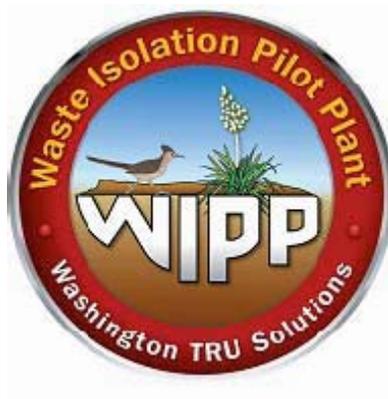


WP 04-AD.03
Revision 1

**Project Execution Plan
for
Post Indicator Valve Replacement**

Cognizant Organization: Site Operations and Disposal

Approved by: Gene Valett



**Project Execution Plan for Post Indicator Valve Replacement
WP 04-AD.03, Rev. 1**

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CHANGE HISTORY SUMMARY

Revision Number	Date Issued	Change Description
Rev. 0	12/7/09	Initial Plan
Rev. 1	12/1/10	Updated Schedule

Project Execution Plan for Post Indicator Valve Replacement WP 04-AD.03, Rev. 1

1.0 PROJECT OVERVIEW

This project execution plan (PXP) for the post indicator valve (PIV) replacement has been prepared under the guidelines of Washington TRU Solutions LLC (WTS) Project Execution Management Program, in accordance with MP 1.42, WTS Project Execution Management Program; and WP 15-GM.01, WTS Project Execution Plans.

This PXP describes the scope, schedule and budget for the PIV replacement. This project will be led by WTS.

The purpose of this project is to replace the existing fire water PIVs. The existing PIVs are leaking and have reached the end of their duty cycle. Replacing these valves will ensure a more reliable fire water system, help eliminate water waste, and systematically update the system.

The installation of new PIVs will be done using a graded approach to minimize the impact to the site and spread the costs over several years. PIV replacement will start in December 2009 and is estimated to be completed in December 2012.

2.0 CONTRACT OVERVIEW

WTS is the management and operating (M&O) contractor for the Waste Isolation Pilot Plant (WIPP) near Carlsbad, New Mexico. WTS will use WP 09-DC.01, Construction Management Plan, to perform contract overview as required.

3.0 PROJECT ORGANIZATION

The WTS Management Team will consist of the following members unless delegated in writing to the Project Manager.

Project Manager	R. Byrd
Project Engineering Manager	T. Chambers
Project Procurement	M. Friend
Project Construction Manager	R. Allen
Fire Protection Engineer	S. Butler
Industrial Safety and Hygiene	H. Brown
Facility Operations Manager	D. Parrish
Quality Assurance Engineering	M. Davis
Site Environmental Compliance	S. Jones

WTS will use the services of the site contracted construction contractor to test and install the PIVs. WTS will provide safety and construction oversight and provide quality assurance/quality control support when required.

4.0 PROJECT ADMINISTRATION

This project will be managed through a disciplined process in accordance with this PXP and the detailed schedule as it becomes available.

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5.0 PROJECT BUDGET AND SCHEDULE

The estimated total cost of the PIV installation including procurement and installation is \$486,200 unburdened.

2010 fiscal year cost will be \$150,000

2011 fiscal year cost will be \$195,000

2012 fiscal year cost will be \$238,000

Major items and milestones from the current schedule are identified below. The schedule will be updated as changes become necessary.

Project Milestones	Completion Dates
FY 2010	
Receive 10 PIVs	24Sep09
Test & Install PIV 1, 20	18Dec09
Test & Install PIV 3, 4	27Jan1010
Test & Install PIV 7, 9	23Mar10
FY 2011	
Generate PR For 8 Additional PIVs	08Nov11
Test & Install PIV 33, 34	20Oct10
Test & Install 7	25Mar11
Test & Install PIV 8	29Apr11
Test & Install PIV 9	27May11
Test & Install PIV 11	1Jul11
Test & Install PIV 14	2Aug11
Test & Install PIV 13	6Sep11
Test & Install PIV 22	29Oct11
Test & Install PIV 2	31Dec11
FY 2012	
Generate PR For 11 Additional PIVs	9Jan12
Test & Install PIV 37	24Feb12
Test & Install PIV 31	30Mar12
Test & Install PIV 21	4May12
Test & Install PIV 30	4Jun12
Test & Install PIV 24, 29	9Jul12
Test & Install PIV 6	20Aug12
Test & Install PIV 5	21Sep12
Test & Install PIV 12	29Oct12
Test & Install PIV 35, 27, 36	30Nov12

6.0 PROJECT RESOURCES

The primary resources for the WTS Project Team have been identified in Section 3.0. WTS will work on a level of effort basis to support this activity. Additional resources will be called on from existing WTS organizations as the project warrants.

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7.0 UNIQUE PROJECT CONSIDERATIONS

The only unique project consideration is to maintain the schedule and coordinate budget requirements.

8.0 ENGINEERING AND DESIGN

The Project Manager will coordinate and use WIPP site resources for all engineering functions.

9.0 PROCUREMENT AND MATERIALS MANAGEMENT

Purchasing is performed in accordance with site approved procedures. WTS operates in accordance with U.S. Department of Energy approved procedures implementing all aspects of procurement from sole source to source selection and vendor qualification. WTS Quality Assurance will provide inspection services as needed in the purchasing and testing phase of the project.

10.0 PROJECT CONTROLS

This PXP addresses the project scope, schedule and budget for this project. The PXP will be controlled to ensure revisions are processed and approved by appropriate parties.

11.0 PROJECT QUALITY PLAN

WTS will provide inspection services as needed in the purchasing and testing phase of the project as outlined in the detailed schedule. Applicable controls consistent with WP 13-1, Quality Assurance Program Description, will apply.

12.0 CONSTRUCTION

This project will use the WIPP site approved contractor to perform work. WTS will provide oversight activities on the contractor to ensure work is performed per approved design documentation and in a safe manner.

13.0 COMMISSIONING AND START-UP

Prior to installation, WTS will test the integrity of the components being installed and after installation, the operability of the installed component.

14.0 ENVIRONMENT, SAFETY, AND HEALTH

The primary objective is to have no safety incidences or injuries. To help ensure project performance and compliance, training of personnel in their specific project requirements and responsibilities is required.

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15.0 RISK MANAGEMENT PLAN

There are no unusual risks that need to be mitigated associated with this project.

16.0 PROJECT CLOSEOUT

After installation and successful testing of the installed components, this project will be closed.

17.0 PROJECT PROCEDURES

This project will use existing site approved procedures in each aspect of this project.

WP 02-AR3001, Unreviewed Safety Question Determination

WP 02-EC3801, Environmental Compliance Review and NEPA Screening

WP 04-AD3011, Equipment Lockout/Tagout

WP 04-CO.01, Conduct of Operations series

WP 09-CN3005, Graded Approach to Application of QA Controls

WP 09-CN3007, Engineering and Design Document Preparation and Change Control

WP 09-CN3023, Functional Classification Determination for Design

WP 09-DC.01, Construction Management Program

WP 10-2, Maintenance Operations Instruction Manual

WP 10-AD3007, Use and Control of Rigging Components

WP 10-WC3011, Maintenance Process

WP 12-5, Waste Isolation Pilot Plant Radiation Safety

WP 12-IS.01, Industrial Safety Program-Structure and Management

WP 15-PS3002, WTS Controlled Document Processing

WP 13-1, Washington TRU Solutions LLC Quality Assurance Program Description

WP 15-GM.01, WTS Project Execution Plans

PPE 002, WIPP Fall Protection Guide