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**Department of Energy**  
Albuquerque Operations Office  
P. O. Box 5400  
Albuquerque, New Mexico 87185-5400

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DNF SAFETY BOARD

The Honorable John T. Conway  
Chairman  
Defense Nuclear Facilities Safety Board  
625 Indiana Avenue, N.W.  
Suite 700  
Washington, D.C. 20004

Dear Mr. Chairman:

Consistent with the Department's Implementation Plan (IP) for the Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 98-2, Revision 1, enclosed is the quarterly report for the period October 1 through December 31, 2001.

During this reporting period, the Department delivered one commitment and made progress on others. Sixteen out of twenty-six commitments have been delivered, with five overdue.

On February 14, 2002, the Director, Office of Amarillo Site Operations, and the Manager, BWXT Pantex, provided the Board the quarterly briefing. Time constraints prevented the presentation of the customary accounting by commitment. A copy of the viewgraphs providing this accounting is included for your information.

If you have any questions, please contact me at 505-845-6050, or have your staff contact Dan Glenn at 806-477-3182 or Luis Paz at 505-845-5059.

W. John Arthur, III  
Manager

Enclosures

cc w/enclosures:  
J. McConnell, DNFSB  
W. Andrews, DNFSB  
M. Whitaker, S-3.1, HQ  
D. Beck, NA-12, HQ



Printed on recycled paper

bcc w/enclosures:

J. Underwood, NA-124  
C. Robinson, S-3.1  
M. Reaka, OASO/PWT

bcc w/o enclosures:

E. Morrow, NA-10  
M. Schoenbauer, NA-121  
W. Sigmond, NA-122.2  
S. Goodrum, OWPM  
L. Paz, OWPM  
S. Schwartz, OWPM  
D. Glenn, OASO  
S. Erhart, OASO  
D. Brunell, OASO  
D. Ruddy, BWXT Pantex

# **Quarterly Report for the Implementation Plan**

**Defense Nuclear Facilities Safety Board  
Recommendation 98-2**

***Accelerating Safety Management Improvements  
at the Pantex Plant***

**October 1 through December 31, 2001**

***Albuquerque Operations Office  
U.S. Department of Energy***

## 1.0 Introduction

On September 25, 2000, the Department submitted Revision 1 to the 98-2 Implementation Plan (IP) for DNFSB acceptance. Although the Board has not accepted the 98-2 Revision 1, the Department is completing the commitments made within the revised IP. The following quarterly report is for the period October 1 through December 31, 2001, and tracks progress made towards completing the commitments outlined in the revised 98-2 IP.

## 2.0 General Progress

From October 1 through December 30, 2001, the following occurred:

- The Department delivered commitment 4.1.2, "Assessment of TBP-901 Implementation" on time and delivered the past due commitment 4.4.3, Revisions to Corresponding AL Supplemental Directives 452.1 and 452.2 to align with published changes to DOE O 452.1B and 2B and DOE-STD-3015.
- Since delivery of the 98-2 Revision 1 to the DNFSB, the Department has delivered 16 out of the 26 commitments due. Four of the 10 remaining commitments are overdue. A detailed accounting of the commitments is provided as Attachment 1 to this report.

## 3.0 Task Area Status

The status of open commitments is provided below for each task area of the 98-2 IP, Revision 1.

### 4.1 Define Scope of Work

Commitment 4.1.2-- The purpose of this commitment is to assess the adequacy of contractor and design agency implementation of changes to TBP-901, "Integrated Safety Process for Nuclear Weapons Operations and Facilities."

Deliverable: Assessment of TBP-901 Implementation was completed for both the Pantex Plant and the Design Agencies. The final assessment was delivered to the Board on November 30, 2001. With delivery of Commitment 4.1.2, all commitments within this task area have been delivered.

### 4.2 Analyze Hazards

There are not any outstanding commitments within this task area.

### 4.3 Develop and Implement Controls

Commitment 4.3.2 – The purpose of this commitment is to validate implementation of the improved site-wide TSR controls for fire protection.

Deliverable: DOE Readiness Assessment (RA) Report for Fire Protection. The RA activities are scheduled to begin February 2002. The final report is anticipated to be completed by June 30, 2002. The original date associated with this deliverable was to be determined after the implementation of the TSR controls for fire protection were completed.

Commitment 4.3.3 —The purpose of this commitment is to address the hazards associated with on site transportation of nuclear explosives by developing and establishing the technical and analytical basis for site-wide TSR transportation controls.

Deliverable: DOE-approved BIO Module for On-Site Transportation and associated TSR and DOE-approved Implementation Plan for transportation controls. The contractor submitted the documents for DOE approval on February 4, 2002. Final approval is anticipated prior to March 31. The commitment is overdue.

Commitment 4.3.4 - The purpose of this commitment is to validate implementation of the improved site-wide TSR controls for on-site transportation of nuclear explosives.

Deliverable – DOE Readiness Assessment Report. This activity cannot start until Commitment 4.3.3 has been delivered, the implementation plan is reviewed and approved by the NNSA, and the controls implemented.

Commitment 4.3.9 – The purpose of this commitment is to modify the fire detection and suppression system in Building 12-44

Deliverable – Completion of physical modifications to Building 12-44. The original proposal included installation of UV detectors. The proposal was revised and approved November 2001 to install infrared detectors in lieu of the UV detectors. The anticipated completion date remains December 2002.

Commitments 4.3.10 and 4.3.11—The purpose of these two commitments was the replacement of the Pantex Plant fire alarm system.

Deliverables: Conceptual Design Report for a project to replace the fire alarm system (4.3.10, due April 30, 2001) and authorization of a line item construction project (4.3.11, due June 30, 2001). The intent of these two commitments will be met by a series of expense-funded projects as outlined to the Board in the Department's June 15, 2001 correspondence. The series of projects is funded and in progress. A project execution plan for the series has undergone a final Headquarters review and has been

provided to the Board. No further action is being taken on Commitments 4.3.10 and 4.3.11 and they will be dropped from future reports.

#### **4.4 Perform Work**

Commitment 4.4.3 and 4.4.4 — The purpose of this commitment is to issue revisions to supplemental directives to align with the changes to DOE Orders 452.1, 452.2, and DOE-STD-3015.

Deliverable: Revisions to the AL Supplemental Directives 452.1 and 452.2 issued and an Impact Analysis and DOE-approved Implementation Plan (as required). The AL directives have been issued, and the contractor's impact analysis has been completed. The directives and impact analysis were delivered to the Board on November 30, 2001. The implementation plan is due to the Department by February 2002.

Deliverable: Revisions to the NV Supplemental Directives 452.1 and 452.2 issued and an Impact Analysis and DOE-approved Implementation Plan (as required). These orders will be finalized by February 2002, and presented to the Change Review Group in March 2002, for approval and incorporation into the appropriate contracts. The commitment was due to the Board on February 28, 2001.

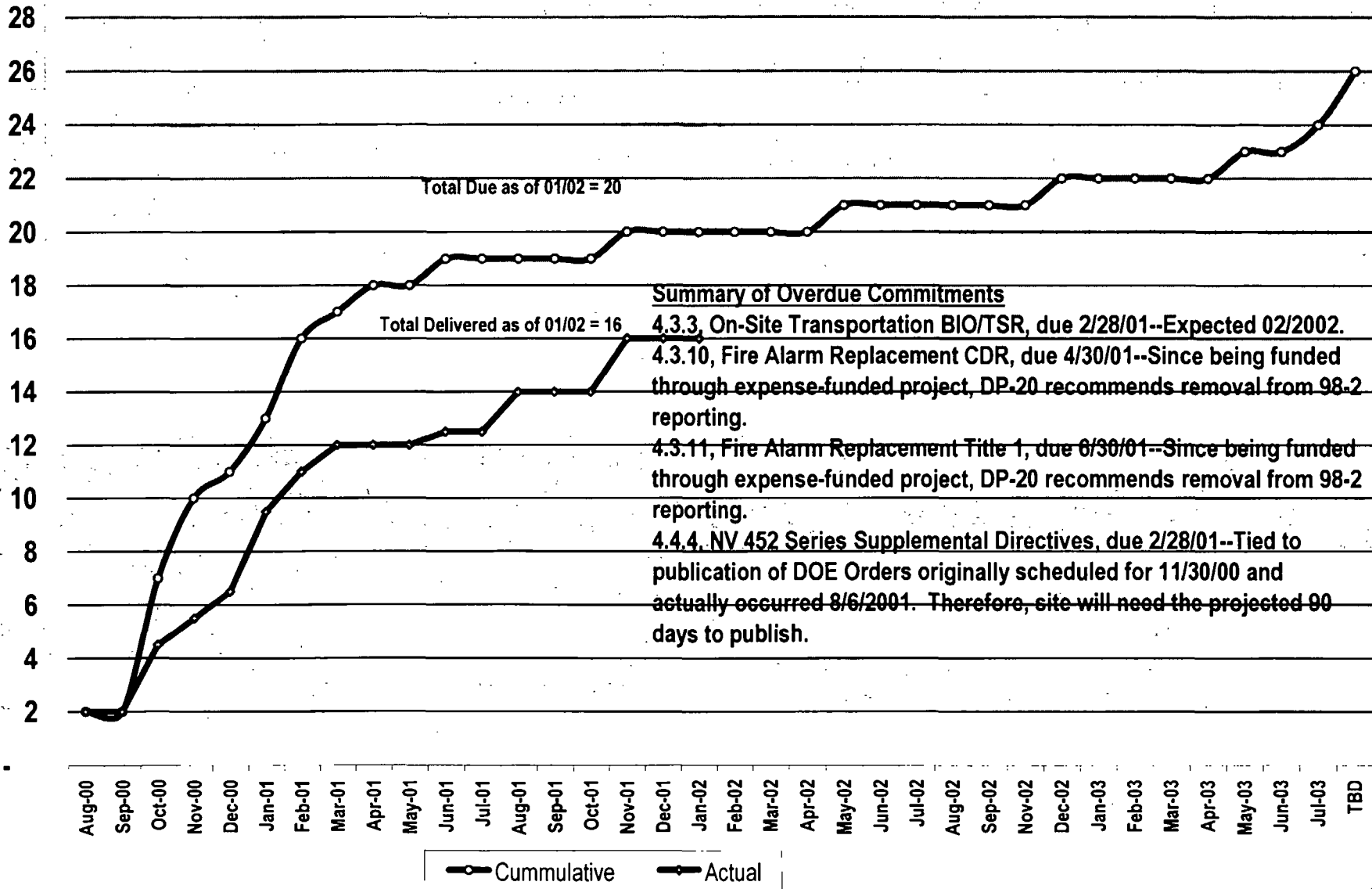
Commitment 4.4.5 – The purpose of this commitment is to authorize startup of the W78 SS-21 process.

Deliverable: W78 SS-21 Startup Authorization. Work toward this commitment is in progress. Completion is anticipated in December of 2003 in accordance with the Integrated Weapon Activity Plan (IWAP) issue H.

Commitment 4.4.6 – The purpose of this commitment is to authorize startup of B83 SS-21 process

Deliverable: B83 SS-21 Startup Authorization. This work is scheduled to commence in June 2002 and complete in June 2004 in accordance with IWAP issue H.

### 98-2 Rev. 1 Cummulative Commitments



## 98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.3.03	DOE-Approved BIO Module/TSR for On-Site Transportation and DOE-Approved Implementation Plan for On-Site Transportation controls submitted	2/28/2001		2/28/01--Glass Letter to Conway	<ul style="list-style-type: none"> <li>*7/31/00--Carned forward 5.6 3&amp;3</li> <li>*11/14/00--WSS information has been received from LLNL. SNL &amp; LANL information is due within 30 days. First draft should be ready by March 2001. Final is expected May 2001</li> <li>*1/8/01--Based on a recent scheduling meeting, the 1st draft submission is due May 2001 versus March 2001</li> <li>*2/22/01--In order to expedite this commitment, modules of the TSR are being completed and submitted to the AAO office for review and acceptance. Currently, the AAO has the hazard analysis which they are reviewing</li> <li>*2/28/01--The letter to Conway provided a status of this commitment.</li> <li>*3/28/01--The status remains unchanged. The full-up module is expected to be complete sometime between May and September 2001</li> <li>*6/29/01--Status to the Board was provided indicating that the full-up module to be provided in September.</li> <li>*8/21/01--Status prepared for Board indicates that the full-up module cannot be provided until November 2001 due to laboratornes not being able to provide weapon response information until September</li> <li>*10/12/01--Previously, the lab had agreed to provide WR information by September. Both SNL and LANL are behind schedule to complete their WR submissions. BWXT-PX has made changes to the SAR Module based on the preliminary (draft) input received verbally using the September meeting. Until all information is formally submitted and incorporated, the date to provide the full-up module slips.</li> <li>In order to allow for the 40 working day AAO review and comment resolution period once the SAR is received from BWXT-PX based on the laboratory WR formal input, it appears that the SAR approval date has slipped to January 2002</li> <li>*11/29/01--The laboratory input was received 11/2001. The SAR approval date will slip to February 2002 as a result.</li> <li>*1/11/02--The TSR and plan is scheduled to be delivered to AAO on 1/21/02</li> <li>AAO will conducted their final review. The approval date remains scheduled as February 2002</li> </ul>	Pending	Don Brunell, OASO	1/31/2002
4.4.04	Revisions to corresponding NVO Orders to align with published changes to DOE Orders 452.1A and 452.2A and DOE-STD 3015; Request Impact Analysis and Provide DOE-Approved Implementation Plan.	2/28/2001		2/28/01--Glass Letter to Conway	<ul style="list-style-type: none"> <li>*7/31/00--Carned forward 5.4.2 &amp; 5.5.1</li> <li>*11/14/00--Time to complete may slip as a result of the slip on 4.4.2</li> <li>*1/8/01--WPD will provide their draft to NVO as an assist for their SD development.</li> <li>*2/22/01--NVO is in process of completing final comment resolution and finalizing their site directive. They anticipate they will be ready to publish in March 2, 2001, despite the lack of final publication of the 452 orders as required by 4.4.2. The site directive cannot be published until the orders have been published.</li> <li>*2/28/01--A status of this commitment was provided to the Board</li> <li>*3/28/01--The status of this commitment remains unchanged. NV intends to publish its' SD 90 days after the 452 orders are published</li> <li>*6/29/01--NV remains committed to publish it's SD and obtain the implementation plan (as needed) within 90 days after the orders are published</li> <li>*10/12/01--Draft orders are out for initial review until 10/26/01</li> <li>*11/29/01--NV expects the commitment to be completed early 2002</li> <li>*01/22/02--NV Orders have completed the DMC process and are scheduled to be finalized 2/15/02. On 3/1/02, the orders will be presented to the NV Change Review Group to get them into the contracts. Once the CRG approves the orders, the NV contractors' contracts will be modified</li> </ul>	Pending	Laura Tomlinson, NVO	1/31/2002
4.3.02	DOE Readiness Assessment Report for Fire Protection	7/30/2002			<ul style="list-style-type: none"> <li>*7/31/00--New action</li> <li>*11/19/00--The date for completion is predicated upon completion and implementation of the Fire BIO and TSRs</li> <li>*2/28/01--The Fire BIO and TSR have been approved. The implementation plan is due in 30 days. The implementation will take a year to complete. Antopate completing the RA by 6/2002.</li> <li>*10/12/01--Three phases with several individual RAs are planned to complete all facilities and programs associated with completion of this commitment. The first RA is scheduled to start November 2002. Based on the current schedule, July 2002 appears to be the appropriate date to finish this TBD commitment. As a result, the TBD will be replaced with July 2002</li> <li>*1/31/02--The RA for the approved Fire BIO/TSR is scheduled to begin February 2002. The report remains scheduled to be delivered by July 2002.</li> </ul>	Open	Don Brunell, OASO	1/31/2002



98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.3.04	DOE Readiness Assessment Report for Transportation	TBD			<ul style="list-style-type: none"> <li>-7/31/00--Carried forward 5.6.3#3</li> <li>-11/19/00--The date for completion is predicated upon completion and implementation of the Transportation BIO and TSRs</li> <li>-2/28/01--The implementation must be complete to initiate the RA. It is anticipated that the RA will begin September 2002.</li> <li>-Based on the current slip of 4.3.3 and the fact that it takes a year for implementation and review, the anticipated date remains TBD.</li> </ul>	Open	Don Brunell, OASO	1/31/2002
4.3.09	Completion of physical Modifications to Bldg. 12-44 Completed	12/30/2002			<ul style="list-style-type: none"> <li>-7/31/00--New action</li> <li>-11/14/00--Building is schedule to complete modifications on-time</li> <li>-7/23/01--Title II is under review by DOE</li> <li>-10/24/01--BWXT is proposing to install infrared Detectors in lieu of the previously planned UV Detectors.</li> <li>-11/30/01--AAO approved the Infrared Detector proposal. Change in direction may cause 2-3 month slip in the schedule.</li> </ul>	Open	Charlie Phillips, OASO Johnnie Guelker, OASO	1/31/2002
4.3.10	Conceptual Design for Fire Detection and Suppression Systems Upgrades	4/30/2001		6/15/01--Beck Letter to Conway	<ul style="list-style-type: none"> <li>-7/31/00--New action</li> <li>-11/14/00--Do not have approval to start CD-1</li> <li>-12/21/00--Based on Jeff Underwood email, AAO is reviewing CD0. Cannot start CD1 until CD0 is approved</li> <li>-1/17/01--CD0 is headed to HQ for decision</li> <li>-2/22/01--HQ has the CD0 for approval. They are holding approval until funding issues are resolved.</li> <li>-3/28/01--DP-20 has requested that DP-6 evaluate the project to aid in selecting an implementation strategy (line item, combination of GPP/Capital/Expense, or Expense). Options are due to DP-20 by April 30, 2001 to provide an implementation strategy by May 31, 2001. DP-20 is preparing a letter to the Board informing them of the evaluation and plan to submit a new date or commitment by June 15.</li> <li>-6/15/01--DP-20 to DNFSB providing input that a series of small projects will be completed and recommend that this item be removed from 98-2Rev1</li> </ul>	Open	Jeff Underwood, NNSA John Guelker, OASO Pat Higgins, SPD Jeff Yarbrough, PX-BWXT	1/31/2002
4.3.11	ESAAB Authorization for Title 1	06/30/01		6/15/01--Beck Letter to Conway	<ul style="list-style-type: none"> <li>-7/31/00--New action</li> <li>-11/14/00--The decision on what type of funding to use to implement has not been made. Capital versus expense or a combination</li> <li>-1/8/01--Based on current orders, Cannot go forward with Title 1 until CD1 is approved and capital funding is requested. Capital funding not expected until 2003</li> <li>-3/28/01--DP-20 has requested that DP-6 evaluate the project to aid in selecting an implementing strategy (line item, combination of GPP/Capital/Expense, or Expense). Options are due to DP-20 by April 30, 2001 to provide an implementation strategy by May 31, 2001. DP-20 is preparing a letter to the Board informing them of the evaluation and plan to submit a new date or commitment by June 15.</li> <li>-6/15/01--DP-20 to DNFSB providing input that a series of small projects will be completed and recommend that this item be removed from 98-2Rev1.</li> </ul>	Open	Jeff Underwood, NNSA John Guelker, OASO Pat Higgins, SPD	1/31/2002
4.4.5	W78 SS-21 Start-up Authorization	12/30/2002 12/30/2003			<ul style="list-style-type: none"> <li>-7/31/00--Carried forward &amp; replaces 5.6.4</li> <li>-11/20/00--Assessment of resources (other than production technicians) availability to start SS-21 work in FY01 has not been completed by either the labs or Pantex. Expect an answer by 12/8/00</li> <li>-2/22/01--The W78 Project Team has requested that the SS-21 project start in FY2002</li> <li>-3/22/01--During the meeting at Pantex, BWXT was tasked by DP-20 to propose a new "Rebaseline Target" IWAP. The due date is June 15, 2001. This new IWAP should determine where the W78 SS-21 project will initiate and end.</li> <li>-6/15/01--BWXT presented their proposed IWAP. Lab input is still needed to confirm support to schedules. Input is due by 7/12/01. SMT scheduled to review and approve on 7/17/01.</li> <li>-7/20/01--SMT approved IWAP</li> <li>-8/7/01--SMT Chair approved IWAP for release. Approved IWAP indicates a W78 full SS-21 completion date of December 2003</li> <li>-1/31/02--W78 SS-21 provided their project scope to the SMT on 1/10/02. They are scheduled to present Milestone 1 at the 2/1/02 SMT.</li> </ul>	Open	Rob McKay, OWPM	1/31/2002

98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.4.6	B83 SS-21 Start-up Authorization	5/30/2002 5/30/2004			<ul style="list-style-type: none"> <li>-7/31/00--Replaces 5 6 4</li> <li>-11/20/00--There is no funding for this project to start in FY2001.</li> <li>-2/22/01--The B83 SS-21 Team is completing their project plan and releasing for approval. The project is expected to begin the SS-21 process on October 1, 2001.</li> <li>-3/22/01--During the meeting at Pantex, BWXT was tasked by DP-20 to propose a new "Rebaseline Target" IWAP. The due date is June 15, 2001. This new IWAP should determine where the B83 SS-21 project will initiate and end.</li> <li>-6/15/01--BWXT presented their proposed IWAP. Lab input is still needed to confirm support to schedules input is due by 7/12/01. SMT scheduled to review and approve on 7/17/01</li> <li>-7/20/01--SMT approved IWAP</li> <li>-8/7/01--SMT Chair approved IWAP for release. Approved IWAP indicates a B83 full SS-21 completion date of May 2004</li> <li>-1/31/02--B83 SS-21 scheduled to kick-off June 2002.</li> </ul>	Open	John Myers, OWPM	1/31/2002
4.5.1	IP 98-2 Final Assessment Report	6/30/2003 6/30/2004			<ul style="list-style-type: none"> <li>-7/31/00--Carried forward 5 6 5</li> </ul>	Open	Steve Goodrum, OWPM	1/31/2002
4.1.1	BIO/SAR Program Plan	8/30/2000	8/30/2000	8/30/00--Glass letter to Conway.	<ul style="list-style-type: none"> <li>-7/31/00--Corresponds to 5 1 4 (Portion of IWAP)</li> <li>-8/15/00--AAO was sent an Email request for status.</li> <li>-8/24/00--AAO approved the program plan with comments</li> <li>-8/31/00--AL Manager signed the letter to the DNFSB. Deliverable was mailed.</li> <li>-11/17/00--Individual schedules for each project plan are slipping</li> </ul>	Delivered	Don Brunell, OASO	8/30/2000
4.1.2	Assessment of TBP-901 Implementation	11/30/2001	11/30/2001	11/30/01--Glass letter to Conway	<ul style="list-style-type: none"> <li>-7/31/00--Follow-on to 5 2 2</li> <li>-7/23/01--Called AAO for schedule to completion</li> <li>-10/12/01--Information is being gathered for a consolidated response.</li> <li>-11/27/01--Both the AAO and OWP assessments were provided to the Board</li> </ul>	Delivered	Dave Ryan, OASO Steve Goodrum, OWPM	11/30/2001
4.2.1	D&P Manual Chapter 11.8--"Integration of Weapon Response into Authorization Bases at the Pantex Plant"	10/30/2000	10/31/2000	10/31/00--Glass Letter to Conway	<ul style="list-style-type: none"> <li>-7/31/00--New action</li> <li>-8/24/00--WRT team completed draft for SMT review. SMT was requested to provide their organizational comments</li> <li>-9/29/00--All organization comments were received and proposed resolution provided. SNL required further resolution</li> <li>-10/10/00--Final draft completed. All comments resolved. Team consensus to request publication provided</li> <li>-10/13/00--Publication package provided for SMT approval.</li> <li>-10/20/00--Publication released for publication</li> </ul>	Delivered	Don Brunell, OASO	10/24/2000
4.2.2	TBP Guidance on expectations & documentation of weapon response (Follow-on to 11.8)	1/30/2001	1/30/2001	1/31/01--Glass Letter to Conway	<ul style="list-style-type: none"> <li>-7/31/00--New action</li> <li>-11/19/00--The SMT designated a team to begin developing the guidance. The guidance will be an attachment to Chapter 11 8 in lieu of a TBP</li> <li>-12/12/00--Sent an email to the team to establish a meeting date the first week of January to evaluate a draft.</li> <li>-1/2/01--Team meeting scheduled for 1/4/01 to discuss draft.</li> <li>-1/8/01--The teams draft was finalized and distributed for team comments. Comments are due by 1/11/01. A comment resolution meeting is scheduled the afternoon of 1/17/01.</li> <li>-1/30/01--Appendix A to 11 8 (replacing TBP) was published</li> </ul>	Delivered	Steve Erhart, OASO Karl Waltzer, OASO Larry Eppler, Pantex	1/30/2001
4.2.3	11.8 and TBP Impact Analysis & DOE-Approved Implementation Plan	3/30/2001	3/30/2001	3/30/01--Beck letter to Conway	<ul style="list-style-type: none"> <li>-7/31/00--New action</li> <li>-60 days after the completion of 4 2 2, the contract is required to submit their impact assessment.</li> <li>-2/22/01--AAO is in process of requesting the Pantex M&amp;O assessment and implementation of 11 8 and associated guidance. AL is in process of re-establishing the Weapon Response Team to evaluate the impacts of 10CFR830 on 11 8 and its associated guidance. Any changes as a result of the two evaluations will be incorporated as a change to the 11 8 chapter and its guidance.</li> <li>-3/28/01--PX provided their Impact Evaluation. The evaluation determined that 11 8, Change 39 (Chapter &amp; Guide) are currently implemented through MNL 254543, Pantex Plant Safety Management (ISM) Authorization Basis (AB) Manual. A change to the MIC S/RID has been submitted to contractually implement the chapter. The change will occur during the next revision.</li> </ul>	Delivered	Don Brunell, OASO	3/28/2001
4.2.4	Assessment of USQ Process	1/30/2001	1/30/2001	1/31/01--Glass Letter to Conway	<ul style="list-style-type: none"> <li>-7/31/00--Carried forward 5 3 1#3</li> <li>-11/19/00--Assessment is in process</li> <li>-1/8/01--Assessment is expected to be completed on time.</li> <li>-1/31/01--AAO submitted to AL for issuing to Board</li> </ul>	Delivered	Don Brunell, OASO	1/31/2001

98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.2.5	Revision #2 to the ISM AB Manual	10/30/2000	1/30/2001	10/31/00-Glass Letter to Conway 01/31/01-Glass Letter to Conway	-7/31/00--Corresponds to 5 3 1 & 5 8 3 -9/11/00--Request for status was emailed. -10/15/00--Draft delivered to AAO for review -10/30/00--Pantex M&O did not complete their internal review and incorporate comments received. Expect to be complete within 60 days. -11/1/00--Glenn Memo to Pellegrini regarding missed commitment. Requesting personal attention to ensuring all funded commitments are delivered in time to allow for adequate review, comment, and approval -11/9/00--AAO comments were provided to the Pantex M&O and requested that the manual be written to reflect the intent of the IP. The new draft is anticipated to be delivered by December 2000 -12/13/00--Final draft is expected to be delivered by 12/15/00. -1/8/01--AAO has received the revision and is reviewing the document. Review anticipated to be complete by 1/12/01. -1/22/01--Final document complete. All comments resolved. Final being transmitted to AL for distribution to the Board -1/31/01--Mailed to DNFSB	Delivered	Don Brunell, OASO	1/31/2001
4.2.6	Revise D&P 11.7--"Nuclear Explosive Operations Change Control Process"	11/30/2000	11/30/2000	11/30/00--Glass Letter to Conway	-7/31/00--Follow-on to 5 3 2 -10/18/00--Email request for status -10/30/00--Team meeting scheduled for 11/1/00 to resolve comments on initial draft and prepare 2nd draft for organizational and SMT comment. Final chapter should be published by the end of the month -11/5/00--2nd Draft has been released for SMT and AL organization comments. Comments are due by 11/20/00 -11/29/00--Final released for publication	Delivered	Mark Baca, OWS	11/29/2000
4.3.01	DOE-Approved BIO Module/TSR for Fire Protection and DOE-Approved Implementation Plan for Fire Protection Controls	10/30/2000	6/30/2001	10/31/00--Glass Letter to Conway 01/30/01--Glass Letter to Conway 02/28/01--Glass Letter to Conway 06-29-01--Glass Letter to Conway	-7/31/00--New action -6/30/00--Draft Fire BIO/TSR delivered to AAO for review. AAO returned with comments. Several resolution meetings have occurred to resolve the comments. Pantex M&O is expected to re-submit by 9/20/00 -8/4/00--Implementation plan submitted by Pantex M&O to AAO for review. -8/31/00--AAO returned implementation plan to Pantex M&O with comments -10/30/00--AAO stated that the Fire BIO is not ready for submission due to technical issues associated with the sensitivity and zone coverage of the UV detectors. The complete deliverable is expected within 30 days -11/9/00--More time will be required to address the UV technical issue prior to releasing the approved Fire BIO. -12/13/00--Expect Fire BIO to be ready for delivery to AAO Manager by December 22, 2000 -1/8/01--SER is in final review -1/17/01--AAO is re-writing SER based on the numerous comments received during their review -1/31/01--Letter to Board to provide update -2/22/01--The final SER is in the AAO Manager's office for signature. It is expected to be signed & provided to AL/WPD for distribution to the Board by 2/28/01. -2/28/01--The BIO Module and TSR were delivered The implementation plan to follow in May -6/8/01--Fire BIO implementation Plan approved with conditions. -6/21/01--Letter received from DNFSB citing concerns with FireBIO -6/29/01--Department delivers Fire BIO implementation plan Department commits to address concerns during a technical briefing to be scheduled	Delivered	Don Brunell, OASO	6/29/2001
4.3.05	Additional DOE-Approved TSR controls derived from the NES master Studies	11/30/2000	2/28/2001	11/30/00--Glass Letter to Conway 01/31/01--Glass Letter to Conway 02/28/01--Glass Letter to Conway	-7/31/00--New action -10/18/00--Email request for status -11/9/00--AAO meeting the Pantex M&O responsible organization to discuss the M&O's failure to respond to AAO's rejection of the last submission. A letter to the M&O will follow -12/13/00--Looks like the next draft will be into AAO by early January. -1/8/01--The next draft is behind schedule. Do not anticipate receipt until February 2001 -1/30/01--Provided status within the January letter to the Board -2/22/01--AAO is completing their internal process actions and expect to deliver the final product to AL/WPD by 2/28/01. -2/28/01--The final commitment was provided to the Board.	Delivered	Don Brunell, OASO	2/28/2001
4.3.06	Flammable Solvent and Material Substitution Plan	10/30/2000	10/31/2000	10/31/00--Glass Letter to Conway	-7/31/00--New action -10/27/00--Plan signed by the Manager	Delivered	Steve Goodrum, OWPM Dan Glenn, OASO	10/27/2000

98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.3.07	Plan for Transportation Carts	10/30/2000	8/30/2001	10/31/00-Glass Letter to Conway 01/31/01-Glass Letter to Conway 04/20/01-Gioconda Letter to Conway 08/30/01-Beck Letter to Conway	-7/31/00-New action -10/30/00-AAO delivered a partial package. The complexity of the project and evolutionary nature of the design process requires substantial national lab analysis prior to completion of the design. The entire package is expected by January 2001. -12/11/00-Team met to discuss package. Remain on track to deliver full package by January 2001. -1/8/01-On track to receive Part 2 by 1/16/01. -1/19/01-Final package approved and received by AAO to be transmitted to Board with 1/30/01 letter. -3/5/01-Department received letter from DNFSB citing concerns w/implementation. An updated plan is due in May 2001. -4/20/01-Letter from Gioconda to Conway (revised plan to be provided May 2001) -6/29/01-Letter from Glass to Conway, revised plan is in process and expected to be complete July 2001 -8/9/01-AAO delivered the package to DP-21 for transmission to the DNFSB	Delivered	Don Brunell, OASO	8/9/2001
4.3.08	PDS for 12-44 Fire Protection Upgrade	12/30/2000	12/21/2000	12/21/00-Glass Letter to Conway	-7/31/00-New action -11/14/00-Draft document in draft. -12/13/00-PDS has been delivered to AAO and is under review. Expect to complete and deliver to WPD for transmission to the Board no later than 12/19/00. -12/21/00-Commitment mailed to the Board	Delivered	John Guelker, OASO Pat Higgins, SPD	12/21/2000
4.4.1	DOE Orders 452.1A, 452.2A and DOE-STD-3015 Proposed Revisions Developed & Submitted for formal review process	8/30/2000	8/30/2000	8/30/00-Beck Letter to Conway	-7/31/00-Carried forward 5.4.2 & 5.5.1 -8/15/00-DP-20 was sent a request for an update -8/21/00-DP-20 responded that the letter transmitting the orders and standards to MA for the review and comment period was ready and would be given to Beck for signature -8/30/00-Beck signed out letter to DNFSB.	Delivered	Ed Cassidy, NA-12	8/30/2000
4.4.2	DOE Orders 452.1A, 452.2A and DOE-STD-3015 Formal Review Process & Publication	11/30/2000	8/30/2001	11/30/00-Glass Letter to Conway 02/22/01-Beck Letter to Conway 08/23/01-Beck Letter to Conway	-7/31/00-Carried forward 5.4.2 & 5.5.1 -10/18/00-Email request for status -10/19/00-Email response from Helmut Filacchone indicates that the orders and standards are still in formal review and comment period and this will be extended. DP-21 is shooting for a 12/31/00 publication date -11/20/00-A plan was provided by DP-21 indicating expected release for publication by 12/8/00 -12/6/00-DOE O 452.1B and 2B and Standard DOE-STD-3015-YY are scheduled to be published on Dec. 31, 2000 barring any obstacles encountered by Revcom system (i.e., comment resolution) or the publication process. Working with Mr. Beck to remove any obstacles before they are encountered. -1/2/01-Notice received that 452.1B was signed out by DP-20 to MA for publication -1/29/01-Both 452.1B and 452.2B have been provided to MA for publication. STD-3015 has 174 comments that are in process of being resolved -2/22/01-DP-20 provided a response to the Board indicating publication of the Standard by April and publication of the orders by May. -4/30/01-Status to Board provided regarding delay in publication. Expect June 2001 -6/29/01-Status to Board provided regarding delay in publication to August 2001. -7/9/01-Internal e-mail received indicating that administrative issues have been resolved and expect orders to be published by end of July. -8/6/01-Orders published on the web	Delivered	Ed Cassidy, NA-12	8/6/2001

98-2 Rev 1 Summary Sheet

Deliverable No.	Deliverable	Deliverable Due Date	Deliverable Actual Date	Associated DOE Correspondence to the Board	Remarks	Status Open Pending Delivered	POC for Responsibility	Status Date
4.4.3	Revisions to corresponding AL Supplemental Directives 452.1 and 452.2 to align with published changes to DOE Orders 452.1A and 452.2A and DOE-STD 3015; Request Impact Analysis and Provide DOE-Approved Implementation Plan.	2/28/2001	11/30/2001	2/28/01--Glass Letter to Conway 11/30/01--Glass Letter to Conway	<ul style="list-style-type: none"> <li>-7/31/00--Carried forward 5.4.2 &amp; 5.5.1</li> <li>-11/14/00--Time to complete may slip as a result of the slip on 4.4.2</li> <li>-1/8/01--WPD in process if using pre-published orders to begin changes to the SDs</li> <li>-1/22/01--Draft changes to the site directives are in process using the final draft orders being prepared for publication.</li> <li>-2/22/01--Final comments are in process of being received and resolved. As a result of comment resolution, it is anticipated that the final draft will be ready for publication despite the lack of final publication of the 452 orders as required by 4.4.2. The site directive cannot be published until the orders have been published.</li> <li>-2/28/01--A status of this commitment was provided to the Board. DOE-STD-3015 was published in February.</li> <li>-3/28/01--The status of this commitment remains unchanged. AL intends to publish its SD 90 days after the 452 orders are published.</li> <li>-6/29/01--AL remains committed to publish its SD and obtain the implementation plan (as needed) within 90 days after the orders are published.</li> <li>-7/18/01--AL Team released draft for team review. Comments are due by 8/3/01.</li> <li>-8/21/01--Comments have been received. As a result of the comments received, the supplemental directives are being revised to reflect appropriate resolution.</li> <li>Final draft is expected to be ready for release by the end of September.</li> <li>-Final draft was released 10/15/01. Teleconference scheduled for 10/19/01 to resolve any comments.</li> <li>-11/1/01--Both AL SDs approved for publication and impact analysis requested.</li> <li>-1/31/02--PX Impact Analysis submitted to AAO 12/20/01 and approved by AAO on 1/28/02. SX Implementation Plan due by 2/28/02.</li> </ul>	Delivered	Steve Goodrum, OWPM	11/30/2001

Total Open or Pending:

10

Total Delivered:

16

Total No. of Commitments:

26



*Defense Nuclear Facilities Safety Board  
Recommendation 98-2*

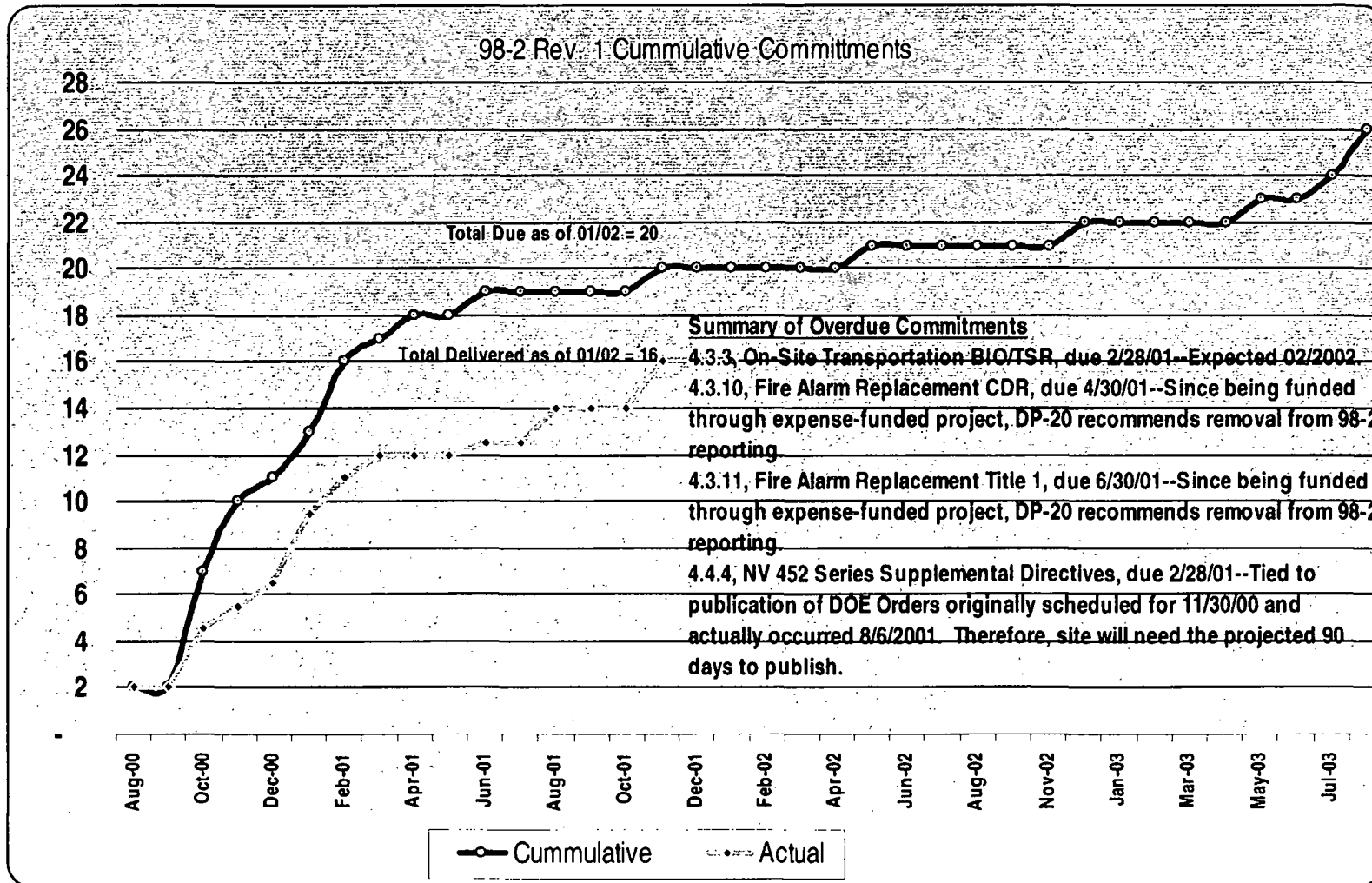
**Quarterly Briefing for the Period Ending  
12/31/01**

**February 14, 2002**



# Recommendation 98-2 Summary

## Accelerating Safety Management Improvements at the Pantex Plant





## *Recommendation 98-2*

# *Commitments Delivered This Quarter*

*Accelerating Safety Management Improvements at the Pantex Plant*

- **Commitments Delivered Since Last Quarter (2)**
  - 4.1.2 Assessment of TBP-901 Implementation (due 11/30/01)
    - » Pantex Plant and Laboratory Assessments were delivered to the Board on 11/30/01.
  - 4.4.3 Revisions to Corresponding AL Supplemental Directives 452.1 and 452.2 to align with published DOE O 452.1 and 452.2 and DOE-STD-3015 (due 2/28/01)
    - » AL SD 452.1B and 2B were published on 11/1/01 and Impact Analyses were requested
    - » Los Alamos National Laboratory accepted new SDs into their contract on 1/29/02
    - » PX Operating Contractor submitted Impact Analysis on 12/20/01
    - » OASO approved analysis and provided the PX Operating Contract until 2/28/02 to deliver their implementation plan.





*Recommendation 98-2*

## *Focus On Remaining Commitments*

*Accelerating Safety Management Improvements at the Pantex Plant*

### ■ Overdue (4)

- 4.3.3, DOE-Approved BIO Module/TSR for On-Site Transportation and DOE-Approved Implementation Plan for On-site Transportation Controls (due 2/28/01)
  - » Final laboratory weapon response input received 11/2001
  - » PX Contractor scheduled to deliver BIO/TSR and Implementation Plan to OASO during the week of 2/4/02
- 4.4.4, Revision to Corresponding NVO Orders to align with published changes to DOE O 452.1 and 452.2 and DOE-STD-3015 (due 2/28/01)
  - » NV Orders completed document management process and are scheduled to be finalized 2/15/02.
  - » On 3/1/02 the final orders will be presented to the NV Change Review Group



*Recommendation 98-2*

## ***Focus On Remaining Commitments***

*Accelerating Safety Management Improvements at the Pantex Plant*

### ■ **Overdue (4)**

- 4.3.10, Conceptual Design for Fire Detection and Suppression Systems Upgrade (due 4/30/01)
  - » June 15, 2001, letter to Board changing approach
  - » Series of expense-funded projects rather than line-item
  - » Project Execution Plan to be delivered with Quarterly Report
- 4.3.11 Title 1 Authorization by DP for Fire Alarm Replacement (due 6/30/01)
  - » June 15, 2001, letter to Board changing approach
  - » Series of expense-funded projects rather than line-item
  - » Project Execution Plan to be delivered with Quarterly Report



*Recommendation 98-2*

## ***Focus On Remaining Commitments***

*Accelerating Safety Management Improvements at the Pantex Plant*

### ■ Remaining Commitments (6)

- 4.3.2 DOE Readiness Assessment Report for Fire Protection (due 7/30/02)
  - » RA scheduled to begin February 2002
- 4.3.4 DOE Readiness Assessment Report for Transportation (TBD)
  - » Remains TBD until 4.3.3 is approved
- 4.3.9 Completion of Physical Modifications to Bldg 12-44 (due 12/30/02)
  - » PX Contractor proposed to install infrared detectors in lieu of originally planned UV detectors.
  - » OSAO approved the change in direction in November 2001.



*Recommendation 98-2*

## *Focus On Remaining Commitments*

*Accelerating Safety Management Improvements at the Pantex Plant*

### ■ Remaining Commitments (6)

- 4.4.5 W78 (CHE) SS-21 Start-up Authorization (due 12/30/02)
  - » Approved IWAP Issue H indicates new completion date of 12/30/03
  - » PRT presented their project scope to the SMT on 1/20/02 and Milestone 1 on 2/1/02.
- 4.4.6 B83 (IHE) SS-21 Start-up Authorization (due 5/30/02)
  - » Approved IWAP Issue H indicates new completion date of 5/30/04
  - » Team is on track to kick-off project by June 2002
- 4.5.1 IP 98-2 Final Assessment Report (due 6/30/03)
  - » Report date will change as a result of Revision 2 to the 98-2 Implementation Plan