

WIPP Library



**EPA INFORMATION NEEDS
CROSSWALK**

May, 1993



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DOCUMENT	ACRONYMS
Alcove Program Management Plan, DOE/WIPP 93-XXX, TBD	APMP
Alcove Test Plan DOE/WIPP 93-XXX, Draft May 1993	ATP
Bin Case Data Report Summary (Bins 1-5)	BCDRS
Bin Program Management Plan, DOE/WIPP 93-XXX, TBD	BPMP
SAND90-1974: Test Plan: WIPP Bin Scale CH TRU Waste Tests, Jan. 1990	T1TP0
SAND90-2082: Test Plan Addendum #1: WIPP Bin Scale CH TRU Waste Test, Dec. 1990	T1TP1
SAND93-XXXX: Test Plan Addendum #2: WIPP Bin Scale CH TRU Waste Test (Type 1 Bin) - Draft, May 1993	T1TP2
SAND93-XXXX: Test Plan: WIPP Bin Scale CH TRU Waste Test (Type 2 Bin) - Draft, May 1993	T2TP
Enclosure 3 to Transmittal Memo to EPA: EPA Information Needs Crosswalk Table	NONE
Disposal Phase Decision Plan - Draft, May 1993	DPDP
DOE/WIPP 92-010: Geotechnical Field Data and Analysis, Report Volume 1 and 2, March 1992	GFDA
DOE/WIPP 92-024: WIPP Supplementary Roof Support System Room 1, Panel 1: Geotechnical Field Data Analysis Biannual Report	SRSS-BR
DOE/WIPP 93-012: WIPP Supplementary Roof Support System Room 1, Panel 1, Geotechnical Field Data Analysis Report, March 1993	SRSS-R
Document Hierarchy	DH
Enclosure 2 to Transmittal Memo to EPA: Summary Description Regulatory Compliance Programs for the Waste Isolation Pilot Plant	SDRCP
Final Safety Analysis Report WP 02-9, May 1990 and FSAR addenda on Type I Bin), WP02-9, April 1993	FSAR & FSA
Hardware Description Document: Type 1, RCRA Part B, DOE/WIPP 91-005, Rev. 3	HDDT1
HDD: Type 2, Draft, May 1993	HDDT2
HDD: Alcove	HDDA
Integrated Project Schedule	IPS
No Migration Determination (11/14/90)	NMD
Information Relative to the Calculation of the VOC Source Term Utilized in WIPP No-Migration Variance Petition, DOE/WIPP 89- 003, Rev. 1, March 1990	VOC-ST
SNL: Performance Assessment Procedures (PAP-01-06)	SPAP

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SNL: Quality Assurance Procedures (QAP 2-2, 2-3, 6-1, 16-1, 17-1, 17-3, 18-1, 19-1)	SQAP
SNL: List of WIPP Testing Procedures, April 27, 1993	WTP
SNL: Quality Assurance Program Description	SQAPD
WID Quality Assurance Program Document (WP 13-1, Attachment 2)	WQAPD
WIPP Analytical Laboratory Quality Assurance Plan WP-12-13, Rev. 0	WALQAP
List of WIPP Analytical Laboratory Procedures WP-12-AL	ALP
Quality Assurance Program Plan for the Waste Isolation Pilot Plant Experimental Waste Characterization Program, Rev. 2, DOE/EM/48063-1 (Draft)	QAPP2
DOE/EM/48063-1: Quality Assurance Program Plan for Experimental Waste, Revision 1:	QAPP
DOE/WIPP 91-043: WIPP Waste Characterization Program Sampling and Analysis Guidance Manual	SAG
QAPjP: WIPP Experimental Test Program Project Office Quality Assurance Project for the INEL, EGG-WM-9526, Draft, Rev. 1, December 1992	QAPjP (INEL)
QAPjP: Radioactive Waste Management Complex QAPjP for the WIPP Experimental Test Program EGG-WM-9527, Draft, Rev. 1, December 1992	QAPjP (RWMC)
QAPjP: WIPP Experimental Test Program QAPjP for the Environmental Chemistry Unit Operations, EGG-WM-9570, Draft, Rev. 1, December 1992	QAPjP (ECU)
QAPjP: Argonne National Laboratory - West; WIPP Project; Hot Fuel Examination Facility QAPjP W0096-0042-ES; Draft, Rev. 1, February 1993	QAPjP (HFEF)
QAPjP: Argonne National Laboratory - West; WIPP Project ; Analytical Laboratory QAPjP W0660-0038-QP, Draft, Rev. 1, February 1993	QAPjP (ANLW)
EG&G Rocky Flats Plan, QAPjP; WIPP Experimental Waste Characterization Program, 1-1000-EWQA, January 1992	QAPjP (RF)
SAND 89-0178: Preliminary Plan for Disposal System Characterization and Long-Term Performance Evaluation of the WIPP, December 1989	DSC
SAND 90-2347: Preliminary Comparison with 40 CFR 191, Part 191, Subpart B for the WIPP, December 1990	PA (90)
SAND 91-0893: Preliminary Comparison With 40 CFR Part 191, Subpart B for the WIPP, December 1991	PA (91)
SAND 92-0700: Preliminary Performance Assessment for the WIPP, December 1992	PA (92)

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SAND 92-7307: WIPP Alcove Gas Barrier Final Design Report, Nov. 1992	AGBFDR
DOE/WIPP 92-062: Gas Generation and Source Term Program: Technical Needs Assessment for the WIPP: December 1992	TNAD
Test Room Stability Plan DOE/WIPP 93-010	TRSP
DOE/WIPP 89-025: Waste Characterization Program Plan for the WIPP Experimental Waste, Revision 1, July 1991	WCPP
WIPP Test Phase Activities in Support of Critical PA (40 CFR 191 B) Information Needs, February 1992	CPAIN

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<u>INFORMATION</u>	<u>SOURCE</u> (Chapter, Section, Page)
1. Compliance related objective/purpose of each test	T1TP2 - Sec. 4.0, p. 10; Sec. 3.0, p. 3 T2TP - Sec. 4.0, pp. 9-12 ATP - Sec. 2.0, pp. 2-8; Sec. 3.0, pp. 8-10
2. Experimental rationales/technical rationale	T1TP2 - Sec. 3.0, pp. 6-9 T2TP - Sec. 3.0, pp. 3-8 ATP - Sec. 4.0, pp. 11-13; Sec. 1, pp 1-2
3. Experimental equipment design	T1TP2 - Sec. 6.0, pp. 13-14; Sec. 7.0, pp. 15-30 T2TP - Sec. 6.0, pp. 24-30 ATP - Sec. 6.0, pp. 23-29
4. Time frames/experimental activities to be conducted during test	T1TP2 - Sec. 7.0, pp. 15-30 T2TP - Sec. 5.2, pp. 20-23 ATP - Sec. 8.0, p. 32
5. *Integrated schedules for all tests and their relationships to demonstrating compliance	DPDP - Entire document CPAIN -Chapter 2, Entire chapter; Chapter 3, Sec. 3.1, Figure 2; Sec. 3.2, Figure 3, Table 3.1 and 3.2; (Note: This relates to PA) Chapter 3, Sec. 3.1, Figure 11 and Table 11.1 and 11.2 (Note: This relates to bins); Chapter 3, Sec. 3.9, Figure 10, Table 10.1, and 10.2 (Note: This relates to alcoves)
6. Specific data to be collected	T1TP2 - Sec. 7.0, pp. 15-30; Sec. 9.0, pp. 33-35 T2TP - Sec. 7.0, pp. 31-42 ATP - Sec. 6.0, pp. 23-29; Sec. 8.0, pp. 32-33
7. How are the data/documents merged together?	SDRCP - Entire Enclosure (Attachment to Transmittal Memo to EPA)
8. Data quality objective for specific data collected	T1TP2 - Sec. 9.0, pp. 33-35 T2TP - Sec. 9.0, pp. 45-46, Table 7.5 ATP - Sec. 9.0, pp. 33-36
9. Critical test assumptions and rationale	T1TP2 - Sec. 3.0, pp. 6-9 T2TP - Sec. 4.0, pp. 9-12 ATP - Sec. 4.0, pp. 11-13
10. Model validation/verification/assessment process and data inconsistencies	T1TP2 - Sec. 3.0, pp. 6-8 T2TP - Sec. 3.0, pp. 3-8
11. Testing logic (integration with laboratory, PA modeling)	T1TP2 - Sec. 3.0, pp. 6-10 T2TP - Sec. 3.0, pp. 3-8 ATP - Sec. 2.0, pp. 2-8
12. Description of waste to be used in test (physical form, chemical form, curies); why this waste?	T1TP2 - Sec. 3.0, pp. 8-9 T2TP - Sec. 5.0, pp. 13-20 ATP - Sec. 5.0, pp. 13-23

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13. Description of test waste characterization requirement: what must PI know about the waste and desired Data Quality Objectives (DQOs), other requirements (No Migration Determination [NMD], etc.)?	T1TP2 - Sec. 3.0, pp. 8-9; Sec. 9.0, pp. 33-36 T2TP - Sec. 5.0, pp. 13-20 ATP - Sec. 5.0, pp. 13-23; Sec. 9.0, pp. 33-36; Sec. 2.0, pp. 2-8
14. Description of waste characterization: techniques to be used: analytical limitations	QAPP - Entire document WCPP - Chapter 3, Inclusive SAG - Entire document QAPjP (INEL) - Entire document QAPjP (RWMC) - Entire document QAPjP (ECU) - Entire document QAPjP (HFEF) - Entire document QAPjP (ANL-W) - Entire document QAPjP (RF) - Entire document WALQAP - Entire document ALP - Entire document QAPP2 - Entire document
15. Details of waste selection process	T1TP2 - Sec. 3.0, pp. 8-9 T2TP - Sec. 5.0, pp. 13-20 ATP - Sec. 5.0, pp. 13-23
16. Detail of waste already characterized (Type 1 bins 1-7)	BCDRS - Summary Information - Chapter 2 from No Migration Annual Report for the Period October 1991 through August 1992 - Entire Chapter - RCRA Waste Profile Forms: Bins 1-7 - Entire Document - Detailed Information - Bin Case Report Summaries (one for each bin #1-5) - Entire Document - Bin Addendum Reports (one to four each bin #1-5)
17. *Schedule of events for each experiment (major schedule events, waste selected, waste characterized, shipment emplacement, test start, test data collection, test end, Decontamination and Decommissioning [D&D])	BPMP ⁽¹⁾ APMP ⁽¹⁾
18. Estimated time duration of each experiment and rationale	T1TP2 - Sec. 5.0, p. 20; Sec. 3.0, pp. 6-9 T2TP - Sec. 3.0, p. 6 ATP - Sec. 8.0, pp. 32-33
19. Design description of Type 1 Bins and Hardware Support Systems	HDDT1 - Entire Document
20. Design descriptions of Type 2 bins and Hardware Support Systems	HDDT2 - Entire Document

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<u>INFORMATION</u>	<u>SOURCE</u> (Chapter, Section, Page)
21. Design description of Alcove and Hardware Support Systems	HDDA ⁽²⁾
22. Description of data acquisition system for bin and alcove tests	HDDT1 HDDT2 HDDA ⁽²⁾
23. Details on Alcove gas barrier design	AGBFDR - Entire Document
24. Experimental data interpretation methodology description	T1TP2 - Sec. 9.0, pp. 33-35 T2TP - Sec. 9.0, pp. 45-46 ATP - Sec. 8.0, pp. 32-33
25. Description of Gas Generation Module in PA <ul style="list-style-type: none"> - How does Gas Generation relate to compliance calculations (i.e., generation of CCDFs) - How does this module link to other modules in calculational sequence? - How is this "module" related to regulatory compliance? 	DSC: Chapters II & III - Entire Chapters; PA(90): Chapters V & VI - Entire Chapters; PA(91): Vol. 2, Chapter 5 - Entire Chapter; PA(92): Vol. 2, Chapter 5 - Entire Chapter DSC: Chapter III - Entire Chapter; PA(90): Chapter V - Entire Chapter; PA(91): Vol. 2, Chapter 1 - Entire Chapter; PA(92): Vol. 2, Chapter 7 - Entire Chapter DSC: Chapter III - Entire Chapter; PA(90): Chapter X - Entire Chapter; PA(91): Vol. 2, Chapter 5 & Vol. 1, Chapter 6 - Entire Chapter; PA(92): Vol. 1, Chapter 5 & Vol. 2, Chapter 7 - Entire Chapters
26. Description of Quality Assurance/Quality Control as it relates to the conduct of an experiment	SQAPD - General Program Description - Entire Document WQAPD - General Program Description - Entire Document SPAP - Performance Assessment QA Procedures - Entire Documents SQAP ⁽¹⁾ - Experimental QA Procedures - Entire Documents
27. Description of RCRA Gaseous source term calculations? <ul style="list-style-type: none"> - How is this source term related to compliance? - How does alcove support this process? (Linkage to waste mobility modeling) 	VOC-ST -- Attachment C, pp. 1-5; Appendix B, pp. 6.1-33 to 6.1-41, pp. 11-15
28. Description of Gas Generation Model <ul style="list-style-type: none"> - How it works? What mechanisms? Synergetic/antagonistic mechanisms? 	TNAD - Chapter 2, Sec. 2.3, pp. 2-15 to 2-19; Chapter 3, Sec. 3.2.3, pp. 3-14 to 3-25

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29. Description of potential synergetic effects of combined VOC's for alcove test drums (not a planned test objective)	ATP - Sec. 2.0, pp. 2-8; Sec. 3.0, pp. 8-11
30. Description of PA process Modules - How they work individually? - How they are linked to generated CCDFs? - Data passed between modules. - Scenario set up, etc.	DSC: Chapter III - Entire Chapter; PA(90): Chapter V - Entire Chapter; PA(91): Vol. 2 - Entire Volume; PA(92): Vol. 2, Chapter 7 & Appendices A thru D - Entire Chapter/Appendices DSC: Chapter II - Entire Chapter; PA(90): Chapter X - Entire Chapter; PA(91): Vol. 1, Chapter 6 & Vol. 2, Chapter 1 - Entire Chapters; PA(92): Vol. 1, Chapters 4 & 5 - Entire Chapters DSC: Chapter II - Entire Chapter; PA(90): Chapter V - Entire Chapter; PA(91): Vol. 2, Chapter 1 - Entire Chapter; PA(92): Vol. 2, Chapter 1 - Entire Chapter DSC: Chapter III - Entire Chapter; PA(90): Chapter IV - Entire Chapter; PA(91): Vol. 2, Chapters 4-6 - Entire Chapters; PA(92): Vol. 2, Chapters 3 & 4 - Entire Chapters
31. Linkage of experiment to PA/how is this experiment justified?	T1TP2 - Sec. 3.0, pp. 6-7 T2TP - Sec. 3.0, pp. 3-8 ATP - Sec. 2.0, pp. 2-8 TNAD - Chapter 2, Sec. 2.1, pp. 2-3 to 2-5; Sec. 2.2, pp. 2-2, 2-7 to 2-14 Chapter 3, Sec. 3.2.4, p. 3-26; Sec. 3.2.6, p. 3-50 CPAIN - Chapter 3, Sec. 3.1, Figure 11, and Table 11.1 and 11.2 (Enclosures) Chapter 3, Sec. 3.9, Figure 10, and Table 10.1 and 10.2 (Alcoves)
32. Discussion description of existing data (from laboratories) - background for experiments	T1TP2 - Sec. 3.0, p. 7 T2TP - Sec. 3.0, pp. 4-5 ATP - Sec. 1.0, pp. 1-2; Sec. 2, pp. 2-8 CPAIN - Table 11.1
33. Experimental test conditions (temperature, pressure, etc.)	T1TP2 - Sec. 7.0, pp. 15-30 T2TP - Sec. 5.2, pp. 20-23 ATP - Sec. 6.0, pp. 23-29
34. Description of uncertainties experiment will attempt to reduce/range to which results will be applicable	T1TP2 - Sec. 3.0, pp. 6-7 T2TP - Sec. 3.0, pp. 3-8 ATP - Sec. 1.0, pp. 1-2; Sec. 2.0, pp. 2-8; Sec. 3.0, pp. 8-11
35. Relationship of experiment to other experimental efforts	T1TP2 - Sec. 3.0, pp. 6-7 T2TP - Sec. 3.0, pp. 4-6 ATP - Sec. 4.0, pp. 11-13

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36. Post test brine/simulated waste characterization. What and how?	T1TP2 - Sec. 3.0, p. 8 T2TP - Sec. 5.1.3, pp. 16-20; Sec. 7.8, pp. 36-39; Sec. 5.2.5, pp. 22-23
37. How will experimental test waste or the results of gas generation testing in bins extrapolated to the total repository waste inventory?	T1TP2 - Sec. 3.0, pp. 6-10 T2TP - Sec. 3.0, pp. 4-9; Sec. 4.0, pp. 9-12
38. References listed in Test Phase Plan (TPP), Waste Retrieval Plan (WRP), and TNAD	Supplied Separately
39. Test room(s) will remain stable during test phase, possibly longer	TRSP - Chapter 4, Sec. 4.1.4, p. 4-2 GFDA - Volume 2, Chapter 5, Entire chapter SRSS-R - Sec. 1.0, p. 1-1
40. Safety analysis of tests: - Type 1 Bins - Type 2 Bins ⁽³⁾ - Alcoves ⁽³⁾	FSAR - Accident - Chapter 1A.4, Section 1A.4.1, Classification of Accidents - pg. 1A.4-1 Section 1A.4.2, Source Terms - pg. 1A.4-1 Section 1A.4.3, Dose Calculation Models - pg. 1A.4-2 Section 1A.4.4, Dose Impacts Due to Accidents - pg. 1A.4-2 Section 1A.4.5, Risk Assessment - pg. 1A.4-2 Section 1A.4.6, Summary of Accidental Releases & Exposures to Hazardous Wastes - pg. 1A.4-3 Accident Analysis - Chapter 7, Section 7.1, Accident Classification - pg. 7.1-1 Section 7.2, Source Term & Analytical Methodology - pg. 7.2-1 Section 7.3, Accident Description & Analysis - pg. 7.3-1 Section 7.4, Accidental Releases & Exposures to Hazardous Wastes - pg. 7.4-1 FSAR1 - Accidents - Chapter 7, Section 7.1, Accident Classification, pg. 7-1 Section 7.2, Source Term & Analytical Method - pg. 7-2 Section 7.3, Accident Description & Analysis, pg. 7-3 Section 7.4, Bin Scale Test Waste Retrieval Accidents - pg. 7-7
41. Justification for not including accident scenarios, and classification as credible	Transmittal Memo to EPA

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+2. Justification for not identifying specific interim storage sites) if needed for retrieval	Transmittal Memo to EPA

Notes: (1) Draft expected by 7/16/93. Final by 8/27/93
(2) Draft expected by 6/24/93
(3) Availability date TBD