP 07-EU1303
		WP 07-EU1001
displacement of deformation features	geologic mapping comparison	WP 07-EU1301
		WP 07-EU1303
		WP 07-EU1001

-From DOE/WIPP 07-3177 (COB-M2007-A), Volume 1, Page 6

During the 2007 inspection the EPA inspector requested information about changes in the program since last year. The opening meeting presentation noted that five new Culebra wells were drilled and 4 wells plugged since last year (COB-M2007-I4b). The current well monitoring network consists of 45 Culebra, 10 Magenta, 5 dual Culebra/Magenta completions, 1 Dewey Lake, 2 Bell Canyon, and 17 shallow Santa Rosa/Dewey Lake wells. Besides examining the Site Environmental Report for 2005 the inspector examined flow direction maps, well location maps, water level measurements, and water chemistry data and plots (COB-M2007-H1, -H1a, -H1b, -H2, -H3, -H4, -H5, -H6, -H7a, -H7b, -H8, -H10, -H16, -H19, and -H20) during the 2007 inspection. The inspector found the hydrological monitoring program to be improving and adequate.

#### **4.3 Monitoring of Waste Activity Parameters**

DOE committed to monitor the activity of waste emplaced in the CCA. This parameter is part of the extensive database collected for each container shipped to WIPP and is stored in the WIPP Waste Information System (WWIS). The WWIS is a software system that screens waste container data and provides reports on the Transuranic (TRU) waste sent to WIPP. The requirements for the WWIS are discussed in the WIPP Waste Information System Program and System Data Management Plan, WP 08-NT.01 (COB-M2007-E). DOE yearly reports waste activity information in the Annual Change Report Table 3 (DOE/WIPP 06-3177; COB-M2007-K).

WWIS staff demonstrated that the WWIS can receive data and that the WWIS can generate needed reports. The inspector obtained copies of the Nuclide Report (COB-M2007-W1), WWIS Shipment Summary Reports (COB-M2007-W2 and -W3) and WWIS Waste Container Data Reports (COB-M2007-W4, -W5, -W6, and -W7). The inspector verified that DOE tracks and annually reports the waste activity at WIPP.

#### **4.4 Monitoring of Drilling Related Parameters**

DOE committed to measure two drilling related parameters in the CCA: the drilling rate and the probability of encountering a Castile brine reservoir. These parameters are measured as part of the Delaware Basin Drilling Surveillance Plan, WP 02-PC.02 (COB-M2006-F). This surveillance program measures and records many parameters related to drilling activities around the WIPP site. The results of the surveillance program are documented annually in the Delaware Basin Monitoring Annual Report, DOE/WIPP 06-2308 (COB-M2007-H).

The inspector reviewed the drilling surveillance database, examined drilling rate changes, and permitted and active injection wells while interviewing staff. The inspector received and reviewed Texas and New Mexico well database ACCESS files, maps of oil and gas wells around WIPP, and well plugging documents. (COB-M2007-H12, -H13, -H15, -H17, -H18, -H21, -H22, -H22a, -H22b, and -H23). The inspector verified that DOE tracks and reports the drilling rate and the number of Castile brine encounters near WIPP.

## **Attachment A: Inspection Plan and Checklist**

### **2007 Monitoring Parameter Inspection Plan**

**Purpose:** Verify that the Department of Energy (DOE) can demonstrate that the Waste Isolation Pilot Plant (WIPP) is monitoring the parameter commitments made in the documentation to support the EPA's certification decision, in particular CCA, Volume 1, Section 7.2, Table 7.7 and Appendix MON. This inspection is conducted under the authority of 40 CFR 194, Section 21.

This inspection is part of EPA's continued oversight to ensure that WIPP can, in fact, monitor the performance of significant parameters of the disposal system.

**Scope:** Inspection activities will include an examination of monitoring and sampling equipment both on and off site, and in the underground. A review of sampling procedures and measurement techniques may be conducted. Quality assurance procedures and documentation for each of these activities will also be reviewed.

**Focal Areas of This Year's Inspection:**

- What has changed in the monitoring program this past year?
- What documentation and procedures have changes?
- Update the monitoring program and results for the past year.
- Have any monitoring parameters changed?

**Location:** This inspection will be held at the WIPP facility location twenty-six miles south east of Carlsbad, New Mexico and the surrounding vicinity as needed.

**Duration:** The EPA expects to complete its inspection in two days. Each day will begin with an opening meeting at 8:00 a.m. and end before 5:00 p.m. with a closeout session.

**Expected Date:** Week of July 9, 2007.

**Documents For Review:** Just like past years provide latest versions of any documentation and/or procedures related to your monitoring program as soon as possible.

#	Question	Comment (Objective Evidence)	Result
1	<p>Does DOE demonstrate that they have implemented plans/programs/procedures to measure -</p> <p>a) Culebra Groundwater Composition;</p> <p>b) Change in Culebra Groundwater Flow Direction</p> <p>during the pre-closure phase of operations as specified in the CCA part of WIPP's groundwater monitoring plan?</p> <p>(CCA, Volume 1, Table 7-7: App MON, Table MON-1) 40 CFR 194.42 (c) and (e)</p>	<p>WIPP Groundwater Monitoring Program Plan, WP 02-1 (COB-M2007-B) documents plans to measure, document, report, and the QA requirements for these activities. WP 02-1 records the activities associated with this program (Section 4), methods used (Sections 5 and 6), data analysis (Section 7) and reporting requirements (Section 8). Section 11.0 of WP 02-1 documents quality assurance requirements.</p> <p>Site staff discussed changes to the program over the past year (COB-M2007-44b). Staff also explained the new SURFER computer code contouring techniques used to develop maps to find flow direction in the Culebra (COB-M2006-H1 to H24)</p>	SAT
2	<p>Does DOE demonstrate that they have implemented an effective quality assurance program for item 1 above? (CCA, App MON, Page MON-22) 40 CFR 194.22</p>	<p>During this inspection the EPA inspector evaluated the quality assurance program and found it to be adequate.</p>	SAT
3	<p>Does DOE demonstrate that the results of the groundwater monitoring program are reported annually? (CCA, App. MON, Page MON-22)</p>	<p>Results are published annual in the Waste Isolation Pilot Plant Annual Site Environmental Report for 2005 (DOE/WIPP 06-2225: COB-M2007-I) Chapters 4.3 and 6.0.</p>	SAT

#	Question	Comment (Objective Evidence)	Result
1	<p>Does DOE demonstrate that they have implemented plans/programs/procedures to measure -</p> <p>a) Drilling Rate; and</p> <p>b) Probability of Encountering a Castile Brine Reservoir?</p> <p>(CCA, Volume 1, Table 7-7; App MON, Table MON-1) 40 CFR 194.42 (c) and (e)</p>	<p>The Delaware Basin Drilling Surveillance Plan, (WP 02-PC.02: COB-M2006-F, not changed since last year), documents the program planned to measure, document, report, and the QA requirements for these activities. Section 7.0 of WP 02-PC.02 documents quality assurance requirements. The Delaware Basin Drilling Database Upgrade Process (WP 02-EC3002: COB-M2007-F) documents the process used to update databases with information from various commercial and state sources. Drilling rate and Castile brine encounter data are updated annually in the Delaware Basin Monitoring Annual Report (DOE/WIPP 06-2308: COB-M2007-H) in Sections 2.5 and 2.6.</p> <p>Staff discussed changes during the past year (COB-M2007-I4a and -I4b). Reported on brine encounters, drilling rate calculations, and provided maps of drilling activities near WIPP (COB-M2007-H11 to H24). They demonstrated that DOE is adequately monitoring these parameters.</p>	SAT
2	<p>Does DOE demonstrate that they have implemented an effective quality assurance program for item 1 above? (CCA, App DMP, page DMP-9) 40 CFR 194.22</p>	<p>During this inspection the EPA inspector evaluated the quality assurance program and found it to be adequate.</p>	SAT
3	<p>Does DOE demonstrate that the results of the drilling related parameters are reported annually? (CCA Volume, Section 7.2.4 Reporting; App DMP, page DMP-9)</p>	<p>WP 02-PC 02 Section 6.0 documents that results are reported annually. DOE/WIPP 99-2308 verifies that these parameters are updated and reported annually.</p>	SAT

**Attachment B: Documents Reviewed**

Documents Received and Reviewed During Inspection		194.42 Monitoring Inspection	July 2007	DOE Documents
ID#	Document Title	Subject Matter		Source
COB-M2006-T	Final Sample and Serial Sample Collection - Technical Procedure WP 02-EM1006, Revision 5, 8/12/04	Describes water sample collection.		DOE/WIPP
COB-M2006-W	Groundwater Serial Sample Analysis - Technical Procedure WP 02-EM1005, Revision 4, 06/11/03	Instruction for taking serial samples.		DOE/WIPP
COB-M2007-G	WTS Quality Assurance Program Description, WP 13-1, Revision 26, 03/19/07	Demonstrates DOE's implementation of quality assurance program.		DOE/WIPP
COB-M2007-H	Delaware Basin Monitoring Annual Report DOE/WIPP 06-2308, Sept. 2006	Demonstrates DOE's implementation of drilling surveillance program.		DOE/WIPP
COB-M2007-I	Waste Isolation Pilot Plant Annual Site Environmental Report for 2005, DOE/WIPP 06-2225, 0906	Example of the results of the environmental monitoring program, in particular hydrological parameters.		DOE/WIPP
COB-M2006-P	Subsidence Survey Data Acquisition Report, Technical Procedure WP 09-ES4001 Revision 0, 6/13/02	Procedure documents methods used for acquiring data, creating database, and generating report on subsidence monuments.		DOE/WIPP
COB-M2007-J	WIPP Waste Information System User's Manual, DOE/CBFO 97-2273, Rev 12, WWIS Version 5.4a, 03/07	User's manual for computerized data management system used by WIPP to gather, store, and process information, such as waste activity (Section 9), pertaining to CH and RH TRU waste for disposal		DOE/CBFO
COB-M2007-K	Annual Change Report 2005/2006, DOE/WIPP 06-3317, 10/06	Table 3, Waste Emplacement Summary Report, of the annual change report updates waste activity yearly.		DOE/WIPP
COB-M2007-L1	WIPP CH Waste Documented Safety Analysis, DOE/WIPP-95-2065 Revision 10, 11/06	Describes various CH safety analysis done at WIPP.		DOE/WIPP
COB-M2007-L2	WIPP RH Waste Documented Safety Analysis, DOE/WIPP-06-3174 Revision 0, 03/06	Describes various RH safety analysis done at WIPP.		DOE/WIPP
COB-A2006-I	WIPP Environmental Monitoring Plan, DOE/WIPP-99-2194 Revision 3, September 2004	Describes environmental monitoring plan.		DOE/WIPP
COB-A2007-I	WIPP Environmental Monitoring Plan, DOE/WIPP-99-2194 Revision 2, 02/04	Describes environmental monitoring plan.		DOE/WIPP
COB-M2006-AC	Cation and Anion Analysis, Technical Procedure, WP 02-EM1007, Revision 1, 9/19/03	Documents steps to analysis cation and anions of water samples.		DOE/WIPP

Documents Received and Reviewed During Inspection ID# designated 'M2007' document changed since 2006 inspection.		194.42 Monitoring Inspection	July 2007	DOE Documents
ID#	Document Title	Subject Matter		Source
COB-M2006-AQ	Sample Tracking and Custody, Technical Procedure, WP 12-RL1001, Revision 7, 03/21/06	Instructions for documenting receipt and storage of samples in WIPP laboratory.		DOE/WIPP
COB-M2007-Q	Alpha Spectroscopy System Operation, Technical Procedure, WP 12-RL1002, Revision 5, 05/01/07	Direction for calibrating and operating the Canberra Alpha Spectroscopy System as interfaced with the Genie 2000.		DOE/WIPP
COB-M2007-R	Establishing Gross Alpha and Gross Beta Self-Absorption Curves, Technical Procedure, WP 12-RL1008, Revision 3, 06/27/06	Instructions for preparing samples of known activity and known weight to generate self-absorption curves for each of the gas proportional counters.		DOE/WIPP
COB-M2006-AT	Gross Alpha and Gross Beta Activity in Air Filter, Soil, Water, Sludge, and Biota, Technical Procedure, WP 12-RL1009, Revision 2, 08/26/04	Guidance for rapidly performing a variety of screening matrices for both high and low activity radionuclides.		DOE/WIPP
COB-M2006-AU	Sample Preparation, Technical Procedure, WP 12-RL1010, Revision 7, 04/27/06	Directions for preparing samples to determine activity of radionuclides.		DOE/WIPP
COB-M2006-AV	Elemental Separation - Strontium 90, Technical Procedure, WP 12-RL1011, Revision 10, 04/26/06	Directions for performing elemental separation of strontium from samples.		DOE/WIPP
COB-M2007-S	Elemental Separation - Transuranic Products, Technical Procedure, WP 12-RL1012, Revision 8, 10/31/07	Describes method for elemental separation and purification of actinide isotopes in samples.		DOE/WIPP
COB-M2007-T	Sample Mounting, Technical Procedure, WP 12-RL1013, Revision 6, 04/18/07	Directions for electrodeposition sample mounting and neodymium fluoride coprecipitation sample mounting of actinides in preparation for alpha spectroscopy counting.		DOE/WIPP
COB-M2007-U	Routine Laboratory Operations, Technical Procedure, WP 12-RL1014, Revision 5, 08/31/06	Instructions for routine laboratory operation.		DOE/WIPP
COB-M2007-V	Canberra Alpha Analyst System Operation, Technical Procedure, WP 12-RL1015, Revision 12, 05/02/07	Directions for calibrating and operating the Canberra Alpha Analyst 32-chamber alpha spectroscopy system.		DOE/WIPP
COB-M2006-BA	Operation of the Oxford Series 5 Gas Proportional Counter, Technical Procedure, WP 12-RL1016, Revision 6, 04/26/06	Guidance for the operation of the Oxford Series 5 Gas Proportional Counter.		DOE/WIPP
COB-M2006-BB	Plutonium-241 Analysis, Technical Procedure, WP 12-RL1200, Revision 0, 11/26/03	Provides method for the analysis of Pu 241 in any matrix after preparation of the sample in accordance with WP 12-RL1012 and WP 12-RL1015.		DOE/WIPP

Documents Received and Reviewed During Inspection  
 ID# designated 'M2007' document changed since 2006  
 inspection.

194.42 Monitoring Inspection

July 2007

DOE  
 Documents

ID#	Document Title	Subject Matter	Source
COB-M2007-G1	WP 07-EU1301, Attachment 2- GIS Field Data Sheet	Manual measurement of Field Tag, E520-S3480, A-C and B-D convergence points in Room 1, Panel 4 and a copy of the check print when the data was input into the computer database.	DOE/WIPP
COB-M2007-G2 G3	WP 07-EU1001, Attachment 6- Borehole Inspection Field Data Sheet	Manual measurements of new OH 530-1 and the original OH-530 using a scratch rod.	DOE/WIPP
COB-M2007-G4	Ground Control Annual Plan for the WIPP, DOE/WIPP 02-3212, Rev 5, 07/07	Plan that directs ground control activities in the underground at WIPP to ensure mine safety.	DOE/WIPP
COB-M2007-G5	Plots of E520-S3480, Room 1 Panel 4, convergence points, A-C and B-D, convergence and displacement rate plots.		DOE/WIPP
COB-M2007-G6	Plots of E920-S3480, Room 4 Panel 4, convergence point, A-C, convergence and displacement rate plots.		DOE/WIPP
COB-M2007-G7a G7b-G7c	WIPP Underground Geologic Spall and Fracture Maps	Drawing of fractures and spall in the back (roof) of panel 4, Room 1 from S3340 to S3630, showing original observations, 8/06, and two updates, 11/06 and 2/07.	DOE/WIPP
COB-M2007-G8	EPA notes on monitor inspection.	Points EPA selected for manual and remote geomechanical measurements.	EPA
COB-M2007-G9	Geologic/Stratigraphic mapping notebook.	Includes WP 07-EU1001 requirements, survey point in Panel 4 - S3310 Room 1, survey line elevation, Geologic Mapping Data Collection sheet fro Panel 4 Room 1, stratigraphy cross sections, and stratigraphy data spreadsheet.	DOE/WIPP
COB-M2007-G10	Plots of 51X-GE-00376 extensometer remote measurements in Panel 4 Room 1, relative displacement, displacement rate, and checkprint of data input.		DOE/WIPP
COB-M2007-G11	Photo DSC-4870 Using the borehole scratch rod to measure offsets and separations in an observation borehole.		DOE/WIPP
COB-M2007-G12	Photo DSC-4877 Using the borehole scope to observe conditions in an observation borehole.		DOE/WIPP

Documents Received and Reviewed During Inspection		194.42 Monitoring Inspection	July 2007	DOE Documents
ID#	Document Title	Subject Matter		Source
COB-M2007-H16	Map of current WIPP monitor wells at WIPP site and one mile buffer around site, May 2, 2007.			DOE/WIPP
COB-M2007-H17	Forest, Barclay Federal, Borehole Plugging Records, H17 30-015 30066.			DOE/WIPP
COB-M2007-H18	Yates, Continental API Federal, Borehole Plugging Documents, H18 30-025-20428.			DOE/WIPP
COB-M2007-H19	Current WIPP Monitor Wells-2007.			DOE/WIPP
COB-M2007-H20	WIPP Monitor Well Map and Locations, DBM-54-2007.			DOE/WIPP
COB-M2007-H21	Hydrocarbon Well Within nine Township Area of WIPP, DBM-55-2007			DOE/WIPP
COB-M2007-H22a	New Mexico hydrocarbon Wells-2006 (.ldb file)			DOE/WIPP
COB-M2007-H22b	MS ACCESS Database File for New Mexico Hydrocarbon Wells 2007. (.mdb file)			DOE/WIPP
COB-M2007-H23	MS ACCESS Database File for Texas Hydrocarbon Wells-2007. (.mdb file)			DOE/WIPP
COB-M2007-H24	Map of WIPP Monitoring Withing one Mile of WIPP Boundary-05/02/2007.			DOE/WIPP
COB-M2007-S1	071107 DIGILEV Leveling Printout L0929905lvl			DOE/WIPP
COB-M2007-S2	071107 DIGILEV RAW Input Printout L0929905raw			DOE/WIPP
COB-M2007-S3	071107 DIGILEV Adjusted Printout L0929905adj			DOE/WIPP
COB-M2007-S4	DOE/WIPP 07-2293 Figure 1, page 3, Subsidence Survey Loops and Underground Excavations.			DOE/WIPP
COB-M2007-S5	Map of Subsidence Locations and List of Coordinates 21-G-001-W1.			DOE/WIPP
COB-M2007-W1	071207 at 15-40 Nuclide Report, RP0380, from the WWIS waste database system.			DOE/WIPP
COB-M2007-W2	WWIS Shipment Summary Report for waste shipment BN-IN070384.			DOE/WIPP
COB-M2007-W3	WWIS Shipment Summary Report for waste shipment C9-INR07027.			DOE/WIPP