PFP Project Managers Meeting
Federal Building/Room 248
Richland, Washington
November 20, 2003
2:00 p.m. – 3:20 p.m.
**Meeting Minutes Transmittal**

0060958

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The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.

E Mc Matthis for
S. L. Charboneau, PFP Project Manager, DOE-RL

Date: 12/11/03

Frederick W Bond
F. W. Bond, Project Manager,
Washington State Department of Ecology

Date: 12/11/03

PFP, FH Concurrence:

Andrea Hopkins
A. M. Hopkins, Contractor Representative, FH

Date: 12-11-03

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Purpose: Project Managers Meeting

Attachment 1: Agenda, Action Item List and Summary of Discussions
Attachment 2: Presentation Materials
Attachment 3: Attendee List

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PFP Project Managers Meeting
Federal Building/Room 248
Richland, Washington
November 20, 2003
2:00 p.m. – 3:20 p.m.
**Meeting Minutes Transmittal**

## Attachment 1: Agenda, Action Tracking List & Summary Discussions

1.0 Administrative Issues

a. The meeting minutes from the October 9, 2003 PFP Project Managers Meeting (PMM) were approved.
b. The Action Tracking List was reviewed by participants; three actions are being tracked. See Action Tracking List included at the end of these minutes for updates.

2.0 PFP Project Item Status

3.0 Milestone status

- M83-30 SUBMIT TO ECOLOGY A CLOSURE PLAN AS A PRIMARY DOCUMENT FOR THE 241-Z WASTE TREATMENT FACILITY (TSD UNIT) AND GLOVEBOX HA-20MB **DUE 7/31/03.**

  ✓ **Status: COMPLETED.** RL proposes at least one meeting with Ecology, prior to the Christmas holidays, to go over comments. Item #1 of Attachment 2 provides details.

- M83-20 SUBMIT FACILITY TRANSITION END POINT CRITERIA DOCUMENT AS A PRIMARY DOCUMENT TO ECOLOGY PURSUANT TO AGREEMENT ACTION PLAN SECTION 8.5.3 **DUE 9/30/03.**

  ✓ **Status: COMPLETED.** Karl Herzog is working on Ecology comments. The EPC document can go out for public comment after completion of comment disposition.

- M83-12 –T01 SUBMIT PFP LEGACY PU HOLDUP REMOVAL PLAN TO ECOLOGY **DUE 12/31/03.**

  ✓ **Status:** Jim Lilly. On schedule. The plan was submitted to RL on September, 16 2003. Presented as Item #2 of Attachment 2. RL letter was sent to Ecology on 10/15/03, but there was some discussion as to whether the Plan was attached. RL has action to provide the attachment.

- M83-13 COMPLETE REPACKAGING OF PFP RESIDUES AND SHIPMENT TO CENTRAL WASTE COMPLEX **DUE 4/30/04.**

- ✓ **Status:** Andrea Hopkins. On schedule. Two notable achievements are 1) The solid sample audit was completed successfully; and 2) WIPP will now accept the OX/MOX materials. The change request is in RL concurrence; Ecology is expected to sign as no issues have been identified.

- M83-31 DISCONTINUE WASTE DISCHARGES FROM 241-Z TANKS TO TANK FARMS VIA EXISTING LINES **DUE 6/30/05**.

  - ✓ **Status:** Andrea Hopkins. On schedule. Schedule may be jeopardized by NOC issues. See Item #3 of Attachment 2 for details.

- M83-40 COMPLETE TRANSITION AND DISMANTLEMENT OF THE 232-Z BLDG INCINERATOR TO SLAB-ON-GRADE (PENDING ENVIRONMENTAL DETERMINATION) **DUE 9/30/06**.

  - ✓ **Status:** Dennis Takasumi. On schedule. Initial Decontamination and Decommissioning (D&D) began on September 22, 2003. Item #4 of Attachment 2 provides additional details and includes a summary of the status of the environmental and safety documentation.

- M83-14 COMPLETE 100% OF THE LEGACY PU HOLDUP REMOVAL AS DEFINED IN THE LEGACY PU HOLDUP REMOVAL PLAN FOR PFP REQUIRED BY MX-83-12-T01 **DUE 9/30/06**.

  - ✓ **Status:** Jim Lilly. On schedule. Jim Lilly discussed the project details that are presented in Item #5 of Attachment 2.

4.0 New Topics.

- Tour of PFP is being scheduled for Ecology. Tentative date is December, 2, 2003 but this may be moved to allow for attendance by J. Ayres.
- Karl Hadley informed Ecology that there would be some dirt movements occurring outside the PFP fence perimeter, but these were not associated with D&D activities.

5.0 Next Meeting – December 11, 2003, 3:30 to 4:30, Federal Building. Room 248.

PFP Project Managers Meeting
Federal Building/Room 248
Richland, Washington
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## ACTION TRACKING LIST

| Action | Assignee | Date Established/ Due Date | Status |
|---|---|---|---|
| (1) Contact the Nez Perce regarding interest in providing input to the End Point Criteria document. | R. Bond | September 18, 2002/ September 30, 2003 | R. Bond has requested comment from Nez Perce but no comments have been received. Rick will contact Nez Perce one more time to allow for comments. |
| (2) Status scope of chemical mitigation activities. Report status quarterly. | A. Hopkins J. Lilly | February 19, 2003. **Next status due March, 2004.** | Jim Lilly provided schedule (Attachment 2, Item #6) showing details for 234-5Z (permanganate oxalic acid), Room 264 (nitric acid), 236-Z Chemical lines (nitric acid), and Room 263 (nitric acid). |
| (3) IPMP update | B. Heineman | Due August, 2003 | No status as Bob was not in attendance. |
| | | | |
| | | | |

# Attachment 2: Presentation Materials

Item 1 - M83-30 Status

Item 2 - M83-12-T01 Status

Item 3 - M83-31 Status

Item 4 - M83-40 Status

Item 5 - M83-14 Status

Item 6 – Schedule for major chemical mitigation activities

# Attachment 3: Attendee List

## ATTENDEES:

J. Ayres, Ecology
R. Bond, Ecology
K. Hadley, FH
A. Hopkins, FH
J. Lilly, FFS
E. Mattlin, RL
Michael Minette, FH
R. Piippo, FH
S. Ritts, FH
D. Takasumi, FH

**Attachment 2 – Items #1 & #3**

PFP November 20, 2003 PMM
**Status of M83-30 & M83-31**
Jerry Johnston
FH PM for 241-Z Transition

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**M83-30**

**Scope**
Submit to Ecology a closure plan as a primary document for the 241-Z Waste Treatment Facility (TSD Unit) and Glovebox HA-20MB – Due 7/31/03

- Milestone Complete - Closure Plan transmitted to Ecology on July 25, 2003.

**Closure Plan Follow-On Activities:**

- Letter from Ecology with comments on Closure Plan received 10/16/03.
- Draft comment responses to Ecology by 12/8/03.
- Would like to schedule a workshop with Ecology the week of 12/15/03.

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**M83-31**

**Scope**
Discontinue waste discharges from 241-Z Tanks to Tank Farms via existing lines - Due 6/30/05

**Status**

- Approval Status of 241-Z Notice of Construction (NOC) Rev. 2
    - All open issues on WDOH draft Conditions and Limitations resolved 11/14/03
    - WDOH transmitted formal draft Conditions and Limitations on 11/17/03
    - Formal RL response approving draft Condition and Limitations issued 11/TBD/03
    - WDOH transmitted final Conditions and Limitations on 11/TBD/03

- Hardware problems have delayed the waste transfer from 241-Z to Tank Farms that was initially planned for September. New positive displacement transfer pumps will be installed (pending NOC approval) on Tank D5 to support a tentative transfer window in early December.

- The 241-Z vault decontamination work is now planned to start in January of 2004.

## Attachment 2 – Items #2 & #5

PFP November 20, 2003 PMM
Jim Lilly
Legacy Holdup

**M83-12-T01**

Scope
Submit PFP Legacy Pu Holdup Removal Plan to Ecology – Due 12/31/03

Status of PFP Legacy Pu Holdup Removal Plan:

- Legacy Holdup Removal Plan re-submitted (9/16/03) to RL.

**M83-14**

Scope
Complete 100% of the legacy Pu holdup removal as defined in the legacy Pu holdup plan for PFP required by M-83-12-T01 - Due 9/30/06

Status

- Legacy holdup removal field crews completed the final cleanout activities of glovebox HC-7C in 234-5Z.
- Legacy field crews continued in 236-Z building (PRF) on MT Glovebox (five each) holdup removal
    - Glovebox holdup removal activities on MT-5 are complete and awaiting final NDA.
    - Glovebox holdup removal activities on MT-6 are approximately 90% complete with all pipe and equipment disassembly complete.
    - Removal activities on MT-5 and MT-6 have generated over nineteen barrels of debris to date.
    - Planning is complete on work packages for the next gloveboxes, MT-1 and MT-3.
- Legacy field crews continued on removal activities from Glovebox HC-9B, (80% complete).
    - Field crews removed the loose holdup material on the upper floor of the glovebox and removed.
    - Removal crews have disassembled the calciner (cut its five foot auger into three pieces) the rotary valve and the drum filter in preparation of sealing out this equipment.
    - Fifteen - 55 gallon containers of debris removed to date.
- Documentation for 234-5Z building glovebox HA-7A holdup removal ongoing for a planned December/January start of Field work.
- Engineering evaluation and planning work continues on developing performance specifications (based on results from an August PRF Canyon Workshop) for obtaining 'best technology' to remove legacy holdup from 236-Z Canyon Floor.
- Legacy Holdup Removal activities are 10% complete and on schedule.

**Attachment 2 – Item #4**

PFP November 20, 2003 PMM
**Status of M83-40**
Dennis Takasumi
FH PM for 232-Z

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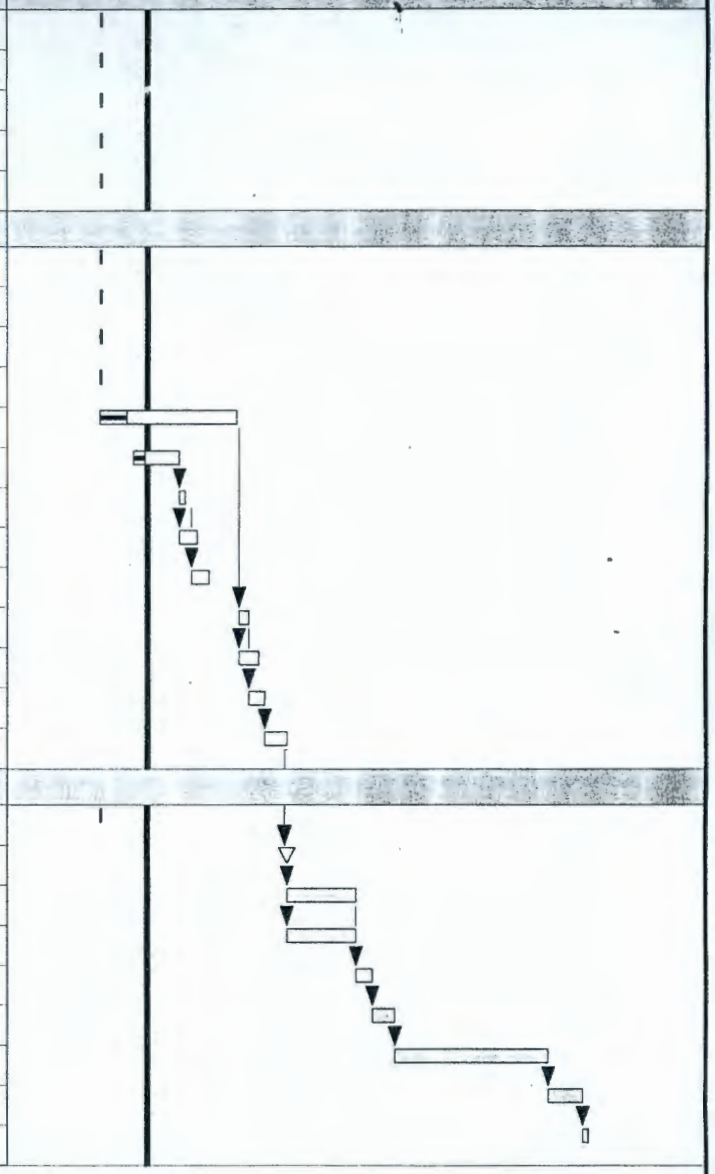
M83-40 COMPLETE TRANSITION AND DISMANTLEMENT OF THE 232-Z BLDG INCINERATOR TO SLAB-ON-GRADE (PENDING ENVIRONMENTAL DETERMINATION) DUE 9/30/06

1. Project is currently on schedule to complete transition and dismantlement of 232-Z on or before 9/30/06.

2. Initial D&D activity started September 22, 2003 under 232-Z Cx.
   a) Startup Readiness Review completed and Authorization to Proceed with D&D granted Friday, 9/19/03.
   b) Glovebox process equipment removal initiated Monday, 9/22/03.
   c) Glovebox loose debris removal completed 10/8/03.
   d) Large debris within glovebox requiring size reduction completed 10/23/03.
   e) Continuing process equipment removal in November and December.

3. Environmental & Safety Documentation
   a) Categorical Exclusion for activities except demolition approved by DOE 11/12/02
   b) Documented Safety Analysis (DSA) for all project work approved by DOE 12/24/02, implemented 6/4/03.
   c) Criteria Air Emissions New Source Review (NSR) approved by Ecology 12/18/02
   d) Radioactive Air Emissions Notice of Construction (NOC) approved by WDOH 9/03/03.
   e) Engineering Evaluation/Cost Analysis (EE/CA) initiated 10/15/02. EE/CA has been revised to incorporate all EPA, Ecology & DOE-RL comments.
      - 7/01/03 EE/CA transmitted to Ecology/EPA for review and issuance for public comment.
      - 9/25/03 & 11/3/03 Ecology comments being incorporated except for diagram; additional document revisions being made to meet classification requirements. FH expects to transmit to DOE 11/24/03.
      - 11/14/03 – Issued 30 day notification of Public Comment
      - Public Comment Period planned for 12/15/03 – 01/30/04
      - Approval required 4/30/04 to support demolition start up activities and potential acceleration.
   f) The DQO and SAP preparation has been initiated the week of 9/8/03. Review of Steps 1-5 of draft DQO document conducted 10/08/03. DQO 1st draft distributed 11/17/03

| Act ID | Activity Description | Orig Dur | Prct Comp | Early Start | Early Finish | RESP |
|---|---|---|---|---|---|---|
| **#2 & #30/#24 Permangate Oxalic Acid - 234-5Z** | | | | | | |
| **2Z-03-00449 Work Package** | | | | | | |
| **Prepare and Issue FMPs** | | | | | | |
| JLC2200 | Identify changes requiring FMPs | 3 | 100 | 10/20/03A | 10/20/03A | HAM |
| JLC2205 | Write FMPs | 5 | 100 | 10/20/03A | 10/20/03A | HAM |
| JLC2210 | Perform USQ screenings on FMPs | 3 | 100 | 10/20/03A | 10/20/03A | HAM |
| JLC2215 | Obtain FMP approvals | 2 | 100 | 10/20/03A | 10/20/03A | HAM |
| JLC2220 | Incorporate FMPs into work packages | 1 | 100 | 10/20/03A | 10/20/03A | HAM |
| **Prepare Work Package** | | | | | | |
| | Identify Work & Generate WP Information | 1 | 100 | 10/20/03A | 10/20/03A | HAM |
| | Field Walk Down | 1 | 100 | 10/20/03A | 10/20/03A | HAM |
| | AJHA | 6 | 100 | 10/20/03A | 10/20/03A | HAM |
| | Criticality Control | 5 | 100 | 10/20/03A | 10/20/03A | HAM |
| | Work Package Preparation | 15 | 20 | 10/20/03A | 12/31/03 | HAM |
| | RWS (Rad Work Screening H.M.L.) | 7 | 25 | 11/07/03A | 12/01/03 | HAM |
| | AMW (ALARA Mgt. Worksheet) | 3 | 0 | 12/02/03 | 12/04/03 | HAM |
| | * ALARA Documentation (High or Medium) | 7 | 0 | 12/02/03 | 12/10/03 | HAM |
| | RWP | 7 | 0 | 12/08/03 | 12/16/03 | HAM |
| | Assemble Work Package | 3 | 0 | 01/02/04 | 01/06/04 | HAM |
| | Facility Lock and Tag | 7 | 0 | 01/02/04 | 01/12/04 | HAM |
| | Final Approval and Release | 7 | 0 | 01/07/04 | 01/15/04 | HAM |
| | Schedule | 7 | 0 | 01/16/04 | 01/26/04 | HAM |
| **Perform Work** | | | | | | |
| JLC3000 | Identify chem. lines to be clean (Complete) | 15 | 100 | 10/20/03A | 10/20/03A | |
| JLC2075 | Start Field Work | 0 | 0 | | 01/26/04 | HAM |
| JLC2080 | Break permanganate/oxalic lines above glovebox | 25 | 0 | 01/27/04 | 03/02/04 | HAM |
| JLC2085 | Drain lines | 25 | 0 | 01/27/04 | 03/02/04 | HAM |
| JLC2100 | Disconnect electrical from flowmeter | 7 | 0 | 03/03/04 | 03/11/04 | HAM |
| JLC2105 | Deactivate and remove flowmeter | 7 | 0 | 03/12/04 | 03/22/04 | HAM |
| JLC2090 | Disconnect lines and remove | 57 | 0 | 03/23/04 | 06/10/04 | HAM |
| JLC2095 | Dispose waste | 12 | 0 | 06/11/04 | 06/28/04 | HAM |
| JLC2110 | Closeout Project | 3 | 0 | 06/29/04 | 07/01/04 | |




Attachment 2 – Item #6

Start Date 10/01/03
Finish Date 07/28/04
Data Date 11/15/03
Run Date 11/18/03 14:15

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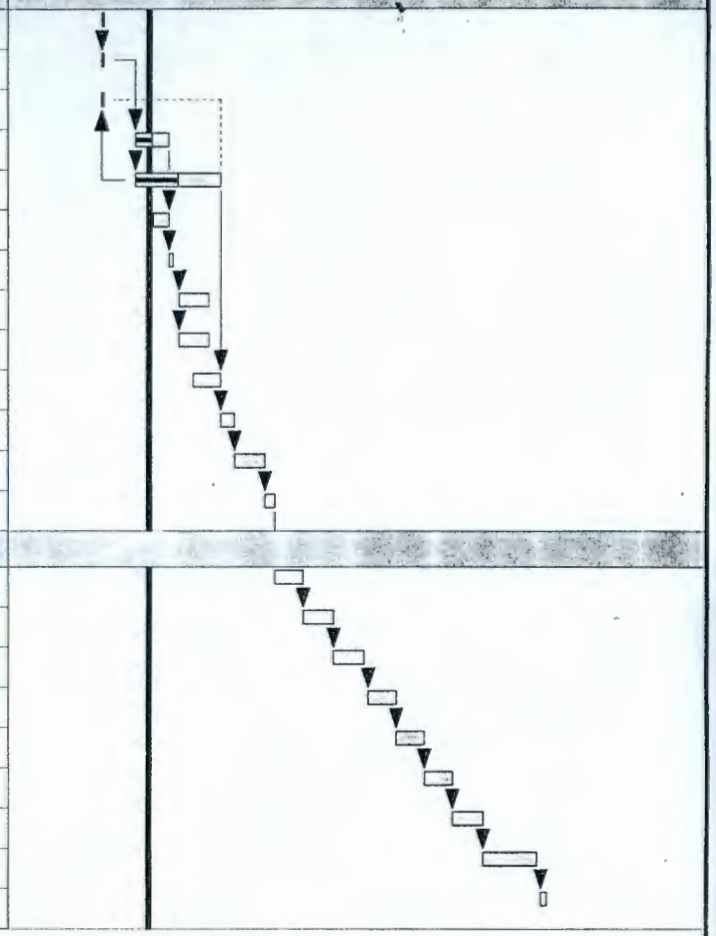
**CHEM VULNERABILITY SCHEDULE**


CHEM
Chem Vulnerability Schedule
A Organized by Schedule, WP, Group
All

| Act ID | Activity Description | Orig Dur | Prct Comp | Early Start | Early Finish | RESP |
|---|---|---|---|---|---|---|
| **#29 Room 264 Nitric Acid Schedule** | | | | | | |
| **Work Package Not Identified** | | | | | | |
| **Prepare Work Package** | | | | | | |
| JLE2010 | Identify Work & Generate WP Information | 1 | 100 | 10/20/03A | 10/20/03A | SWETT |
| JLE2015 | Field Walk Down | 1 | 100 | 10/20/03A | 10/20/03A | SWETT |
| JLE2035 | Criticality Control | 5 | 100 | 10/20/03A | 10/20/03A | SWETT |
| JLE2020 | AJHA | 12 | 50 | 11/07/03A | 11/24/03 | SWETT |
| JLE2030 | Work Package Preparation | 30 | 50 | 11/07/03A | 12/22/03 | SWETT |
| JLE2025 | RWS (Rad Work Screening H.M.L.) | 6 | 0 | 11/17/03 | 11/24/03 | SWETT |
| JLE2040 | AMW (ALARA Mgt. Worksheet) | 2 | 0 | 11/25/03 | 11/26/03 | SWETT |
| JLE2045 | RWP | 11 | 0 | 12/01/03 | 12/15/03 | SWETT |
| JLE2050 | * ALARA Documentation (High or Medium) | 11 | 0 | 12/01/03 | 12/15/03 | SWETT |
| JLE2055 | Facility Lock and Tag | 11 | 0 | 12/08/03 | 12/22/03 | SWETT |
| JLE2060 | Assemble Work Package | 3 | 0 | 12/23/03 | 12/29/03 | SWETT |
| JLE2065 | Final Approval and Release | 11 | 0 | 12/30/03 | 01/14/04 | SWETT |
| JLE2070 | Schedule | 3 | 0 | 01/15/04 | 01/19/04 | SWETT |
| **Perform Work** | | | | | | |
| JLE3000 | Design/Fab Glovebags | 11 | 0 | 01/20/04 | 02/03/04 | SWETT |
| JLE2075 | Install Scaffolds | 11 | 0 | 02/04/04 | 02/19/04 | SWETT |
| JLE2080 | Install Glovebags | 11 | 0 | 02/20/04 | 03/05/04 | SWETT |
| JLE2085 | Disconnect Rm264 Nitric Acid Pipe | 11 | 0 | 03/08/04 | 03/22/04 | SWETT |
| JLE2100 | Dran and Blow Lines Clear | 11 | 0 | 03/23/04 | 04/06/04 | SWETT |
| JLE2105 | Flush and Blow Lines | 11 | 0 | 04/07/04 | 04/21/04 | SWETT |
| JLE2090 | Cap Lines | 11 | 0 | 04/22/04 | 05/06/04 | SWETT |
| JLE2095 | Dispose of Waste Solutions | 20 | 0 | 05/07/04 | 06/04/04 | SWETT |
| JLE2110 | Closeout Package | 3 | 0 | 06/07/04 | 06/09/04 | SWETT |




Start Date 10/01/03
Finish Date 07/28/04
Data Date 11/15/03
Run Date 11/18/03 14:15

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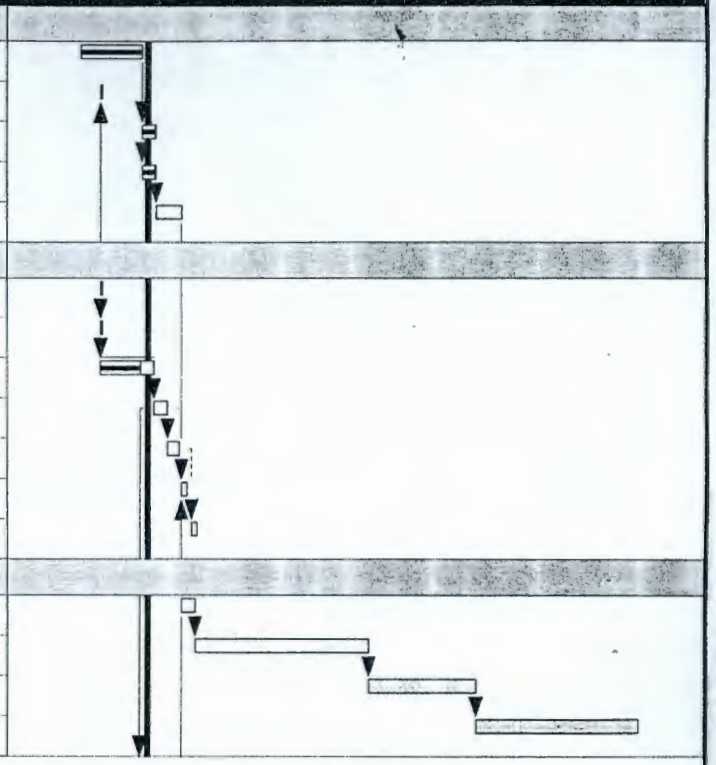
**CHEM VULNERABILITY SCHEDULE**

| Act ID | Activity Description | Orig Dur | Prct Comp | Early Start | Early Finish | RESP |
|---|---|---|---|---|---|---|
| **#321 Chemical Lines 236-Z Nitric Acid** | | | | | | |
| **Work Package Not Identified** | | | | | | |
| **Prepare and Issue FMPs** | | | | | | |
| JLB2040 | Write FMPs (55 disconnection points) | 10 | 100 | 10/10/03A | 11/11/03A | STEACH |
| JLB2035 | Identify changes requiring FMPs | 3 | 100 | 10/20/03A | 10/20/03A | STEACH |
| JLB2045 | Perform USQ screenings on FMPs | 8 | 95 | 11/12/03A | 11/18/03 | STEACH |
| JLB2050 | Obtain FMP approvals | 5 | 95 | 11/12/03A | 11/18/03 | STEACH |
| JLB2055 | Incorporate FMPs into work packages | 8 | 0 | 11/19/03 | 12/02/03 | STEACH |
| **Prepare Work Package** | | | | | | |
| JLB2000 | Identify chem. lines to be clean (Complete) | 3 | 100 | 10/20/03A | 10/20/03A | STEACH |
| JLB2005 | Identify method of opening MOV's on chemical lin | 4 | 100 | 10/20/03A | 10/20/03A | STEACH |
| JLB2010 | Write work sequence plan | 4 | 75 | 10/20/03A | 11/17/03 | STEACH |
| JLB2015 | Generate JCS package | 5 | 0 | 11/18/03 | 11/24/03 | STEACH |
| JLB2020 | Obtain RWP for breaking lines | 8 | 0 | 11/25/03 | 12/01/03 | STEACH |
| JLB2025 | Perform AJHA | 9 | 0 | 12/03/03 | 12/05/03 | STEACH |
| JLB2030 | Obtain subject matter review and approvals | 3 | 0 | 12/08/03 | 12/10/03 | STEACH |
| **Perform Work** | | | | | | |
| JLB2065 | Install quick connect on source end of chem line | 5 | 0 | 12/03/03 | 12/09/03 | STEACH |
| JLB2070 | 1 - Blow/Flush/Clear Open Lines | 60 | 0 | 12/10/03 | 03/08/04 | STEACH |
| JLB2075 | 2 - Blow/Flush/Clear Capped Lines & Chem Prep | 40 | 0 | 03/09/04 | 05/03/04 | STEACH |
| JLB2080 | 3 - Removed Plugged Lines | 60 | 0 | 05/04/04 | 07/28/04 | STEACH |



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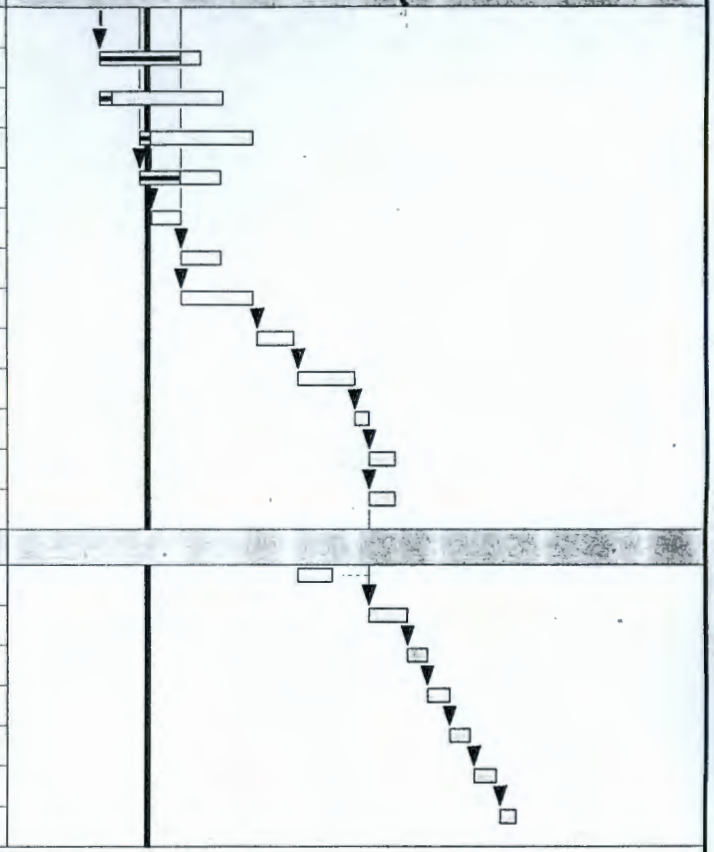
| Act ID | Activity Description | Orig Dur | Prct Comp | Early Start | Early Finish | RESP |
|---|---|---|---|---|---|---|
| **# 1 HNO3 Lines in Room 263** | | | | | | |
| **Work Package Not Identified** | | | | | | |
| **Prepare and Issue FMPs** | | | | | | |
| JLD2000 | Identify chem. lines to be clean (Complete) | 1 | 100 | 10/20/03A | 10/20/03A | DILLSI |
| JLD2010 | Mitigate Dilute HN03 Lines in Rm 263 WK Plan | 2 | 80 | 10/20/03A | 12/12/03 | DILLSI |
| JDL2011 | Mitigate Concentrated HN03 Lines Rm 263 WK Plan | 2 | 10 | 10/20/03A | 12/24/03 | DILLSI |
| JLD2015 | Generate JCS package | 10 | 10 | 11/10/03A | 01/09/04 | DILLSI |
| JLD2020 | Obtain RWP for breaking lines | 15 | 50 | 11/11/03A | 12/23/03 | DILLSI |
| JLD2035 | Identify changes requiring FMPs | 10 | 0 | 11/17/03 | 12/02/03 | DILLSI |
| JLD2025 | Perform AJHA | 15 | 0 | 12/03/03 | 12/23/03 | DILLSI |
| JLD2040 | Write FMPs | 25 | 0 | 12/03/03 | 01/09/04 | DILLSI |
| JLD2045 | Perform USQ screenings on FMPs | 15 | 0 | 01/12/04 | 01/30/04 | DILLSI |
| JLD2050 | Obtain FMP approvals | 20 | 0 | 02/02/04 | 03/01/04 | DILLSI |
| JLD2055 | Incorporate FMPs into work packages | 15 | 0 | 03/02/04 | 03/08/04 | DILLSI |
| JLD2030 | Obtain subject matter review/approvals-Dilute | 8 | 0 | 03/09/04 | 03/22/04 | DILLSI |
| JLD2031 | Obtain subject matter review/approvals-Conc | 8 | 0 | 03/09/04 | 03/22/04 | DILLSI |
| **Perform Work** | | | | | | |
| JLD2065 | Install Scaffolds | 13 | 0 | 02/02/04* | 02/19/04 | DILLSI |
| JLD2075 | Disconnect Pipe | 15 | 0 | 03/09/04* | 03/29/04 | DILLSI |
| JLD2080 | Drain and Blow Lines Clear | 8 | 0 | 03/30/04 | 04/08/04 | DILLSI |
| JLD2085 | Flush and Blow Lines | 8 | 0 | 04/09/04 | 04/20/04 | DILLSI |
| JLD2090 | Cap Lines | 8 | 0 | 04/21/04 | 04/30/04 | DILLSI |
| JLD2095 | Dispose of Waste Solutions | 10 | 0 | 05/03/04 | 05/14/04 | DILLSI |
| JLD2100 | Closeout Package | 6 | 0 | 05/17/04 | 05/24/04 | DILLSI |

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**CHEM VULNERABILITY SCHEDULE**


CHEM
Chem Vulnerability Schedule
Organized by Schedule, WP, Group
All

PFP Project Managers Meeting
Federal Building/Room 248
Richland, Washington
November 20, 2003
2:00 p.m. – 3:20 p.m.
**Meeting Minutes Transmittal**

**Distribution:**

| | | |
|---|---|---|
| Jeff M. Ayres | Ecology | B5-18 |
| D. Bartus | EPA | B5-18 |
| F. W. Bond | Ecology | B5-18 |
| S. L. Charboneau | RL | A6-33 |
| D. A. Faulk | EPA | B5-01 |
| K. A. Hadley | FH | T5-57 |
| J. B. Hebdon | RL | A5-15 |
| R. E. Heineman | FH | R3-61 |
| A. M. Hopkins | FH | H5-24 |
| J. T. Lilly | FFS | R3-56 |
| E. M. Mattlin | RL | A5-15 |
| B. B. Nelson-Maki | FH | T5-57 |
| S. H. Norton | FH | T1-40 |
| R. E. Piippo | FH | A4-25 |
| C. J. Simiele | FH | T5-51 |
| C. S. Sutter | FH | T5-50 |
| D. S. Takasumi | FH | R3-56 |
| M. Talbot | FH | T5-47 |

ADMINISTRATIVE RECORD (two copies): A4-25
Debbi Isom (two copies): H6-08

Please send comments on distribution list to Rob Piippo, A4-25 (373-3285).