

**CHAPTER P**

**WIPP TECHNICAL PROCEDURE SUMMARIES REFERENCED IN OTHER  
ATTACHMENTS**

Waste Isolation Pilot Plant  
Hazardous Waste Facility Permit  
Renewal Application  
September 2009

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**CHAPTER P**

**WIPP TECHNICAL PROCEDURE SUMMARIES REFERENCED IN OTHER  
ATTACHMENTS**

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The most current revision of the complete document or procedure is maintained within the WIPP Operating Record.

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## **WP 02-EM1002**

The procedure following this page has been removed in its entirety and replaced with a Procedure Summary. The complete and current procedure is retained within the WIPP Operating Record.

### Procedure Summary

WP 02-EM1002 is a technical procedure that provides step-by-step instructions for acquiring ground-water samples using electric submersible pumps (**ESPs**). The procedure addresses the equipment in general, lists precautions and limitations which assure that only qualified individuals operate the equipment, prerequisite actions which assure the correct installation and operation. The procedure details how to install the various subsystems such as the surface discharge and pressure monitoring system and the pressure monitoring bubbler and how to start up and shut down the ESP.

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### **WP 02-EM1005**

The procedure following this page has been removed in its entirety and replaced with a Procedure Summary. The complete and current procedure is retained within the WIPP Operating Record.

#### **Procedure Summary**

WP 02-EM1005 is a technical procedure that provides step-by-step instructions for on site analysis of ground water to determine ground-water stability prior to the collection of final samples for analysis. The procedure addresses the equipment in general, lists precautions and limitations which assure that only qualified individuals operate the equipment, prerequisite actions which assure data quality. The procedure addresses the field measurement of Eh, pH, temperature, specific gravity, specific conductance, alkalinity, chloride, divalent cation, and total iron as indicators of ground-water stability.

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### **WP 02-EM1006**

The procedure following this page has been removed in its entirety and replaced with a Procedure Summary. The complete and current procedure is retained within the WIPP Operating Record.

#### Procedure Summary

WP 02-EM1006 is a technical procedure that provides step-by-step instructions for acquiring ground-water samples from the WQSP wells in the vicinity of WIPP. The procedure addresses the equipment in general, lists precautions and limitations which assure that only qualified individuals operate the equipment, and prerequisite actions which assure the data quality. The procedure addresses collection of samples from private wells, collection of serial ground-water samples, the collection of final samples for submittal to the laboratory, and data review by the monitoring task leader.

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## **WP 02 EM1014**

The procedure following this page has been removed in its entirety and replaced with a Procedure Summary. The complete and current procedure is retained within the WIPP Operating Record.

### Procedure Summary

WP 02-EM1014 is a technical procedure that specifies the steps followed by Environmental Monitoring (**EM**) personnel for making manual ground-water level measurements in ground-water wells in the vicinity of the WIPP facility. The procedure provides general instructions including prerequisites, safety precautions, performance frequency, quality assurance, and records. Specific instructions are included for using the water level measurement electrical conductance probe and data management.

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### **WP 02-EM3001**

The procedure following this page has been removed in its entirety and replaced with a Procedure Summary. The complete and current procedure is retained within the WIPP Operating Record.

#### Procedure Summary

WP 02-EM3001 is a management control procedure to provide the administrative guidance to be used by Environmental Monitoring (**EM**) personnel to maintain quality control (**QC**) associated with EM sampling activities and to assure that data acquired under the WIPP Environmental Monitoring Program are valid. The precautions and limitations portion of this procedure assure that only qualified personnel acquire samples under the EM program, that cross contamination of sampling equipment is prevented, and that sample hold times are not exceeded. The Performance portion of the procedure provides step-by-step instructions for Quality Assurance/Quality Control (**QA/QC**) implementation, the use of data sheets and sample tracking logbooks, sample tacking from collection to submittal, and actions to take if sample results indicate the potential for exceeding a regulatory limit.

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### **WP 02-EM3003**

The procedure following this page has been removed in its entirety and replaced with a Procedure Summary. The complete and current procedure is retained within the WIPP Operating Record.

#### Procedure Summary

WP 02-EM3003 is a management control procedure to provide Environmental Monitoring (EM) personnel instructions on performing validation and verification of laboratory data containing the analysis results of non-radiological samples. This procedure is used only on the analytical results of the non-radiological environmental surveillance sampling performed around the WIPP site.

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### **WP 02-RC.01**

The procedure following this page has been removed in its entirety and replaced with a Procedure Summary. The complete and current procedure is retained within the WIPP Operating Record.

#### **Procedure Summary**

WP 02-RC.01 is a step-by-step procedure that defines site-generated non-radioactive hazardous waste and lists responsibilities of waste management organizations including the generator, waste handlers, sampling personnel, safety personnel, and compliance personnel. In addition, the procedure defines training requirements, container marking requirements, spill response, and lists waste disposal prohibitions. A Section of the procedure is focused on waste management practices including the management in satellite accumulation areas, the hazardous waste staging area (which includes, but is not limited to, materials awaiting analysis), the establishment of accumulation times, and hazardous waste disposal.

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#### **WP 02-RC.04**

The document following this page has been removed in its entirety and replaced with a Document Summary. The complete and current document is retained within the WIPP Operating Record.

#### Document Summary

WP 02-RC.04 defines the process for evaluating, tracking and maintaining the Resource Conservation and Recovery Act (**RCRA**) training requirements contained in 20.4.1.300, 500, 600, and 900 NMAC (incorporating 40 CFR §262, §264, §265, and §270). Personnel of the Waste Isolation Pilot Plant (**WIPP**) must successfully complete training consisting of classroom instruction and applicable on-the-job training. Training includes instruction in hazardous waste management procedures relevant to the position in which they are employed. The HWFP has been integrated into this plan. The WIPP Permit stipulates that within 30 days of employment, individuals working at WIPP successfully complete the General Employee Training (**GET**) class. GET provides initial RCRA training to each employee by providing instruction and information on radiation safety, emergency preparedness, spill response, safety, security, hazard communications, and a brief history and overview of the RCRA. GET also includes a policies and procedures overview and first responder awareness training in which each individual is instructed in how to initiate an emergency response sequence by notifying the Central Monitoring Room (**CMR**). Additionally, more detailed hazardous waste, emergency response and similar training may be required dependent upon the employee's job description. Those job descriptions and their associated level of training is outlined in the HWFP. This plan also addresses the mechanism for addressing changes in the employees duties, job descriptions and position.

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### **WP 10-AD3029**

The document following this page has been removed in its entirety and replaced with a Document Summary. The complete and current document is retained within the WIPP Operating Record.

#### Document Summary

WP 10-AD3029 provides the step-by-step protocols for the establishment and maintenance of a master database of monitoring and data collection (**M&DC**) equipment, the recall process for equipment needing calibration, the performance of calibrations, the management of calibration results to determine the adequacy of recall frequencies, functional testing of M&DC equipment, and reporting including out-of-tolerance reporting and expired calibration reporting. In addition, the procedure provides step-by-step process for the storage of calibrated M&DC equipment and the use of rental equipment.

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### **WP 12-HP1100**

The document following this page has been removed in its entirety and replaced with a Document Summary. The complete and current document is retained within the WIPP Operating Record.

#### Document Summary

WP 12-HP1100 provides specific methods and guidance for performing surface contamination, dose rate surveys of items, equipment, and areas. Radiological surveys are to be performed: (1) routinely, as specified by Attachment 4, Radiological Survey Frequencies, and as scheduled by the Operational Health Physics(**OHP**) Manager; (2) in association with a Radiation Work Permit (**RWP**); and/or (3) upon a special request. This procedure does not cover monitoring of personnel. The limits for performing radiological receipt surveys are driven by 10 CFR 835.

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### **WP 13-1**

The document following this page has been removed in its entirety and replaced with a Document Summary. The complete and current document is retained within the WIPP Operating Record.

#### Document Summary

WP 13-1 identifies federal and industry quality requirements applicable to the Management and Operating Contractor (**MOC**) quality assurance program. This document establishes the minimum quality requirements for MOC personnel and guidance for the development and implementation of quality assurance programs by all MOC departments. Requirements and guidance are based on criteria contained in applicable Federal Regulations, DOE Directives, EPA requirements documents, industry standards and the Department of Energy (**DOE**) Carlsbad Field Office Quality Assurance Program Document (**QAPD**). Source documents, which fall into one of three categories:

- Regulatory documents that define the requirements necessary for WIPP to be granted a certificate of compliance by the federal government and permit(s) by state governmental agencies to dispose of mixed transuranic (**TRU**) wastes in the WIPP repository
- Commitment documents that are imposed by DOE
- Guidance documents that provide additional information useful in developing quality assurance programs

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