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:

SUBJECT: Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 96-1 Implementation Plan - Reference Documents

The following reports are supporting reference documents for the Recommendation 96-1 deliverables issued to you in my letter dated May 27, 1998, and are enclosed for your information.

1. Nuclear Magnetic Resonance, Electron Paramagnetic Resonance, and Molecular Modeling Studies of Sodium Tetraphenylborate Systems at Pacific Northwest National Laboratory (U), WSRC-TR-97-0110, Rev. 0 98-1830
2. Pilot-Scale Benzene Retention and Release Demonstration (U), WSRC-TR-97-0360 Rev. 0 98-275
3. Laboratory-Scale Study of Parameters Influencing Benzene Retention and Release in Potassium Tetraphenylborate slurries (U), WSRC-TR-97-00375 98-276
5. Impact of Water Additions on Benzene Releases from Tank 48H (U), WSRC-TR-97-00385 98-267
6. Revised Task Technical and QA Plan for In-Tank Precipitation Benzene Retention Bench-scale Parameter Tests (U), WSRC-RP-97-11, Rev. 1 98-260
7. The State of Benzene in ITP Slurry Using Nuclear Magnetic Resonance Measurements (U), WSRC-RP-97-934, Rev. 0 98-259
8. Task Technical Plan for Pilot-Scale Benzene Retention and Release Demonstration (U), WSRC-RP-97-7, Rev. 0 98-261
9. Apparent Benzene Solubility in Tetraphenylborate Slurries (U), WSRC-TR-97-00362, Revision 0 98-263
10. Liquid Mixing in Tank 48, WSRC-TR-97-00348, Rev. 0 98-264
11. ITP Waste Tanks Seismic Sloshing Horsepower (U), T-CLC-H-00316 98-1832
12. Task Technical Plan to Study the Effects of Solids on the Apparent Solubility of Benzene in Simulated ITP Salt Solutions (U), WSRC-RP-96-775, Revision 1 98-262
14. ITP Cycle 1 Demonstration Test Decision Logic, HLW-ITP-97026 98-1833
17. Qualitative Evaluation of the Potential for a Large Episodic Combustible Gas, M-CLC-01516 98-1593
19. Decomposition of Triphenylborane with Enhanced Comprehensive Catalyst under Aerated and Inert Conditions (U), WSRC-TR-97-0325, Rev. 0 98-1836
20. Projected Variation in Feeds to the In-Tank Precipitation Process (U), OPS-DTZ-97-0004 97-1291
21. Decomposition Studies of Filtered Slurries using the Enhanced comprehensive Catalyst (U), WSRC-TR-97-00383, Rev. 0 98-1837
22. Tetraphenylborate solids Stability Tests (U), WSRC-TR-97-0185, Rev. 0 97-2530
23. The Role of Oxygen in the Copper-Catalyzed Decomposition of Phenyl Borates in Aqueous Alkaline Solutions (U), WSRC-TR-97-0069 97-1747
24. Statistical Investigation Into the Decomposition Rates of Tetraphenylborate and Its Daughter Compounds (U), WSRC-TR-97-00403, Revision 0 98-1838
25. Summary of Chemistry Program Assessment for Support of DNFSB 96-1 Implementation Plan (U), WSRC-RP-97-0987 98-1839
26. ITP Solids Stability Operating Window Tests, WSRC-TR-98-00072, Rev. 0 98-1840
27. Task Technical and Quality Assurance Plan for Tetraphenylborate Salt Solubility in High Ionic Strength Salt Solutions, WSRC-TR-98-00071, Revision 0 98-1841
29. The Solubility of Phenyloborate compounds in Benzene, WSRC-TR-98-00129 98-1843
30. Radioactive Testing Results in Support of the In-Tank Precipitation Facility, WSRC-TR-98-00070, Revision 0 98-1844
31. Tetraphenylborate Solubility in High Ionic Strength Salt Solutions, WSRC-TR-98-00103 98-1845
32. Excess Sodium Tetraphenylborate and Intermediates Decomposition Studies, WSRC-TR-98-00099, Rev. 0 98-1846
33. Effect of Palladium form on Tetraphenylborate Decomposition Rate, WSRC-TR-98-00073, Rev. 0 98-1846

Please direct any questions to me or W. F. Spader at (803) 208-7409.

Sincerely,

[Signature]

Royal Schepens
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ED:JWM:eoh

PC-98-0042

33 Enclosures

cc w/o Enclosures:
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