Advanced Test Reactor
Operation Safety Board

INUTES	APRIL 14, 2010	09:00 A.M.	ATR-670 CONFERENCE RM

IEETING CALLED	Reactor Startup
:HAIR	Loran Kinghorn, ATR Operations Deputy Manager
IOTE TAKER	Bradey Hill, ATR Administrative Assistant
)UORUM	Is met under the ATR functional area matrix of "Startup and Restart of Facilities and Activities"
ATR OSB IEMBERS,)BSERVERS IN ATTENDANCE	Keith Penny — Member: ATR Engineering Mgr Jack Jacobi — Member: SORC David McDaniel — Member: Nuclear Engineering Rick Denning — Observer: DOE Bradey Hill — Observer: ATR Administrative Assistant Charles Forshee — Member: ATR Operations Assistant Manager Kirk Stueve — Member: TSR Coordinator Wes Gates — Presenter: ATR DSRO Terry Hathaway — Member: QA Brant Campbell — Observer: Nuclear Safety Al Hoskins — Observer: ATR Engineering Bob Boston — Observer: DOE Shannon Corrigan — Observer: Configuration Control Coordinator David Schoonen — Member: Production Control
'RESENTER	Wesley Gates, ATR DSRO
TOPIC:	STARTUP AND REVIEW OF ATR FACILITIES AND ACTIVITIES
)ISCUSSION	Loran Kinghorn, ATR Operations Deputy Manager, went over OSB charter with board members. Document CTR-36. The list of attachments discussed are as follows: • Pre-OSB Startup Agenda, Cycle 146B-1 • List 100 • CRD-1 • ATR Facility Modifications • LDSR • ODSR • Utility Summary Report Nuclear Engineering manager, David McDaniel, reviewed the List 100

and active Unreviewed Safety Question (USQ) and compared it to the Cycle Reference Document (CRD)-1. Members verified that the active USQ was still valid and that ATR Operations interim controls are still in place as well as the implementation methods. Members agreed that the RTC-USQ-2006-578 be removed from the List 100 and CRD-1 due to closing out the USQ. No new USQs were added to the List 100. David McDaniel provided a new collective significance breakdown of the List 100 as well. The following areas were discussed:

- Impact on At Power Operations/Operational Flexibility.
- Impact on Shutdown/Canal Operations.
- Reduced safety design margin.
- Impact on Probabilistic Risk Assessment (PRA).

Members reviewed all active CRD-16 letters. There were no new CRD-16 letters issued for this reactor cycle.

Production Control Manager, David Schoonen, gave the status of the scheduled work that was completed in this outage as well as continuing issues that need to be addressed prior to startup.

ATR Engineering Manager, Keith Penny, reviewed special experiments as well as material issues. Engineering has implemented all 2 SIGMA Beryllium cracking surveillance requirements. Beryllium inspections were completed and filmed. No cracks were identified. However, it appears that the West Flux Trap is starting to show signs of bowing due to neutron damage as indicated by fuel marks up against the beryllium reflectors.

Shannon Corrigan went over plant modifications during 146B-1 outage and all the work that was also performed under Technical Evaluations (TEV). A modifications letter will be issued to ATR Operations Management describing the modifications and the status of each modification projects.

Quality Manager, Terry Hathaway, went over the status of all open Nonconformance Reports (NCR) and listed which ones have startup implications.

ATR Operations Assistant Manager, Chuck Forshee, reviewed the Operational Daily Summary Report (ODSR) and Loop Daily Summary Report (LDSR) and Utility Summary Report for Technical Safety Requirements (TSR) status and Out of Service (OOS) equipment.

Members completed round table. They decided that if M-42 Diesel was not able to run that we would start up on M-43 Diesel. They were also concerned about the 2E-NW make-up pump only having one make-up pump in service. David Schoonen informed the members that the parts were on order and once they have been received the OOS make-up pump would be repaired.

:ONCLUSIONS	The OSB board unanimously concurred that once all Action Items have been completed there will be no outstanding or accumulative reactor safety issues.

ıCTION ITEMS	PERSON RESPONSIBLE	DEADLINE	ACTION COMPLETE
Need to validate that the USQ-Interim Control is still ınplemented by the method indicated.	Wes Gates	Before Startup on April 17, 2010	Yes ✓ fk
Check valve indication for M-8 Primary Coolant 'ump.	Chuck Forshee	Before Startup on April 17, 2010	Yes ✓ fk
Complete work package to put Plant Protective System PPS) Channel B back in service.	Keith Penny	Before Startup on April 17, 2010	Yes ✓ fk
Write an NCR for Suspect Bolts. Must be)ispositioned or Ok'd for Startup.	Keith Penny	Before Startup on April 17, 2010	Yes ✓ fk
NCRs 45890, 45904, 45924, 45925 fk must be)ispositioned or Ok'd for Startup.	Keith Penny	Before Startup on April 17, 2010	Yes ✓ fk

MINUTES ıPPROVED BY	Chair Loran Kinghorn, ATR Operations Deputy Manager