

**FEBRUARY 1991 QUARTERLY
PRESENTATION TO THE
ENVIRONMENTAL EVALUATION GROUP
AND NEW MEXICO'S
ENVIRONMENTAL IMPROVEMENT DIVISION
ON THE
WASTE ISOLATION PILOT PLANT**

waste isolation pil

910204



NOTICE

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the Department of Energy, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, expressed or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.

MANAGEMENT and OPERATING CONTRACT

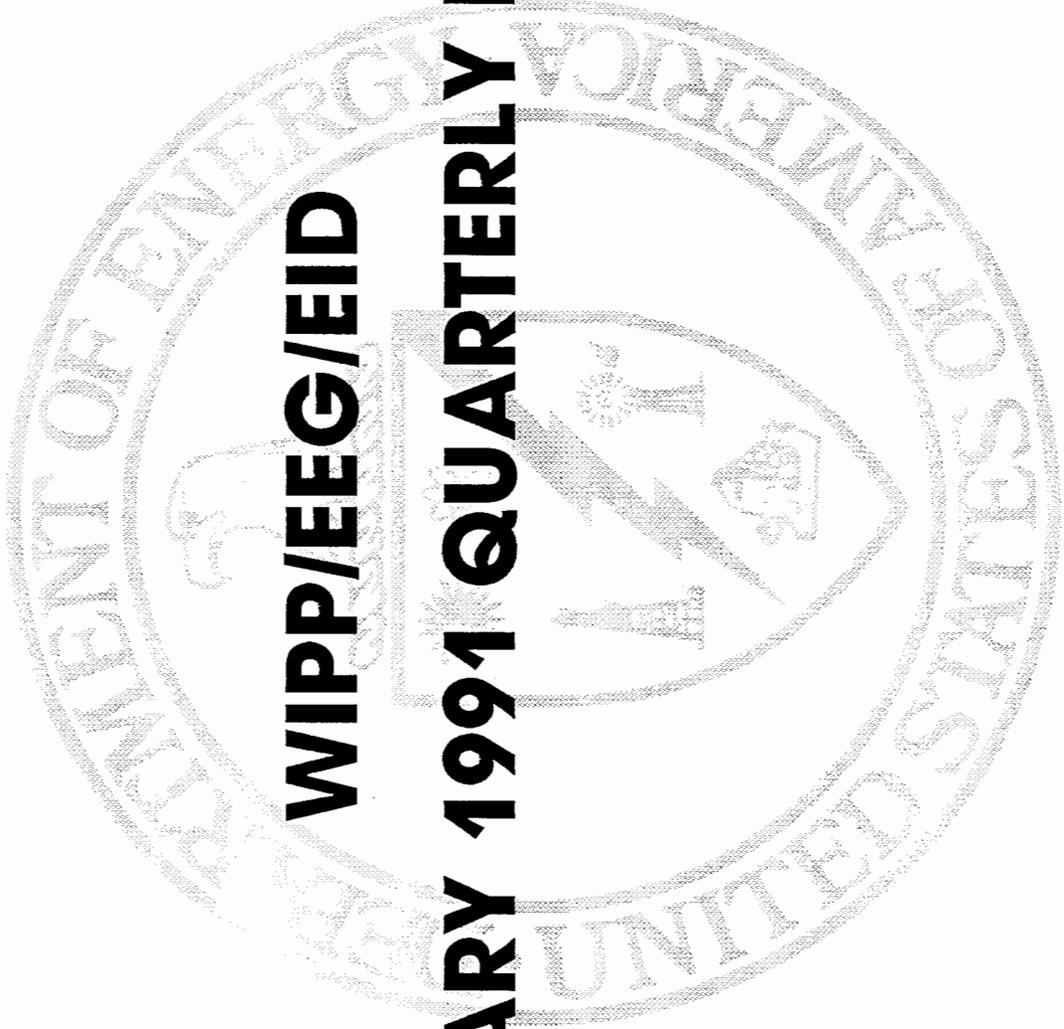
DE-AC04-86AL31950

WESTINGHOUSE ELECTRIC CORPORATION

IT CORPORATION

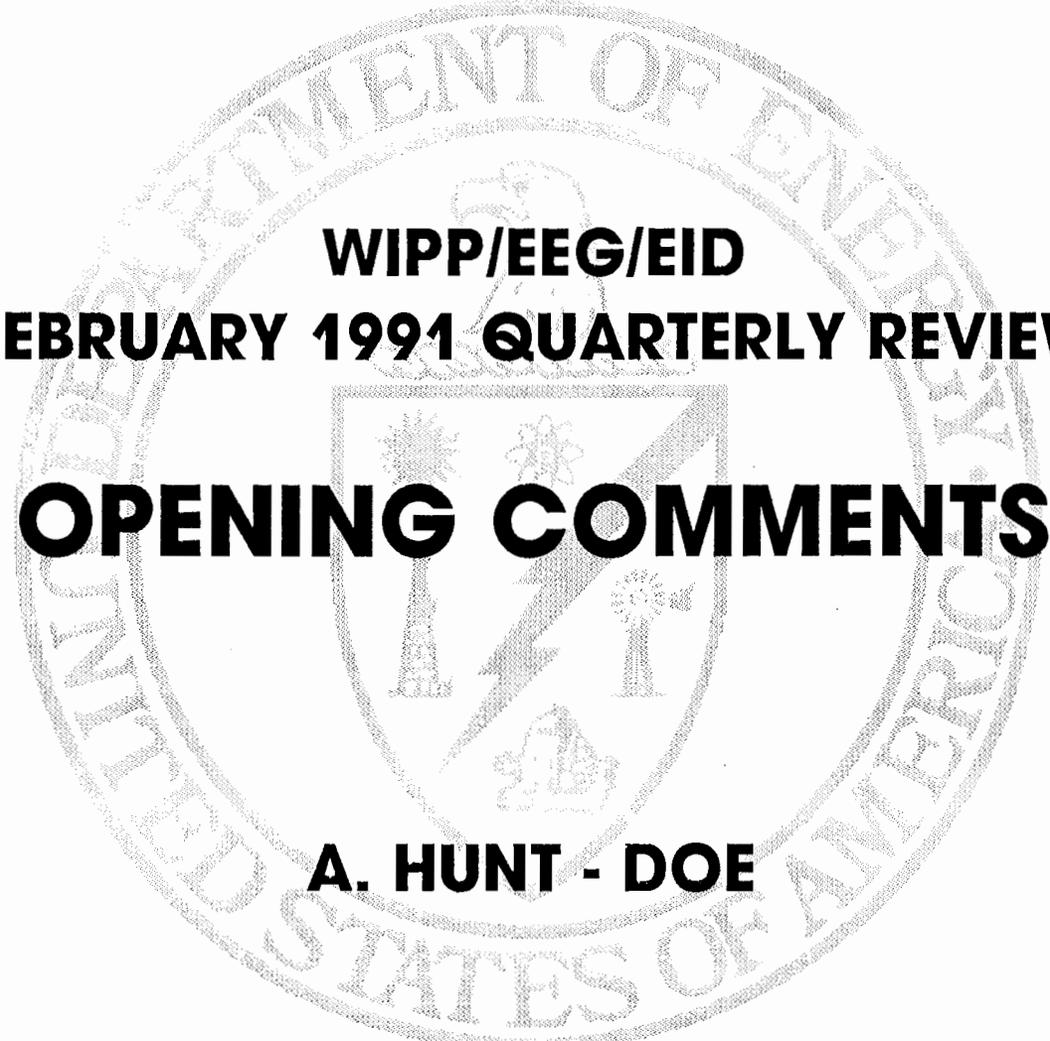
WIPP/EEG/EID

FEBRUARY 1991 QUARTERLY REVIEW



**DOE/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 14, 1991**

TIME	TOPIC	PRESENTER
8:00 - 8:20 AM	OPENING COMMENTS	A. HUNT - DOE
8:20 - 8:40 AM	EEG STATUS	R. NEILL - EEG
8:40 - 9:00 AM	EID STATUS	K. JONES - EID
9:00 - 10:00 AM	GENERAL PROJECT UPDATE	V. DAUB - DOE
10:00 - 10:15 AM	BREAK	
10:15 - 10:45 AM	RH TRU WASTE INVENTORY STATUS	K.S. DONOVAN - WID
11:00 - 11:45 AM	TRU WASTE CHARAC- TERIZATION STATUS	H. DAVIS - DOE
11:45 - 1:00 PM	LUNCH	
1:00 - 1:45 PM	BIN-SCALE TESTING STATUS	A. LAPPIN - SNL
	SOLUBILITY/LEACHING TEST STATUS	B. BUTCHER - SNL
1:45 - 2:00 PM	BREAK	
2:00 - 3:00 PM	OPERATIONAL READINESS STATUS	J. MEWHINNEY - DOE
3:00 - 3:15 PM	EEG COMMENTS	R. NEILL - EEG
3:15 - 3:30 PM	EID COMMENTS	K. JONES - EID

The seal of the United States Department of Energy is a large, faint watermark in the background. It features an eagle with wings spread at the top, a shield in the center containing a lightning bolt, a palm tree, and a wind turbine, and the text "DEPARTMENT OF ENERGY" and "UNITED STATES OF AMERICA" around the perimeter.

WIPP/EEG/EID
FEBRUARY 1991 QUARTERLY REVIEW

OPENING COMMENTS

A. HUNT - DOE

FEBRUARY 1991 QUARTERLY REVIEW MEETING

OPENING COMMENTS

- **Final Safety Analysis Report (FSAR) Addendum issued for external review 2/1/91**
 - **Addresses the dry bin-scale tests planned to be conducted at the WIPP**
- **Facility readiness**
 - **DOE/HQ-EH Readiness Review Inspection addressing prestart items associated with WIPP's readiness to receive CH TRU waste must be completed before Test Phase operations begin**
 - **Intensive review of WIPP readiness is being conducted**
 - **Declaration of readiness of base facility and transportation anticipated 2/28/91**

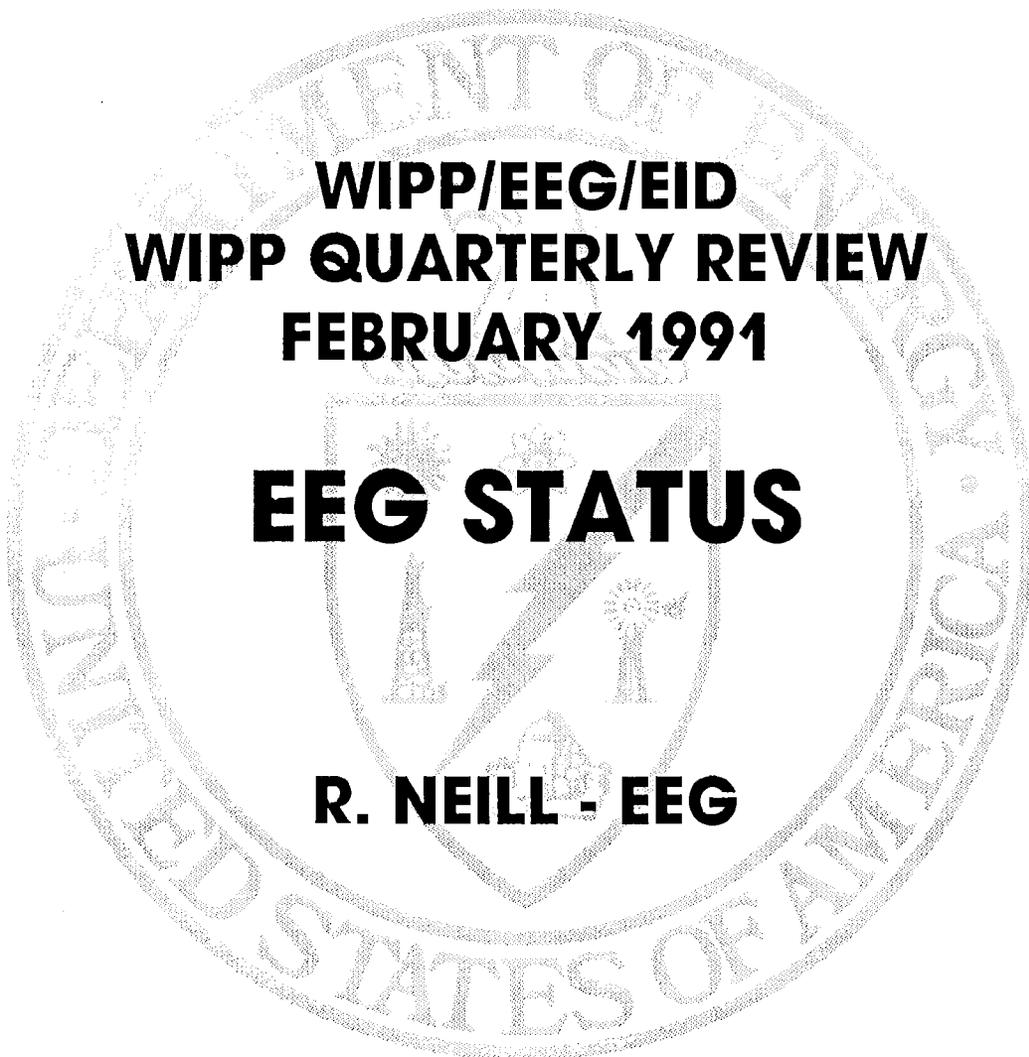


FEBRUARY 1991 QUARTERLY REVIEW MEETING

OPENING COMMENTS

- **Resource Conservation and Recovery Act (RCRA) permitting**
 - **RCRA Part A permit submittal transmitted to EID 1/22/91**
 - **RCRA Part B permit being prepared**
- **Route designation for TRU waste transportation**
 - **Route designation for WIPP TRU waste shipments confirmed by New Mexico EIB 12/14/90**
- **Land withdrawal**
 - **Administrative land withdrawal order transferring temporary control signed 1/22/91**
 - **Legislative land withdrawal is preferred**

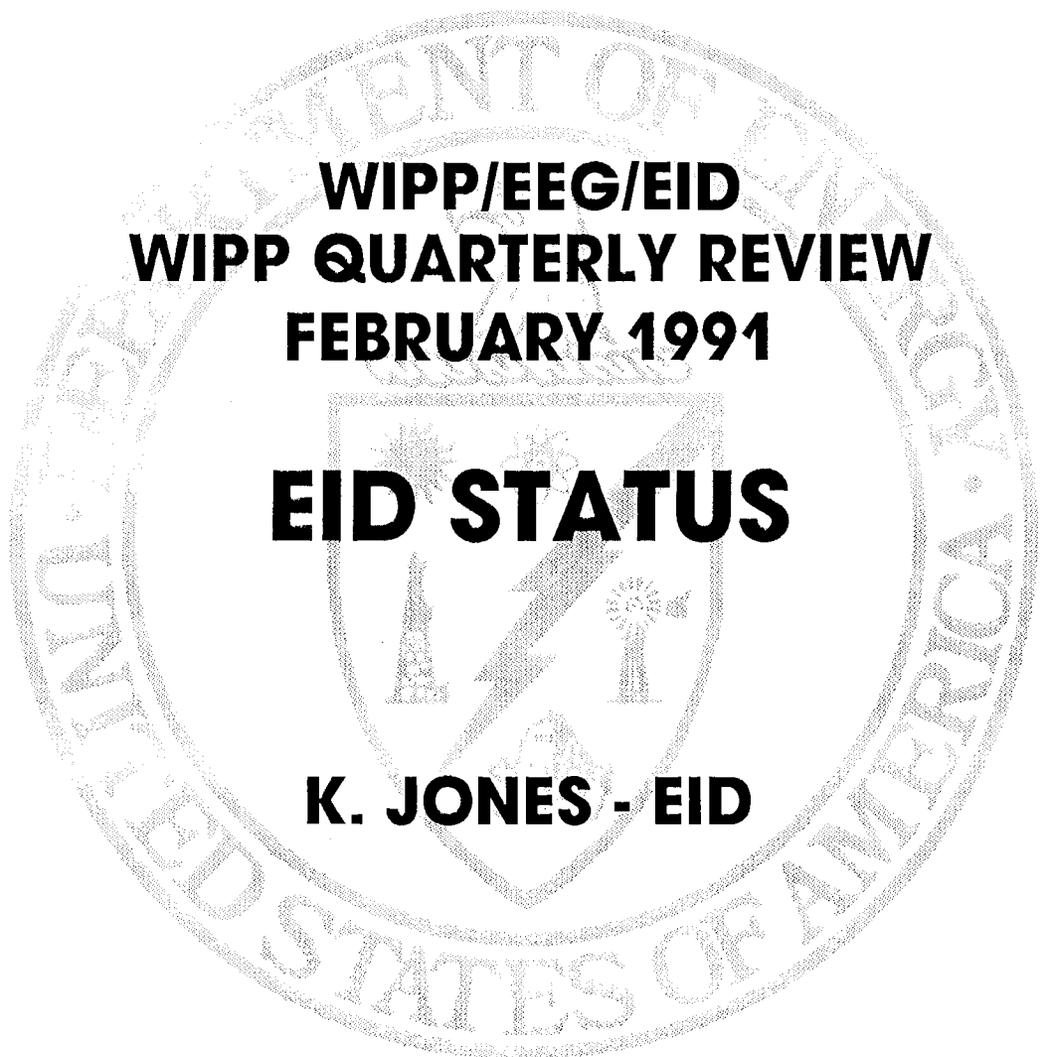


The background features a large, faint, circular seal of the United States Department of Energy. The seal contains the text "DEPARTMENT OF ENERGY" at the top and "UNITED STATES OF AMERICA" at the bottom. In the center of the seal is a shield with a lightning bolt, a sun, and a gear.

**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

EEG STATUS

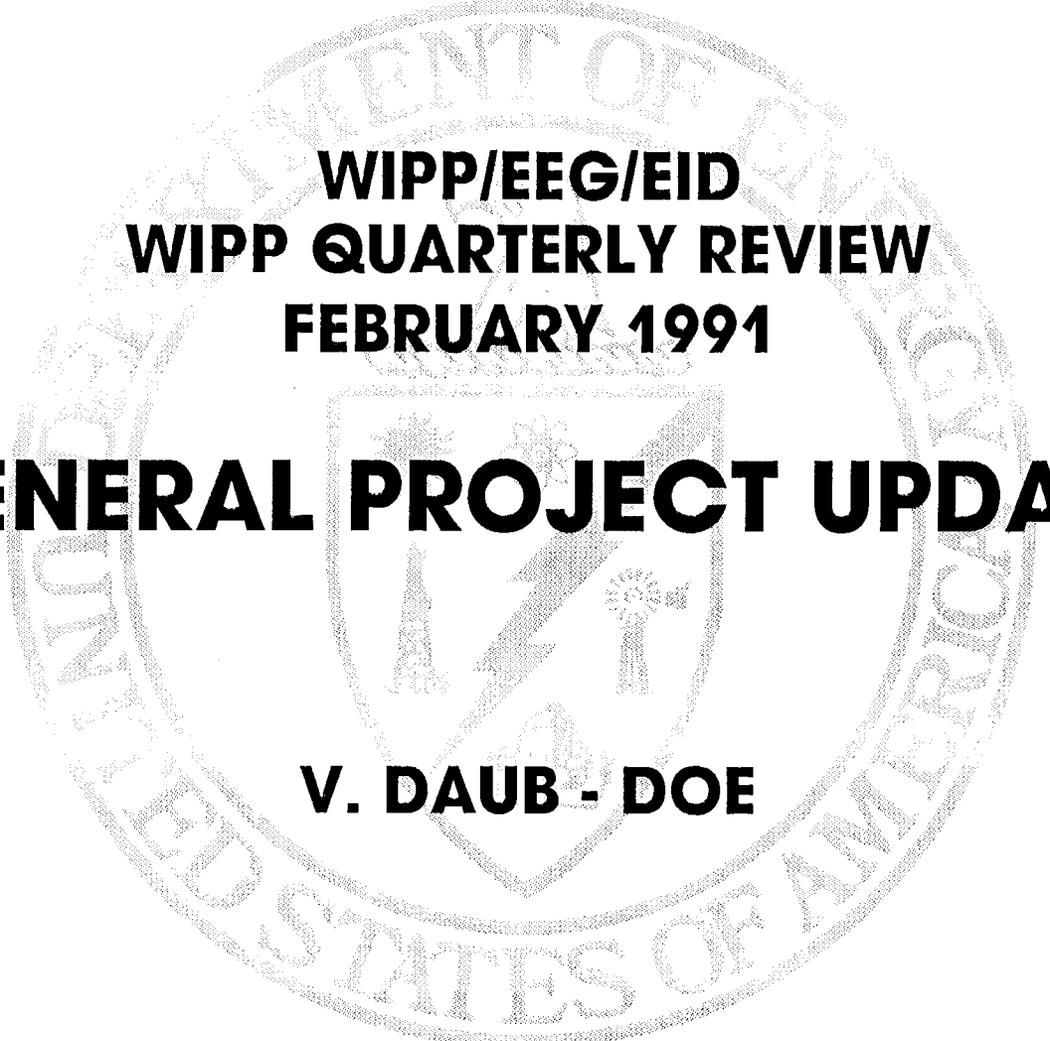
R. NEILL - EEG

The background features a large, faint, circular seal of the United States Department of Energy. The seal contains the text "DEPARTMENT OF ENERGY" at the top and "UNITED STATES OF AMERICA" at the bottom. In the center of the seal is a shield with a lightning bolt, a sun, and a wind turbine.

**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

EID STATUS

K. JONES - EID



**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

GENERAL PROJECT UPDATE

V. DAUB - DOE



WASTE ISOLATION PILOT PLANT - MAY 1990

INTRODUCTION

- **Accomplishments and activities**
- **Secretary's Draft Decision Plan**



GENERAL PROJECT UPDATE

Accomplishments

- **RCRA Part A Permit submitted to New Mexico
EID 1/22/91**
- **Administrative land withdrawal agreement was
signed by the Secretary of the Department of the
Interior 1/22/91**
- **Route designation for TRU waste shipments to WIPP
confirmed by New Mexico EIB 12/14/90**
 - **Route designation was filed with State
Records Center and DOT 1/4/91**



GENERAL PROJECT UPDATE

Accomplishments (cont.)

- **Final Safety Analysis Report (FSAR) Addendum transmitted 2/1/91 for external review**
- **Reverification of completed critical as-built drawings completed**



GENERAL PROJECT UPDATE

Accomplishments (cont.)

- **Rev. 6 of the Secretary's Draft Decision Plan was issued 1/22/91**
- **DOE/HQ-EH Readiness Review Inspection which addressed prestart items for the WIPP was orally closed out 1/24/91**
- **SNL reports on compliance with 40 CFR Part 191 Subpart B and Performance Assessment issued 12/90**
- **Rev. 6.1 Waste Characterization Program Plan issued 1/31/91**



GENERAL PROJECT UPDATE

Activities

- **Waste Characterization Plan revisions necessary when compliance methods to meet NMD requirements are fully developed and evaluated**
- **RCRA Part B Permit draft preparation is continuing and scheduled for submitted 2/28/91**



GENERAL PROJECT UPDATE

Activities

(cont.)

- **Preparations for an Integrated Systems Checkout of the bin-scale experiments are proceeding**
- **Engineered Alternatives Task Force (EATF) final report scheduled to be issued 5/17/91**



DRAFT DECISION PLAN ON WIPP

Secretary's Decision on WIPP

- **WIPP is scheduled to receive waste for Test Phase June or July 1991**
- **Health and safety issues will not be compromised to meet a specific opening date for WIPP**
- **Rev. 7 is scheduled to be issued in mid-March 1991**



SUMMARY

Prerequisites Within DOE Control

Complete

- Waste Hoist Repair
- ROD on SEIS
- Decision on Operations Demonstration
- FSAR
- Draft Waste Characterization Plan
- Waste Characterization Sites Selected
- Status Report on Disposal System
- Performance Assessment Test Plan
- Retrievability Plan
- Emergency Response Training
- Potash Lease Resolved
- Critical As-Builts

Open

- Preoperational Appraisal
- ESAAB
- Final Waste Characterization Plan
- FSAR Addendum
- Integrated Systems Checkout
- Waste Sites Ready to Ship



SUMMARY

Prerequisites Outside of DOE Control

Complete

- EPA Proposed Conditional No-Migration Variance, and Public Comments on Proposal
- EPA Approval of No-Migration Variance
- New Mexico Transportation Route Hearings
- DOE/Western State Transportation Agreement
- EPA Approval of RCRA Regulatory Authority for New Mexico
- Land Withdrawal
 - Administrative
- New Mexico Route Designation (Is expected to become effective February 1991)

Open

- Land Withdrawal
 - LegislativeNot required, but desired

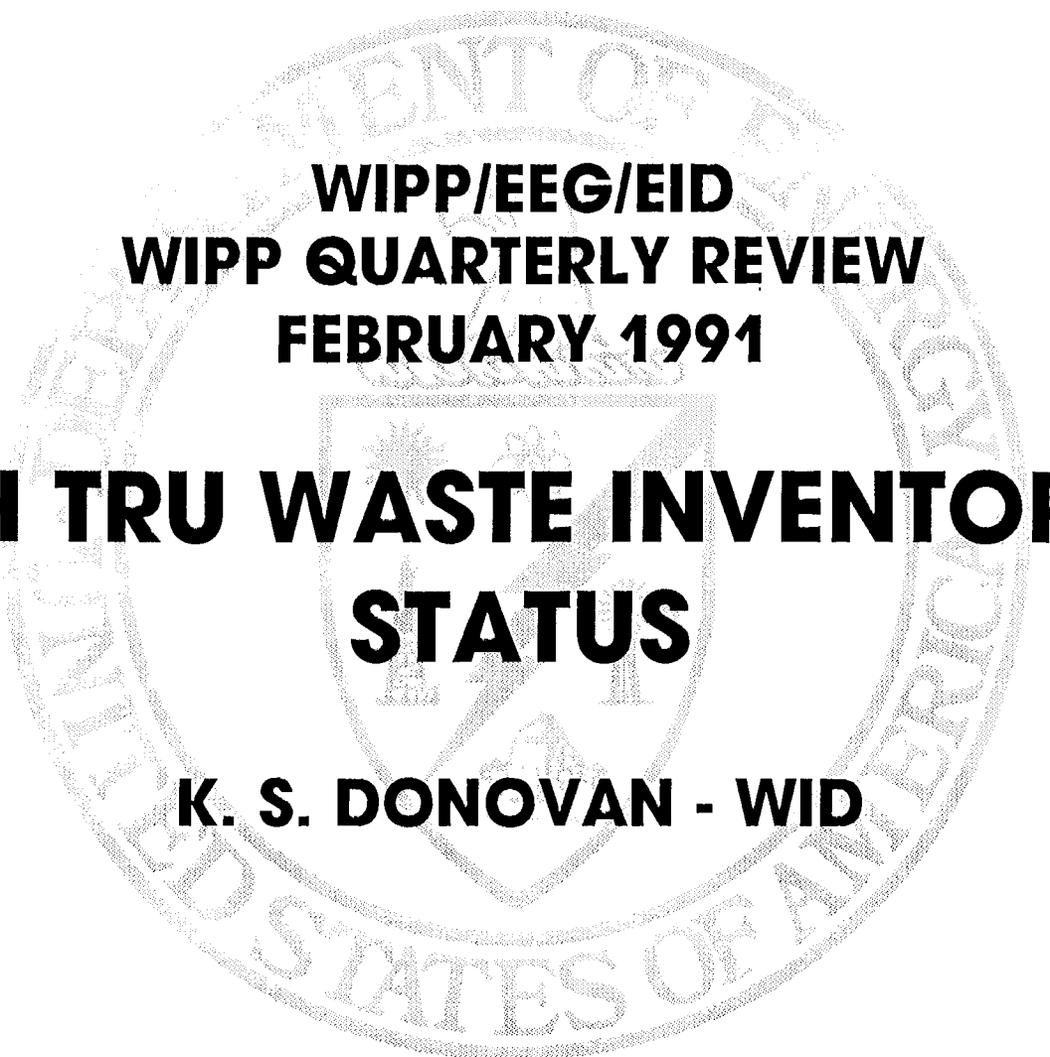


SUMMARY

Areas of Schedule Concern

- **Current areas of schedule concern include**
 - **Integrated System Checkout process**
 - **Waste Characterization
(generator site readiness)**





**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

**RH TRU WASTE INVENTORY
STATUS**

K. S. DONOVAN - WID

RH TRU INVENTORY STATUS

Objectives

- **Clarify process for entering data into IDB**
- **Show how volume projections for WIPP have been made**
- **Provide latest RH TRU inventory values**
- **Discuss role of RH TRU Task Force in addressing increased inventory**



STORED WASTE PACKAGES THAT ARE CERTIFIABLE FOR SHIPMENT TO WIPP

Container by "Waste Stream" Description	Number of Containers	External Volume of Container (M3)	Total Volume (M3)	Total Weight (Kgs)	Average Package Weight (Kgs)	Total PU (Ci)	Total all Activity (Ci)	Total of TRU-ALPHA Curies (Ci)	Average Heat Output (W/pkg)	Total Heat Output (Watts)	Isotopic Mix (See T-17) (% Activity)
--	----------------------------	---	-------------------------	--------------------------	---------------------------------------	---------------------	----------------------------------	--	--------------------------------------	------------------------------------	---

CH-WASTE

PROCESSED DRUM	1148	0.208	238.8	98678	86	9093.5	55495.5	15761.53	1.26	1446.5	26XA-43XB-26XC
----------------	------	-------	-------	-------	----	--------	---------	----------	------	--------	----------------

STANDARD BOX	41	1.9	77.9	40700	993	74.6	743.5	84	0.04	1.6	55XA-10XB-35XC
--------------	----	-----	------	-------	-----	------	-------	----	------	-----	----------------

RH-WASTE

CANISTERS	2130	1.05	2237	5743354	2700	242.1	46960	2620	.036	77	20XA-6XB-74XC
-----------	------	------	------	---------	------	-------	-------	------	------	----	---------------

- a.) Since CH-TRU waste is likely to be processed, no 79 gallon storage drums are shown.
- b.) The average watts/package for CH-TRU drums appears high because of a few packages with exceptionally high levels of radioactivity. Assaying will reveal their true readings. A mode average would be in the range of ~0.01 W/package.
- c.) The stored 55-gal drum volume reflects presence of 30-gal drums.

Assumptions:

CH: The 79-gal. overpacked drums will be processed into 55-gal. drums in a CH-TRU Repackaging Facility.
50% compaction of drummed waste
50% compaction of boxed waste.

RH: 50% volume reduction by compaction (no CH sorting).
Weight of loaded canister is 80% of maximum allowed.



STORED WASTE PACKAGES THAT ARE CERTIFIABLE FOR SHIPMENT TO WIPP

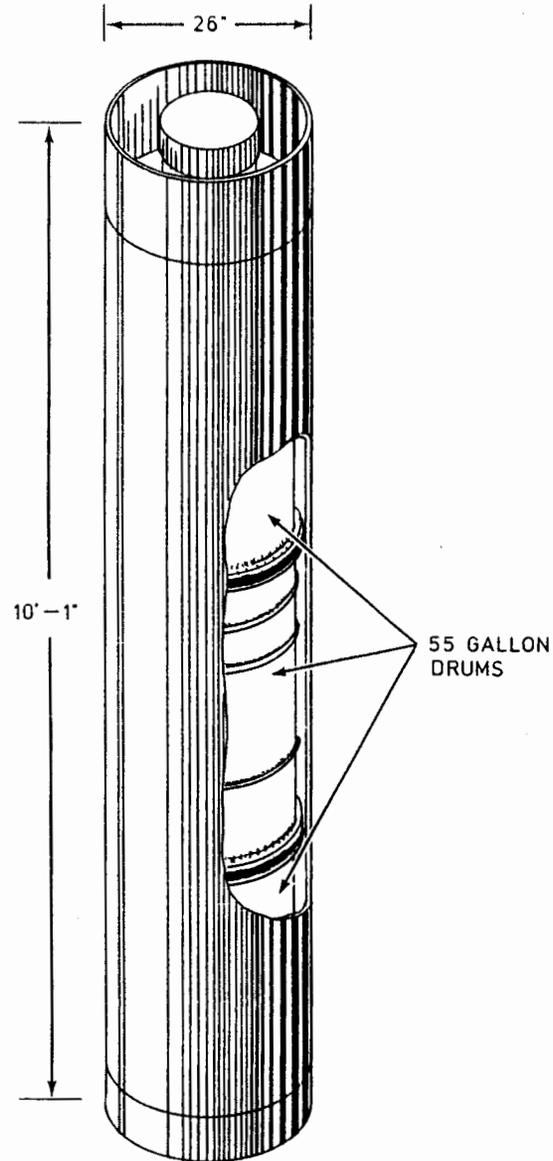
Container ^b By Waste Stream Description	Number Of Containers	External Volume Of Container (m ³)	Total Volume (m ³)	Total Weight (kg)	Average Package Weight (kg)	Total Pu (Ci)	Total Of All Activity (Ci)	Total Of TRU-Alpha Curies (Ci)	Average Heat Output (W/Package)	Total Heat Output (Watt)	Isotopic ^c Mix
CH Drums											
SWEPP	45,853	0.21	9,613	7.6E6	166	203,869	250,429	122,499	0.100	4,437.90	01
PREPP	16,718	0.21	3,558	9.1E6	545	55,107	67,693	33,113	0.050	1,213.00	01
RFP-Cert	7,545	0.21	1,569	1.6E6	216	39,349	48,336	23,644	0.050	398.47	01
CH Boxes											
FRP-Ovpk	4,273	3.17	13,545	5.4E6	1,270	17,788	21,851	10,688	0.090	215.10	01
Metal/Non-Std	672	3.80	2,554	6.0E5	900	2,428	2,982	1,459	0.090	135.00	01
RFP-SAND (Cert)	1,632	3.17	5,173	1.4E6	882	24,105	29,610	14,484	0.240	436.53	01
CH Bins											
H-III	414	3.40	1,408	4.2E5	1,010	396	486	238	0.090	9.00	02
CH Totals	77,107		37,420			343,042	421,387	206,125		6,845.00	
RH Drums											
NRF/ANL-E (30gal)	214	0.12	26	1.1E4	49	5	386	3	0.005	0.82	03
ALN-W (55gal)	4	0.21	1	4.5E1	213	0	6	1	0.004	0.02	04
RH Inserts											
ANL-W	16	0.14	2	3.4E3	211	60	4,475	35	0.003	0.04	04
RH Totals	234		29			65	4,867	39		0.88	

- This is projected data that reflects conversion of waste in storage as of 12/31/89, into waste forms shippable to WIPP through 2013.
- Total volumes under CH Drums vary due to the inclusion of 83 and 30 gallon drums in the count. Also, under CH Boxes (Metal/Non-Std), the external container volumes vary due to presence of smaller and larger (oversized) waste boxes.
- The isotopic mix distribution is listed under Table T-17.



RH TRU WASTE CANISTER

VOLUME = 0.89 M³



191H:4954c



RH TRU TO BE GENERATED FOR WIPP

Site	Annual Generation Rate (M³/YEAR)	Canisters thru 2013	Source
ANL-E	3.4	260	Hot cells
Hanford	147.3	4352	WRAP II
INEL	3.2	304	ANL-W hot cells
LANL	0.2	6	Hot cell D + D
ORNL	6.0	257	Hot cells, WHPP
Total	160.1	5179	

Source: 1990 IDB and IDB submittals



RH TRU CURRENT INVENTORY FOR WIPP

Site	RH Waste Volume M³	As Shipped Canisters	Current Location
Hanford	137	202	Caissons/trenches
INEL	29.5	89	ILTSF
LANL	28.4	22	TA-54, MST-5
ORNL	1307	2130	MVST, GST, SWSA-5
Total	1501.9	2443	

Source: 1990 IDB and IDB submittals



RH TRU WASTE PROGRAM TASK FORCE

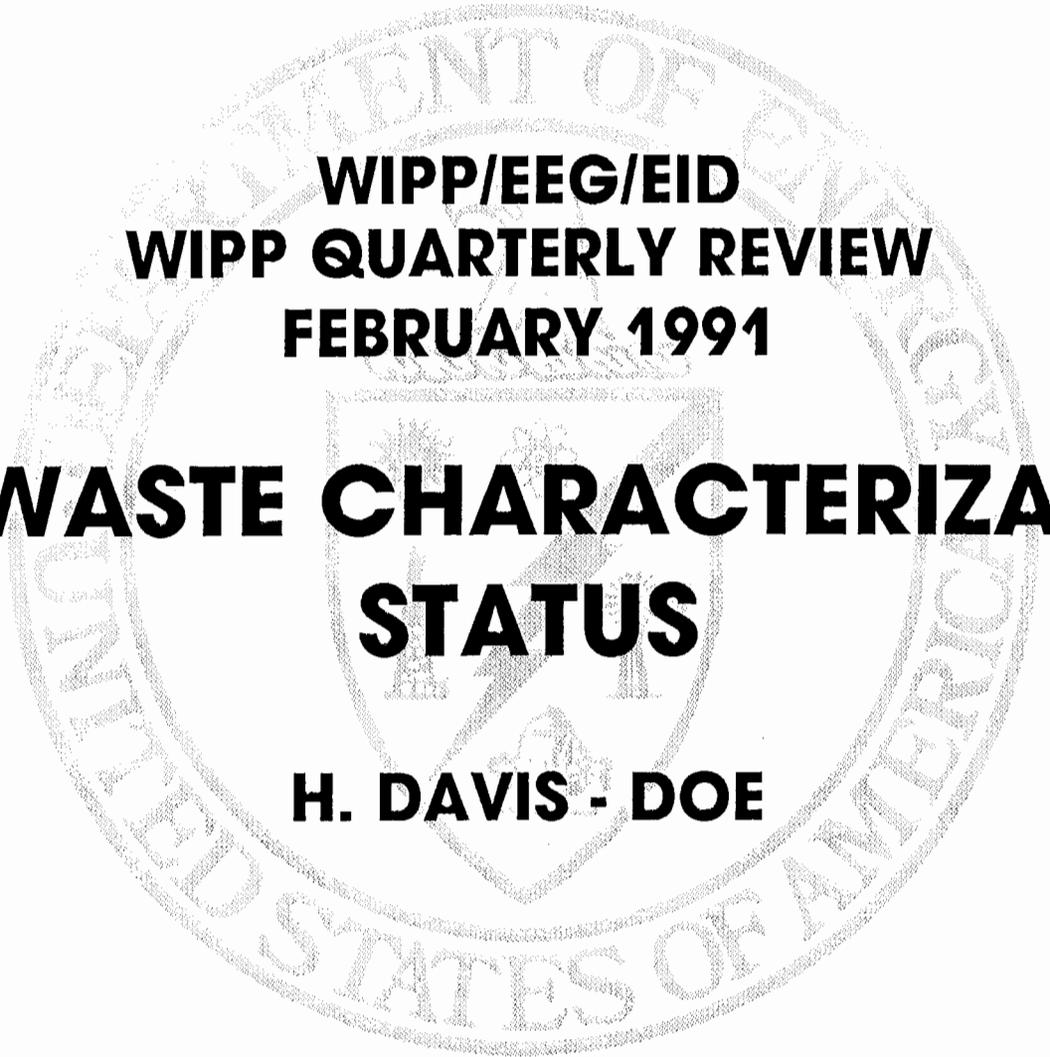
- **Established June 1990**
- **Established to study impacts of increased RH TRU waste inventory**
- **Options being discussed**
 - **Another repository**
 - **Volume reduction techniques**
 - Decontamination**
 - Thermal processing**



IMPACTS OF INCREASED INVENTORY WITHIN WIPP LIMITS

- **Transportation**
- **Emplacement scheme**
- **Lag storage at site**





**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

**TRU WASTE CHARACTERIZATION
STATUS**

H. DAVIS - DOE

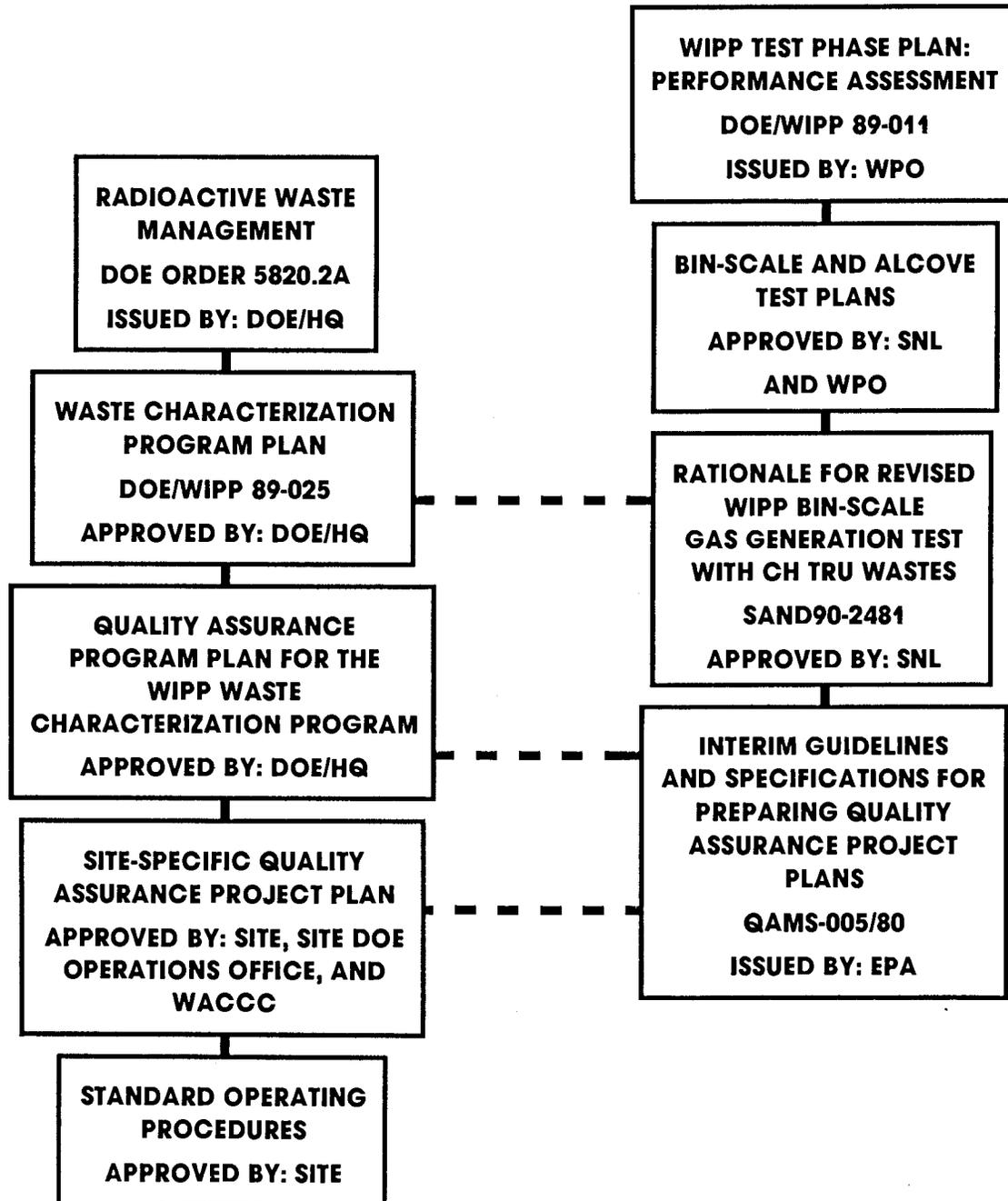
WASTE CHARACTERIZATION PROGRAM PLAN

- **Rev. 0 approved by DOE/HQ**
 - **Issued January 31, 1991**
- **Program details are contained in other documents**
 - **Bin-Scale Test Plan (SAND90-1974)**
 - **Bin-Scale Test Plan Addendum (SAND90-2082)**
 - **Sandia Rationale Document (SAND90-2481)**
 - **Quality Assurance Program Plan (QAPP)**
 - **Site QA Project Plans (QAPjP)**



DOCUMENTS GOVERNING WASTE CHARACTERIZATION

MARCH



291H:4979b



WASTE CHARACTERIZATION PROGRAM PLAN

- **Requirements from No-Migration Determination not yet included**
 - **Future revision required**
- **Includes current commitments by DOE for waste characterization activities**
- **Supports the following programs and activities:**
 - **No-Migration Variance Petition (40 CFR Part 268.6)**
 - Long-term migration**
 - Groundwater/air pathway**
 - Short-term migration**
 - Air pathway**



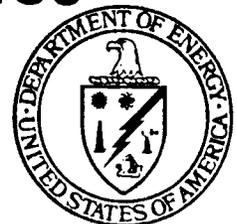
WASTE CHARACTERIZATION PROGRAM PLAN (cont.)

- **Supports the following programs and activities (cont.)**
 - **Performance Assessment (40 CFR Part 191)**
 - Test Programs**
 - Bin scale and alcove**
 - Long-term performance**
 - **RCRA characterization requirements**
- **Verification of “process knowledge”**



WASTE REQUIREMENTS FOR EXPERIMENTAL PERIOD

- **Only waste that is part of No-Migration Variance Petition can be used in tests**
 - **Table 2-1**
- **Waste selection must have statistical basis**
 - **SAND90-2481**
- **Present plans are for only RFP waste from RFP or INEL for bin tests**
- **Waste used in experiments must be “representative” of waste to be disposed at WIPP for all DOE sites**



NO-MIGRATION DETERMINATION BY THE EPA

- **Released November, 1990**
- **Limited to WIPP experimental phase only**
 - **Does not allow waste shipment to WIPP for Operations Demonstration**
- **Imposes several specific waste characterization restrictions and requirements on waste to be shipped to WIPP for the experimental phase**



VARIABLES IMPORTANT FOR REPRESENTATIVENESS

- **Cellulosics: paper, cloth, wood**
- **Plastics: bags, liners, plexiglas**
- **Rubber: gloves, aprons**
- **Corroding metal/steels: drums, waste**
- **Corroding metal/aluminum: waste**
- **“Noncorroding” metals: lead, tantalum, copper**
- **Solid inorganics: glasses, ceramics**
- **Inorganic sludges**
- **Cements: including additives**
- **Other organics: resins, organic sludges**
- **Total alpha curies**



VARIABLES IMPORTANT FOR REPRESENTATIVENESS

(cont.)

- **Headspace analysis**

- **Inorganic gases - indication of dominant processes in waste and test for potentially flammable mixture of gases**
- **Volatile organic compounds (VOCs) - presence of hazardous constituents and potentially flammable VOCs**

List based on process knowledge

Commitment to identify and quantify any additional compounds that are detected

- **Inorganic gases - gas chromatography (GC) or mass spectrometry (MS)**
- **Organic gases - GC/MS**



VARIABLES IMPORTANT FOR REPRESENTATIVENESS

(cont.)

- **Sludge analyses**
 - **Major cations and anions**
 - **pH**
 - **Volatile organic compounds**
 - **Toxic metals**
- **No commitment to analyze liquids in Rev. 0 of program plan**



VARIABLES IMPORTANT FOR REPRESENTATIVENESS

(cont.)

- **For bin-scale and alcove tests, total alpha curies are only input needed into gas generation rate calculations**
 - **All alpha curies should produce similar results for radiolytical gas generation**
 - **Elemental and isotopic differences will be important in leaching/solubility and laboratory experiments for the measurements of solubilities**
- **Presence of up to one volume percent liquid in experimental waste is allowed by SNL**
 - **Only present requirement by SNL is for determination of the “type” of liquid present in waste (i.e., inorganic or organic-based)**



REQUIREMENTS THAT RESULT FROM THE NO-MIGRATION DETERMINATION

- **Restrictions and sampling requirements on potentially flammable concentrations of gases in waste containers**
 - **Limits on flammable gas concentrations (H₂, CH₄, etc.)**
 - **Limits on flammable VOC concentrations**
 - **Specific flame test on mixture of gases if flammable VOC concentrations exceed specified limits**



REQUIREMENTS THAT RESULT FROM THE NO-MIGRATION DETERMINATION

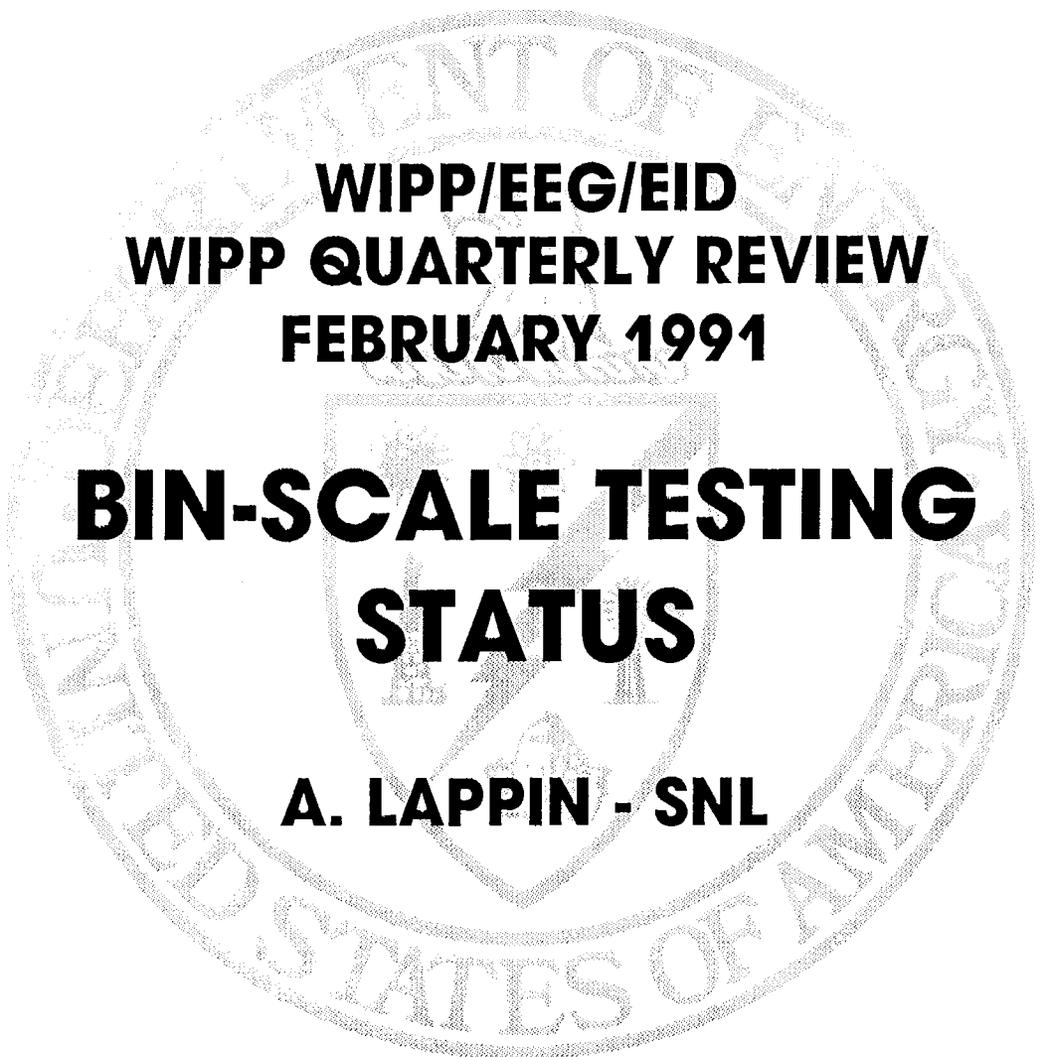
- **Basis for restrictions on nonflammable VOCs in waste containers**
 - **Calculations used in NMVP to determine compliance with hazardous releases from WIPP during testing and operational phases**
 - **Calculations are based on average concentrations of nonflammable VOCs in waste container headspace gases from TRU waste sampling program at INEL**
 - **Amount of volatile hazardous constituents released through carbon composite filter dependent on assumed concentration of hazardous constituents in waste container headspace and diffusion constant for filter**



SUMMARY

- **No-Migration Determination of the EPA requires specific characterization of WIPP experimental waste**
- **Program plan will be revised to incorporate all waste characterization requirements**
- **Implementation of these waste characterization requirements, and revision of the program plan, is being coordinated by the Bin Prep Task Force**





**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

**BIN-SCALE TESTING
STATUS**

A. LAPPIN - SNL

FSEIS SAND REPORT

- **Documents updated DRZ description, transport calculations under undisturbed and human-intrusion conditions, and dose assessments**
- **Completed in support of WIPP FSEIS**
- **Draft chapters were distributed to reading rooms prior to release of FSEIS**
- **To printer 1/11/91**

**Lappin, A.R., R.L. Hunter, P.B. Davies, D.J. Borns,
M. Reeves, J. Pickens, and H.J. Iuzzolino,**

**1990: Systems Analysis, Long-Term Radionuclide Transport,
and Dose Assessments, Waste Isolation Pilot Plant (WIPP),
Southeastern New Mexico; September 1989; SAND90-1996,
Sandia National Laboratories, Albuquerque, NM**



BIN-SCALE TEST PLAN ADDENDUM

- **Consistency check bin-test FSAR addendum completed 1/23/91**
- **Addendum to printer 1/25/91**
- **Documents statistical approach to testing, including Phase 0**
- **Recognizes need for sampling and possible gas purging on surface, in response to RCRA and N-MD**

**Moleckle M.A., and R.A. Lappin,
1990: Test Plan Addendum # 1:
WIPP Bin-Scale CH TRU Waste Tests; SAND90-2082,
Sandia National Laboratories, Albuquerque, NM**



RATIONALE REPORT

- **Documents statistical basis to waste selection, waste characterization, and experimental test matrices**
- **Documents revised test matrices for HO, LO, and PS waste**
- **Considers multiple regulatory considerations and timeframes of interest - 40 CFR 191, 40 CFR 268, NEPA**

**Lappin, A.R., C.A. Gotway, M.A. Molecke, and R.L. Hunter,
1990: Rationale for Revised WIPP Bin-Scale Gas-Generation Tests
with CH TRU Waste; SAND90-2481,
Sandia National Laboratories, Albuquerque, NM**



RATIONALE REPORT

(cont.)

- **Completed in draft 9/24/90; extensive DOE-internal review; approximately 60 percent rewritten in response to comments**
- **Statistical approach based on meetings week of 1/14/91**
- **Sandia-approved, camera-ready copy will be available 2/18/91**

**Lappin, A.R., C.A. Gotway, M.A. Molecke, and R.L. Hunter,
1990: Rationale for Revised WIPP Bin-Scale Gas-Generation Tests
with CH TRU Waste; SAND90-2481,
Sandia National Laboratories, Albuquerque, NM**



SNL BIN-TEST SUBSYSTEMS/ACTIVITIES

- **Thermocouples**
- **Gas-recirculation loop**
 - Including oxygen sensors, RH sensor, Rn scintillator, gas-sampling loop
- **Gas getting system**
 - Including getting carts, canisters, vendor-supplied, modified
- **Solenoid-operated valve string**
- **DAS**
 - Including cabling, and all aspects DAS shed and trailer
- **Underground leak testing and equipment**



SNL BIN-TEST SUBSYSTEMS ACTIVITIES

(cont.)

- **Tracer-gas injection**
- **Gas purging**
 - **Both above and below surface**
- **Gas pressurization, depressurization**
- **Flammable gas analysis**
 - **Procedure, methodology development**
- **Reactive gas analysis**
 - **Procedure, methodology development**
- **Stable gas analysis**
 - **Procedure, methodology development**



**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

**SOLUBILITY/LEACHING TEST
STATUS**

B. BUTCHER - SNL



SOLUBILITY/LEACHING TEST

- **Develop test plan**
 - **Publish September 1991**
- **Select test sites**
 - **Multiple sites**
- **Characterize and prepare test waste**
- **Conduct tests**
 - **Two-year test period**



SOLUBILITY/LEACHING TEST

TEST TYPES

- **Drum scale**
 - Existing waste - Level 1
 - Shredded and grouted - Level 2
- **Liter scale**
 - Thermally processed waste - Level 3



SOLUBILITY/LEACHING TEST

- **Fully saturated test conditions**
- **Two or three wall containment**
- **Containers agitated periodically**
- **Minimal gas testing in some tests**
 - **Comparison with bin-test results**



**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

**OPERATIONAL READINESS
STATUS**

J. MEWHINNEY - DOE

EXTERNAL OPERATIONAL READINESS REVIEW

- **DOE/EH and DOE/AL will perform parallel reviews**
- **DOE/EH and DOE/AL will function as an integrated team during the ORR, but will submit separate reports to their management**
- **DOE/NS will overview the review process. This overview role includes interaction with DOE/AL and DOE/EH during the ORR**
- **EEG, EID, and DOE/EM will be observers**
- **There will be no other external review groups**
- **The review process will involve only the safety aspects of the bin-scale experiments**



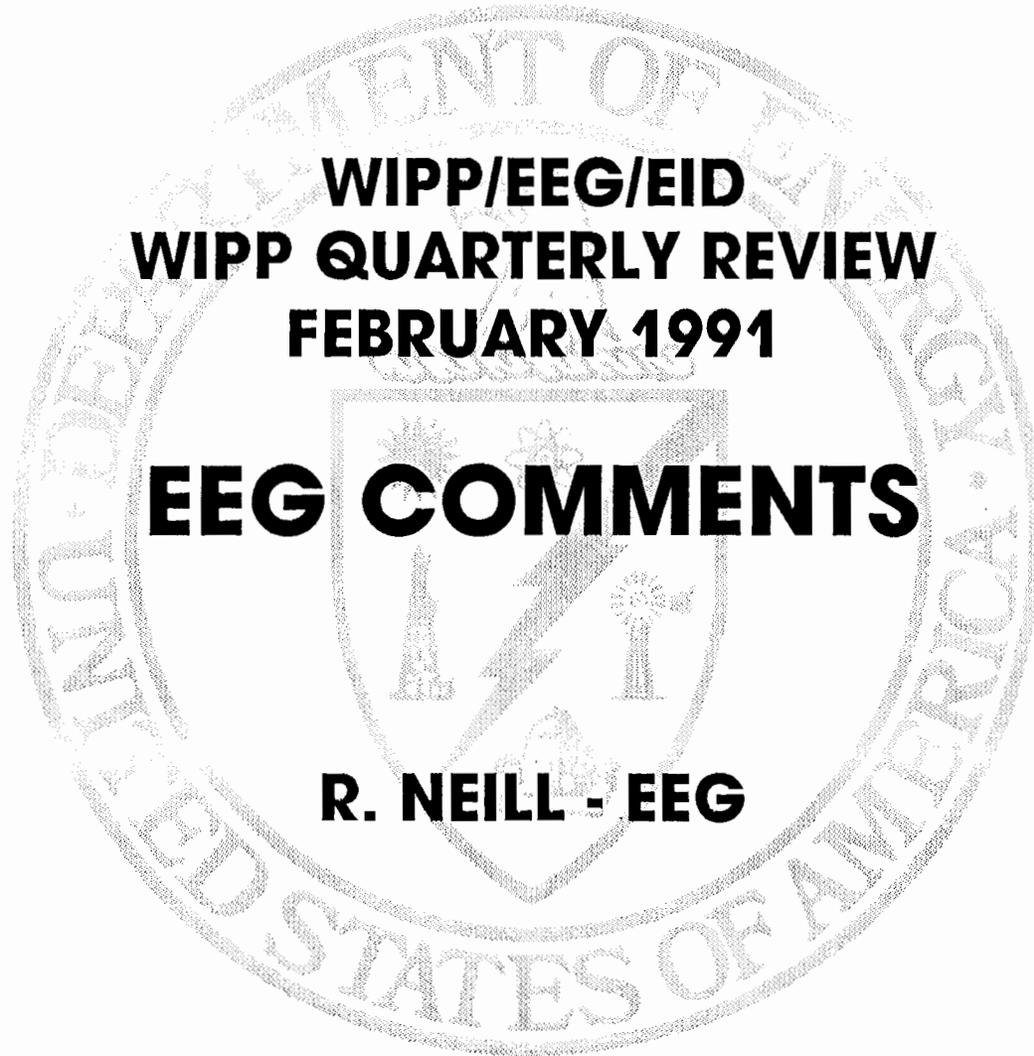
EXTERNAL REVIEW STATUS

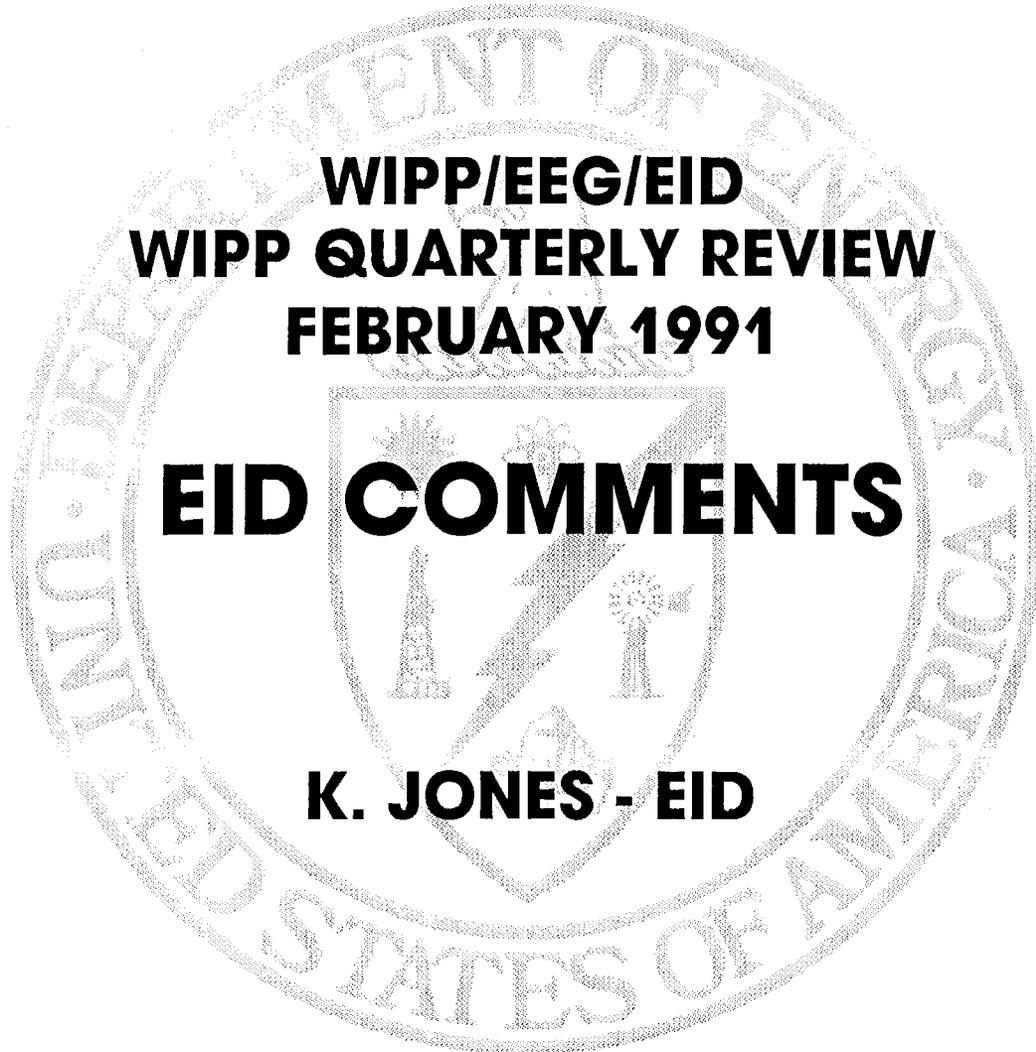
	<u>RECOMMENDATIONS</u>	<u>COMPLETE</u>	<u>REMAINING</u>
Westinghouse Corporate - Phase I	41	20	21
DOE/AL - Phase I	129	126	3
Westinghouse Corporate - Phase II	151	136	15
Westinghouse Environmental Affairs	46	32	14
DOE/WPO Operational Appraisal	123	119	4
DOE/AL Phase II	287	271	16
Westinghouse Nuclear Safety and Environmental Oversight	9	6	3
DOE/HQ - EH	267	264	3
Advisory Committee on Nuclear Facility Safety	37	21	16
Blue Ribbon Panel	106	106	0
DOE/AL Safety Audit	9	4	5
Westinghouse Nuclear Safety and Environmental Oversight	13	0	13
TOTAL	1218	1105	113

**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

EEG COMMENTS

R. NEILL - EEG

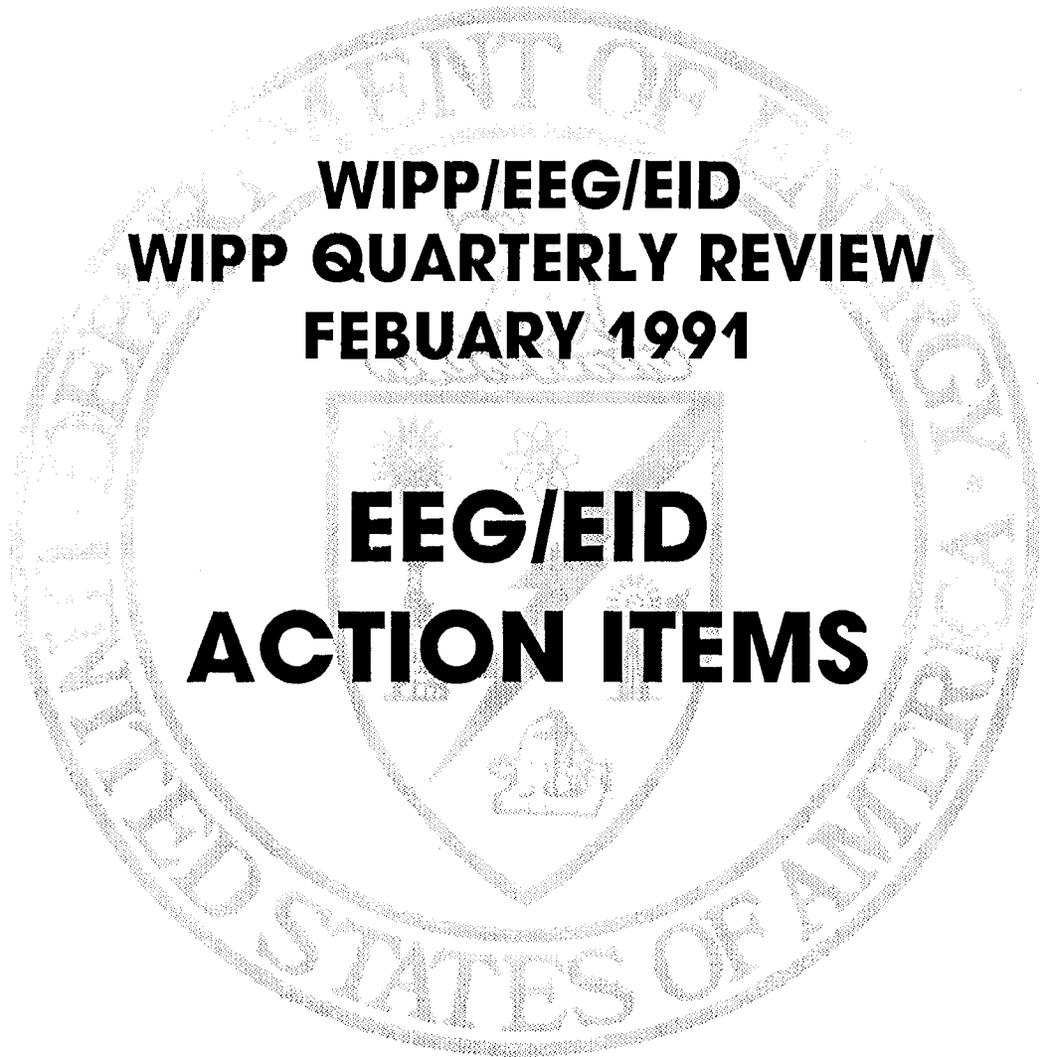




**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

EID COMMENTS

K. JONES - EID



**WIPP/EEG/EID
WIPP QUARTERLY REVIEW
FEBRUARY 1991**

**EEG/EID
ACTION ITEMS**

STATUS OF EEG/EID ACTION ITEMS FEBRUARY 1991 QUARTERLY REVIEW MEETING

ITEMS COMPLETED

- **Waste Acceptance Criteria Certification Committee status**
 - **EID and EEG regularly invited to participate in WACCC audits at waste generator facilities**
- **TRU waste characterization**
 - **Complete DOE TRU waste program update meeting was held and attended by the EID and EEG 1/7-10/91**
 - **Requirements imposed under the authority of RCRA have been discussed with the EID**
- **EEG and EID were notified of changes in the RH TRU waste inventory November 1990**



STATUS OF EEG/EID ACTION ITEMS FEBRUARY 1991 QUARTERLY REVIEW MEETING

ITEMS COMPLETED (cont.)

- **Information on the well which starts beneath the WIPP site on the James Ranch Unit provided to the EEG 12/3/90**
- **Information on EH-30 critical audit findings numbers 37 and 50 provided to EEG 1/16/91**
- **Responses to EEG comments on the Program Plan for Pretest Characterization of WIPP Experimental Waste provided to EEG 11/21/90**
- **Part A RCRA Permit provided to the EID 1/22/91**



STATUS OF EEG/EID ACTION ITEMS FEBRUARY 1991 QUARTERLY REVIEW MEETING

ITEMS COMPLETED (cont.)

- **Response to EEG comments on Dr. George Griswold's concerns of mining and oil/gas activity on the WIPP provided 12/5/90**
- **Response to observed cracks in the trailer to be used to transport TRUPACT-II containers was provided 11/13/90**
- **Provided information to EEG on the design specification of the Waste Hoist regarding maximum number of trips each day**



**STATUS OF EEG/EID ACTION ITEMS
FEBRUARY 1991 QUARTERLY REVIEW MEETING
ITEMS IN PROGRESS**

- **Provide to EEG rectangular TRUPACT-I cost information**
- **Respond to EEG's comments on the WACCC Charter and Management Plan**
- **Provide responses to EEG and EID on comments regarding the updated RH TRU waste inventory**



STATUS OF EEG/EID ACTION ITEMS FEBRUARY 1991 QUARTERLY REVIEW MEETING

ITEMS IN PROGRESS (cont.)

- **Responses to EEG's comments on:**
 - **Radiation exposure related to radiography work on the TRUPACTs**
 - **Applicability of DOE Order 6430.1A on WIPP**
 - **Waste Shaft liner**
 - **MSHA inspection conducted during 1990**
 - **TRUPACT-II dock hood design**
 - **Continuous Air Monitors**
 - **FSAR**



STATUS OF EEG/EID ACTION ITEMS
FEBRUARY 1991 QUARTERLY REVIEW MEETING
ITEMS IN PROGRESS
(cont.)

- **The Integrated System Checkout Procedures are presently being developed**
- **Test Plan Addendum #1 (Rev.2) : WIPP Bin-Scale CH TRU waste tests is in review**
- **The draft FSAR Addendum is in DOE review and scheduled to be issued for external review 1/31/91**



STATUS OF EEG/EID ACTION ITEMS
FEBRUARY 1991 QUARTERLY REVIEW MEETING
ITEMS IN PROGRESS
(cont.)

- **Part B RCRA Permit to be submitted to EID
2/28/91**
- **Response to EID comments on factors related
to waste retrieval and disposition is being
developed**
- **Responses to EEG's comments on the
Environmental Protection Implementation Plan
for WIPP**



**STATUS OF EEG/EID ACTION ITEMS
FEBRUARY 1991 QUARTERLY REVIEW MEETING
ITEMS IN PROGRESS
(cont.)**

- **Response to EEG comments on Assurance Requirements 40 CFR 191.14e is in DOE review**
- **Information regarding any explosions, ignitions, or severe over-pressurizations in drums or storage boxes at waste generator sites is being prepared for EEG**

