1.0 Opening Comments and Introductions

1.1 Jon Ware, PMACWA, opened the meeting with welcome and introductions. The core members of the WIPT reviewed and made changes to the last WIPT meetings minutes. These changes will be incorporated to the 15 May 2003 meeting minutes and finalized.

1.2 Please contact either Kimberly Collins (kimberly.collins@horne.com) or individual presenters for copies of briefings and handouts. In addition to the presentations handouts included a summary of the *SAIC Transportation Assessment for PMACWA* (Attachment A) and an update on the *Communication System at PCD and PCAPP* (Attachment B). These documents, which are past actions, are attached to this meeting summary.

2.0 Update on NEPA Activities

2.1 Northwest Passage Project:

- The archeological survey has been completed with a few exceptions, and PCD is reviewing the preliminary report.
- Information is being gathered at this time to complete the EA. There is not a timeline for this EA, which will be delayed until the design of the parking lot and road is complete. However, once started it is anticipated to take approximately 4 – 5 months, including the public comment period.
- Information from the traffic study and the archeological study will be added to the EA.

2.2 Electrical Substation and Transmission Line Construction - The EA for this project was complete in January 2002, with construction due to begin soon. To monitor the excavation phase of construction, an archaeologist will be onsite during construction. ***(As reported by Chris Hambric, PCD).***

3.0 Environmental Permitting Schedule

Currently, the design effort and the drafting of the permit application are underway. The preliminary schedule to prepare and submit the first round of permit applications is as follows: ***(As presented by John McArthur, Bechtel Pueblo Team)***

- Air Construction Permit – 1st Quarter FY04
- Air Land Development Permit – 1st Quarter FY04
- RCRA Part A/B (MSB/WSB) – 1st Quarter FY04
- Stage I RD&D – 1st Quarter FY04
- CD – 1st Quarter FY04

4.0 PCAPP Pilot Testing and Technical Risk Reduction Program (TRRP) Laboratory/Bench Scale Testing

Craig Myler provided a detailed briefing on the PCAPP Pilot Testing and TRRP Laboratory/Bench Scale Testing. A copy of this briefing can be obtained by contacting the Bechtel Pueblo Team offices or Kimberly Collins at kimberly.collins@horne.com.

As part of the integrated approach, pilot testing will be considered from the beginning of the project in order to ensure success in all other phases. The objective is to demonstrate the entire plant, not just certain elements. This will be completed in 3 stages 1) shakedown/ramp-up; 2) testing; 3) post pilot testing.

- Stage 1 Goals – Build to desired permit rates and implement corrective actions. The starts and stops during this phase will help identify issues or problems.
- Stage 2 Goals – Demonstrate all systems at sustained rates and availability and obtain RCRA permit to continue. Demonstrate safe operations and acceptable RCRA operation/parameters.
- Stage 3 Goals – Obtain milestone III decision and RCRA operating permit. Operations will be reduced to half rate until the RCRA permit is issued.

Highlights of this briefing included information on a technical advisory board, which has been established and is readily available with technical expertise and real time advice. This advisory board consists of nationally recognized experts in biotreatment, chemical processes, pilot plant engineering, safety, and explosives processing.

To avoid schedule overruns, an Integrated Process Team (IPT) will be established to improve communications and avoid schedule delays due to miscommunication between stakeholders. A spiral development approach, which helps to avoid dead ends that extend the schedule, will also be implemented.

Other issues covered in this briefing include discrete event modeling, process integration, technical risks, safety risks, environmental risks, schedule risks, and cost risks and how these will be mitigated. ***(As reported by Craig Myler, Bechtel Pueblo Team).***

5.0 PCAPP TRRP Laboratory/Bench Scale Testing

Dr. Craig Myler provided an overview of the TRRP Laboratory/Bench Scale Testing, which included the purpose, technical approach, design interface, and closing. Dr. Myler explained that the technical approach is very detailed but flexible for change if necessary.

CDPHE inquired as to which analytical methods will be developed and which ones are already used at other sites. Dr. Myler responded that the majority of the analytical methods used at APG (approximately 35 – 40) had been incorporated and that there is a significant difference between the analytical requirements for neutralization and incinerations functions. While neutralization has the same monitoring requirements there are also process chemistry requirements and there are additional RCRA requirements for liquid and process streams.

Currently, three tests are underway – the HT and explosives biotreatment, propellant bag/M8 testing, and aluminum processing. Dr. Myler pointed out some problem areas with previous tests at PMATA and Tooele and indicated that the objective and scope of the HT and Explosives Biotreatment will be modified to include blending of the HT and mustard.

Dr. Myler presented a list of analytical methods, which are included on the handout for this briefing. The analytical method for the explosives is to be determined. The results are fed into the design so can adjustments can be made to the design as necessary.

CDPHE needs to approve the analytical methodologies for waste characterization (please see 6 CCR 1007-3, Section 264.13(b)(1-3)). The sampling and analytical methods used to identify the parameters necessary to safely treat, store, or dispose of hazardous waste will be described in detail in the waste analysis plan to the RCRA permit for the facility.

Currently lead has not shown up in any of tests, but it is possible; if so, it can be treated with the same process used for aluminum. Mercury has not been an issue and is not anticipated to show up in any of the tests. Aluminum is showing up in the fuses and it is necessary to keep this out since it interferes with the microbial. A test report from DuPont is available and would need to be provided by PMATA. ***(As reported by Craig Myler, Bechtel Pueblo Team).***

6.0 PCAPP RCRA Permit – OPSEC Guidelines

PCD compiled a matrix of RCRA permitting issues and OPSEC issues and distributed this information to the meeting attendees. A copy of this information can be obtained by contacting Mr. Kevin Blose (kevin.blose@us.army.mil). This matrix contains the RCRA application requirements, references, and OPSEC implementation guidelines.

Of the list of permitting issues compiled by PCD, there are 10 items, which impact OPSEC, and three main categories, which require special attention – personnel information, maps/locations, and training. Even though a specific issue may not require OPSEC review on its own, each item must be weighed with all corresponding

requirements before assuming that OPSEC is not concerned. The specific issues on the matrix were determined using the WHEAT document and a previous RCRA permit submitted by PCD in 2002.

CDPHE will review the list of permit application requirements on the matrix and provide feedback to Kevin Blose. ***(As reported by Kevin Blose, PCD).***

7.0 Actions

Item	Description	Responsible Person(s)	Suspense	Status
Item 30	Forward detailed environmental sub-schedule to Ms. Lisa Woodward, CDPHE.	Jon Ware, PMACWA	July 2003.	HOLD
Item 34	Prepare point of contact listing for potential questions from the Pueblo community.	Jeannine Natterman, CDPHE	August 2002.	Update as Needed
Item 70	Finalize Human Health Risk Assessment for Neutralization Biotreatment technology.	Jon Ware, PMACWA	This item will be postponed until the facility design is complete.	HOLD
Item 79	Provide information to CDPHE on the stability of the chemical compounds in and the conditions of the energetic components for the transportation study.	Jerry Starnes, PMACWA	Report on this information is forthcoming.	Open
Item 82	Notify the WIPT members when the ACWA ROD is signed and available for distribution.	Kimberly Collins, Horne Engineering	Next WIPT Meeting.	Open
Item 84	Provide a copy of the Water Rights and Ground Water Supply Evaluation report to the WIPT members.	Scott Susman, PMACWA	This report was completed and will be distributed by Kevin Blose via CD or PDF to the WIPT Core members.	Open
Item 85	Update CO Environmental WIPT meeting summaries/minutes on the CDPHE website. The updated information should be provided to Jeannine Natterman, CDPHE.	Kimberly Collins, Horne Engineering	Before next WIPT meeting.	Ongoing

Item	Description	Responsible Person(s)	Suspense	Status
Item 86	Prepare a dose response curve for accident scenarios (EONC vs MAV Report, Page 8, Section 6) in response to CDPHE request.	Andy King, Jacobs Engineering	This information is currently in OPSEC review waiting on clearance.	Open
Item 90	Complete the TRA when supporting information is received from Bechtel Pueblo.	SAIC (Andy King, Jacobs Engineering to report)	As information is available.	Open
Item 91	Review the 6 CCR 1007-3, Section 100.41 requirements for traffic and report back to the WIPT on how these requirements may affect the TRA being prepared by SAIC.	ACWA	Next WIPT Meeting.	Open
Item 92	Review the "PCAPP RCRA Permit OPSEC Guidelines" developed by PCD and provide feedback on application requirements.	CDPHE	Next WIPT Meeting.	Open
Item 93	Provide information to CDPHE on the analytical methods as presented by Craig Myler at the 10 July WIPT.	Bechtel Pueblo Team	As available.	Open

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Attachment A – SAIC Transportation Assessment for PMACWA

Study Requirements

Colorado Revised Statutes 25-15-501 is the State Hazardous Waste Incinerator or Processor Siting Act. It requires any person desiring to own or operate a hazardous waste incinerator or processor to first obtain a Certificate of Designation (CD) from the governing body having jurisdiction over the proposed site. Grounds for CD approval cover many factors, including a conclusion that the proposed hazardous waste incinerator or processor site would not pose a significant threat to the health or safety of the public or environment, taking into consideration: 1) the density of the population in the areas neighboring the site; 2) the density of the population in the areas which are adjacent to any portion of delivery roads to such proposed site and which lie within a fifty-mile radius of the proposed site; and 3) the risk of accidents occurring during the transportation of waste to or at the proposed site.

In addition to the Colorado state requirement, the Pueblo County regulations governing the application for and issuance of a CD for a hazardous waste incinerator or processor site requires the anticipated access routes to be used to and from the site be included in the CD submittal.

Scope

The SAIC transportation assessment will evaluate the movement of all materials and wastes to, from and within the Pueblo Chemical Depot (PCD) in support of the construction, systemization, operation, and closure phases of the Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP). It will primarily be performed to meet the information requirements for the Pueblo County CD, but will also include transportation information to support the Resource Conservation and Recovery Act (RCRA) permit.

In order to address the CD requirements, the study will identify likely transportation routes within a 50-mile radius of the PCAPP. Specific routes have not yet been identified at this point since supply and disposal contracts have not yet been finalized. Also included in the transportation assessment will be a comparison of the truck traffic during the PCAPP phases to current Pueblo truck and car traffic, as well as to truck traffic generated by local industrial facilities. This traffic can indirectly affect risk to movements of waste. In addition, the study will look at local vehicle accident rates, local population growth, past PCD shipment data, and PCAPP hazardous materials traffic as categorized by US Department of Transportation (DOT) regulations. The transportation assessment scope will be consistent with the following assumptions:

Issue	Assumption
PCAPP Design Version	To be consistent with Bechtel intention to build as-conceived design
Materials	On-site processing of all secondary waste (e.g., no hydrolysate or energetics shipped off-site) Process wastes (e.g. sludge, ash, metal) will be shipped off-site.
Personnel	All PCAPP staff located on PCD site
Routes	• During Construction, running route 3 and Route 50 used for all PCAPP truck & POV traffic until NW passage is complete; NW passage will be used exclusively from that point on until closure. • No use of rail spur
Radius of Traffic Analysis	50 miles from PCD

The current study differs from the transportation assessment performed by SAIC for the Pueblo site in July 2001 in that it: (a) concentrates on the proposed neutralization technology rather than the incinerator technology, (b) considers the use of the Northwest passage as the primary traffic conduit to the PCAPP site rather than the PCD entrance on Route 50, (c) contains an on-site transportation analysis including a comparative assessment of EONCs vs. MAVs for use in on-site transport of munitions from storage to the processing facility, and (d) includes the last three years-worth of local Pueblo traffic and accident data, as well as other population and hazmat statistics that may have been updated in the interim.

The Transportation Risk Assessment (TRA) completed by Argonne National Laboratory (ANL) in April 2003 evaluated the cargo and vehicle injury and fatality transportation risks associated with transporting the waste for off-site treatment and disposal for three specific waste treatment options, given the number of shipments, specific treatment facility locations and transport distances associated with these options. In contrast, the current SAIC study will evaluate the impact of the PCAPP on local truck traffic (given current traffic and accident rate statistics) and local population (considering estimated PCAPP staffing). Further, in the ANL TRA, secondary wastes and energetics were assumed to be shipped off-site for treatment, while the current analysis will assume on-site treatment of these products.

Attachment B – Communication System at PCD and PCAPP

The PCAPP area has a new communication system that has to interface with PCD's existing system. Over the past 6 months, PCD has replaced the old depot telephone system with updated, state-of-the-art components. All major components of the system are now modernized, compatible and consistent with the PCAPP system. The power supply (the component that caused the outage last year), has been totally replaced (new rectifiers, inverters, and batteries).

The overall system for PCD and PCAPP includes several layers of redundancy to prevent loss of communication in the future. These include:

- The new systems at PCAPP and PCD interconnected with newly installed optical fiber as the main communication system internal to the depot and to the outside world.

- A radio system that ties in all operations with security and emergency services. This system has recently been re-designed and is in the process of under-going approximately $2 million in upgraded components.

- Back-up cell phone communication for all essential personnel.