

December 16, 1996

MEMORANDUM TO: Micheal F. Weber, Chief  
Licensing Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

THRU: George Pangburn, Section Chief  
Licensing Section 2  
Licensing Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

FROM: Gary C. Comfort, Jr. Original signed by:  
Licensing Section 2  
Licensing Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

SUBJECT: MEETING MINUTES FOR DECEMBER 10, 1996, MEETING ON WEST  
VALLEY DEMONSTRATION PROJECT (WVDP) RESOURCE REQUIREMENTS

On December 10, 1996, U. S. Nuclear Regulatory Commission staff members met with representatives of the Department of Energy (DOE), New York State Energy Research and Development Authority (NYSERDA), and West Valley Nuclear Services (WVNS). A list of attendees is attached. The purpose of the meeting was to discuss how and to what extent DOE envisions NRC's participation in activities at the West Valley Demonstration Project (WVDP) over the upcoming fiscal years. A copy of the handout is attached.

DOE is proposing a 10-year program for the completion of decommissioning activities at the WVDP, severely compressing previous schedules which envisioned decommissioning activities through the year 2020. In order to accommodate this schedule compression, DOE is requesting that NRC interact more swiftly and with more resources than NRC originally planned for in the upcoming fiscal years. As DOE is mandated by the WVDP Act of 1980 to decommission to criteria prescribed by NRC, DOE is requesting that NRC develop criteria and document the criteria in the next draft of DOE's environmental impact statement for site termination. To meet current schedules, DOE plans to issue a record of decision on a preferred decommissioning alternative by June 1988.

Project M-32

Attachments:

1. List of Attendees
2. 12/10/96 DOE Handout

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NAME	GComfort/rt		PSheedy <i>WS</i>	GPangburn <i>GP</i>	
DATE	12/16/96		12/16/96	12/16/96	

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Licensing Section 2 *Acc for GP*  
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FROM: Gary C. Comfort, Jr.  
Licensing Section 2 *GCJ*  
Licensing Branch  
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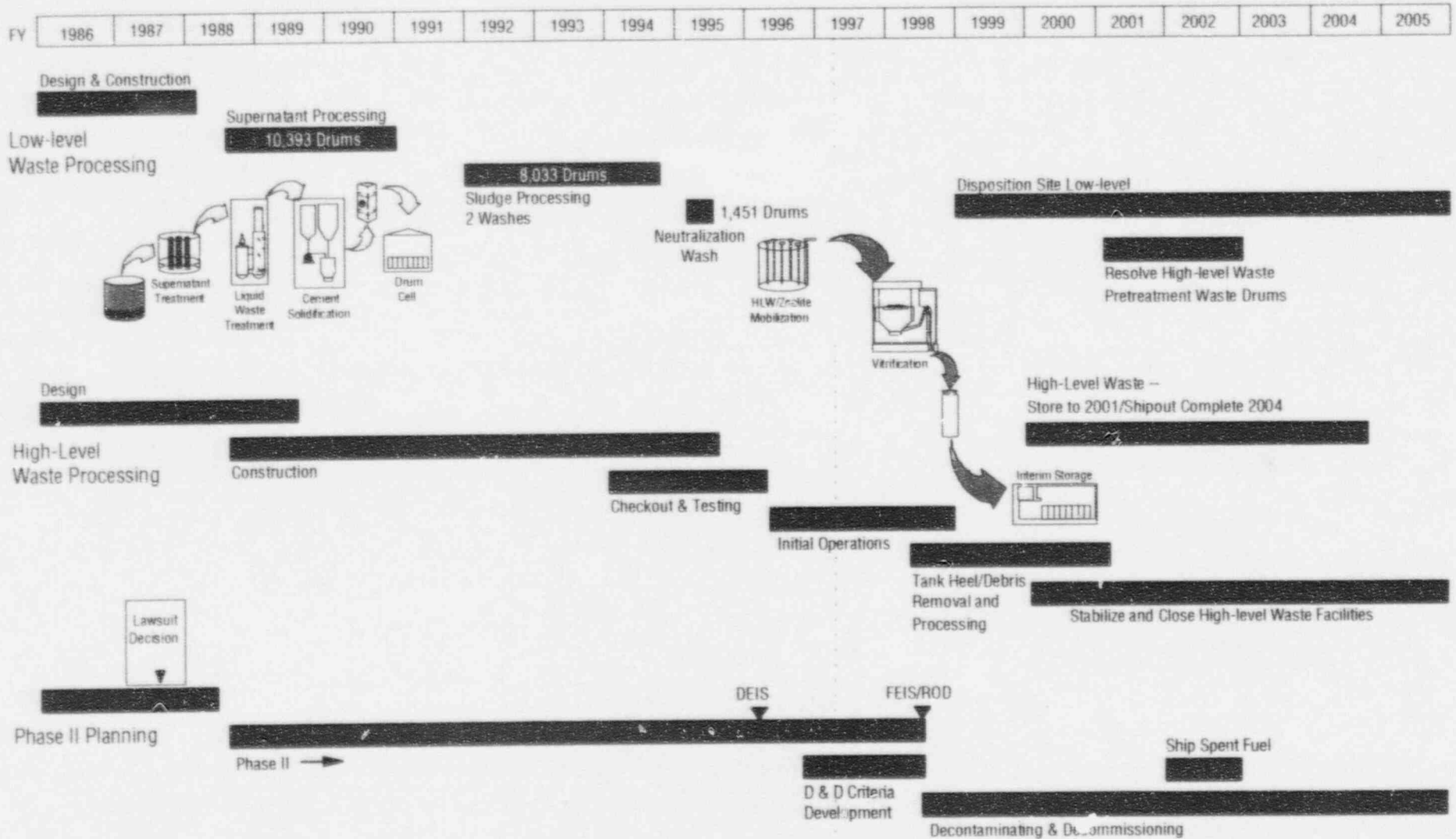
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# WVDP Master Schedule



## CURRENT STATE OF WVDP

Project in Transition:

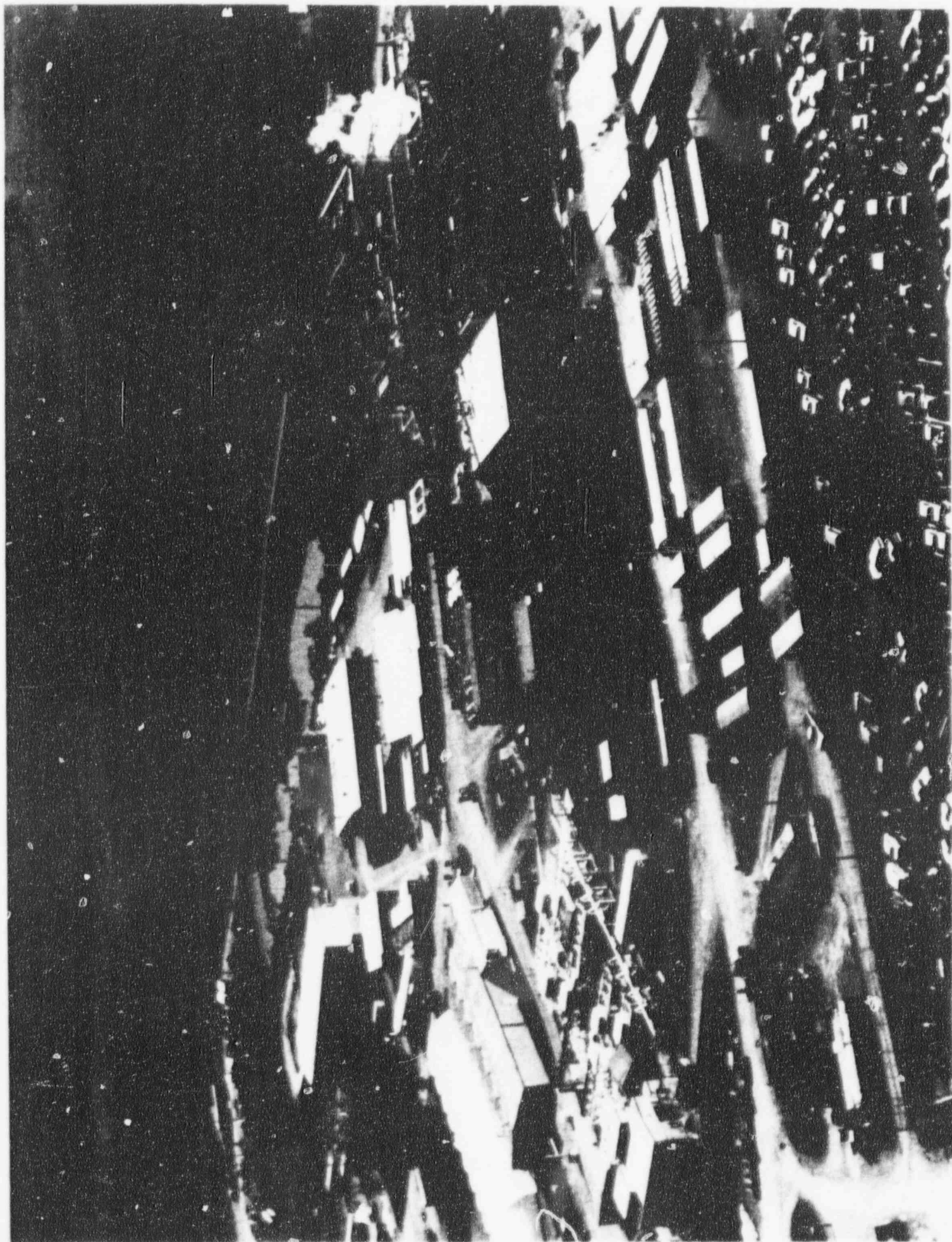
### Current Status

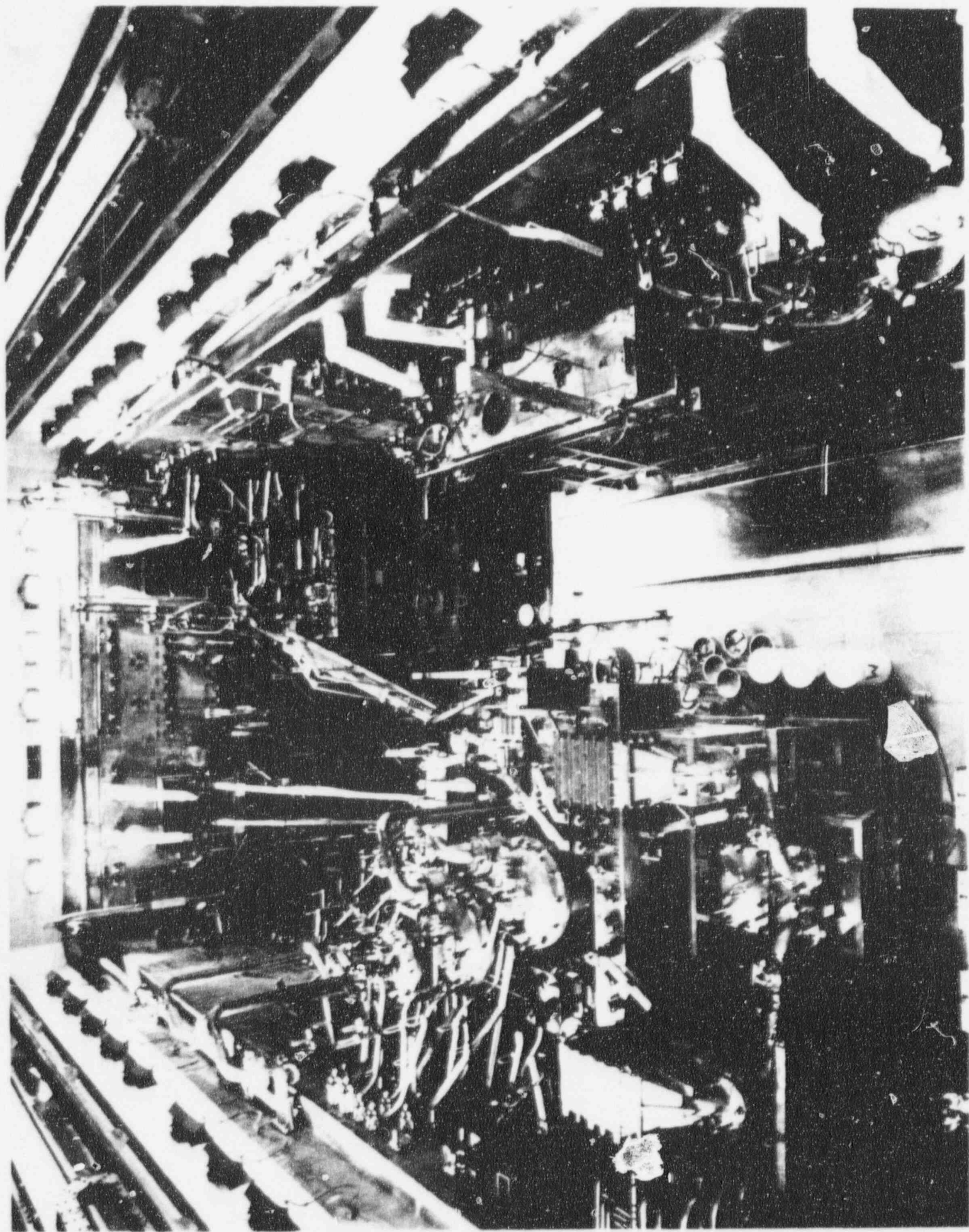
- 20,000 NRC Part 61 Endorsed Cement Drums in Storage;
- 1.9M Curies of Cs and Sr Removed from HLW Tank 8D-2;
- 49 Canisters of Vitrified HLW Filled; 42 in Interim Storage; and
- Vitrification Operations Proceeding Safely.

### What Lies Ahead

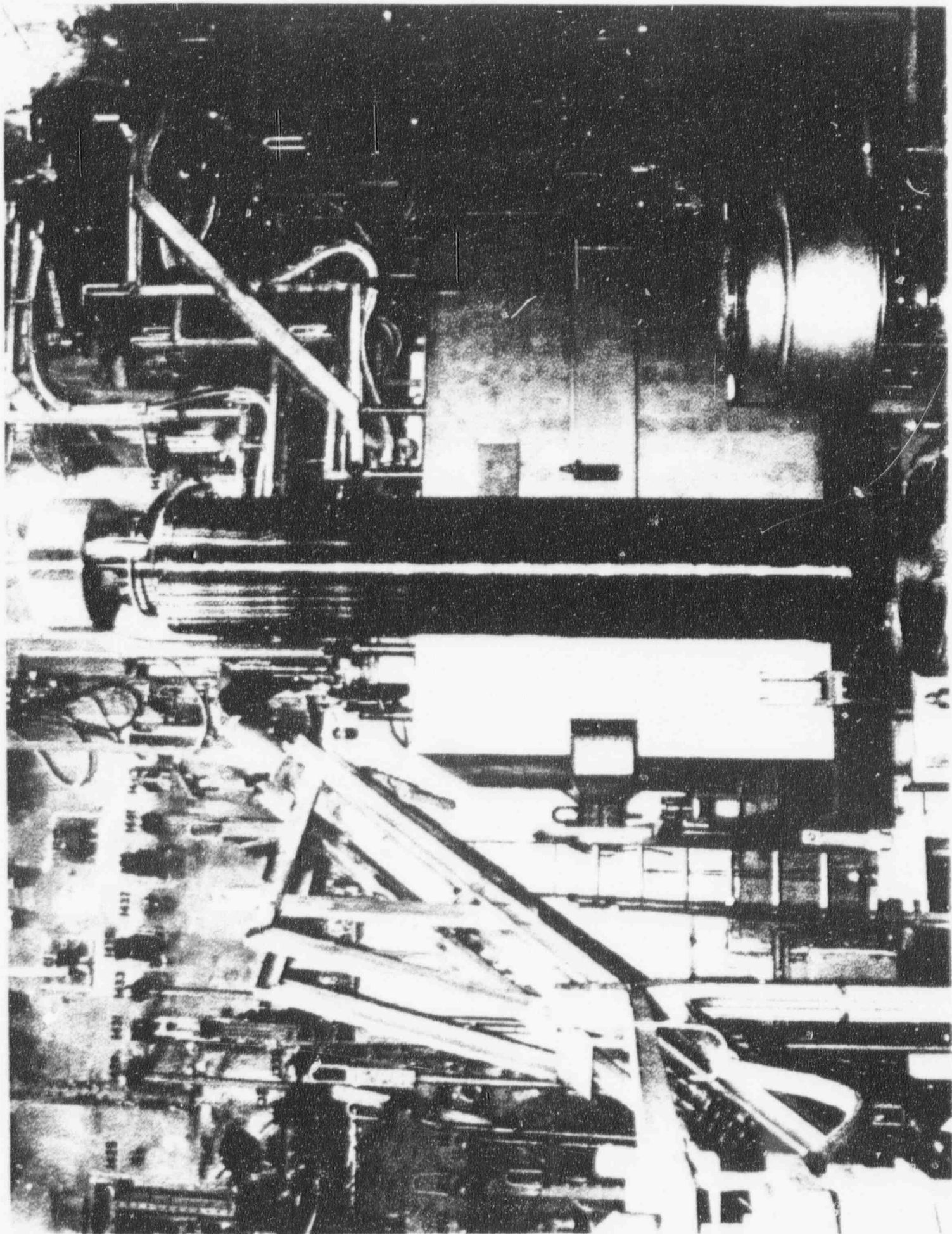
- Completion of FEIS/ROD, to Include D&D Criteria;
- EM/Ohio Ten-Year Plan - Strong Desire to Accelerate Cleanup; Complex-Wide;
- Melter Utilization Activities to Vitrify Additional High Activity Material (e.g., Tank Heels);
- Shipout of HLW/Spent Fuel;
- ROD Implementation; and
- Increasingly Difficult Fiscal Budget Outlook.

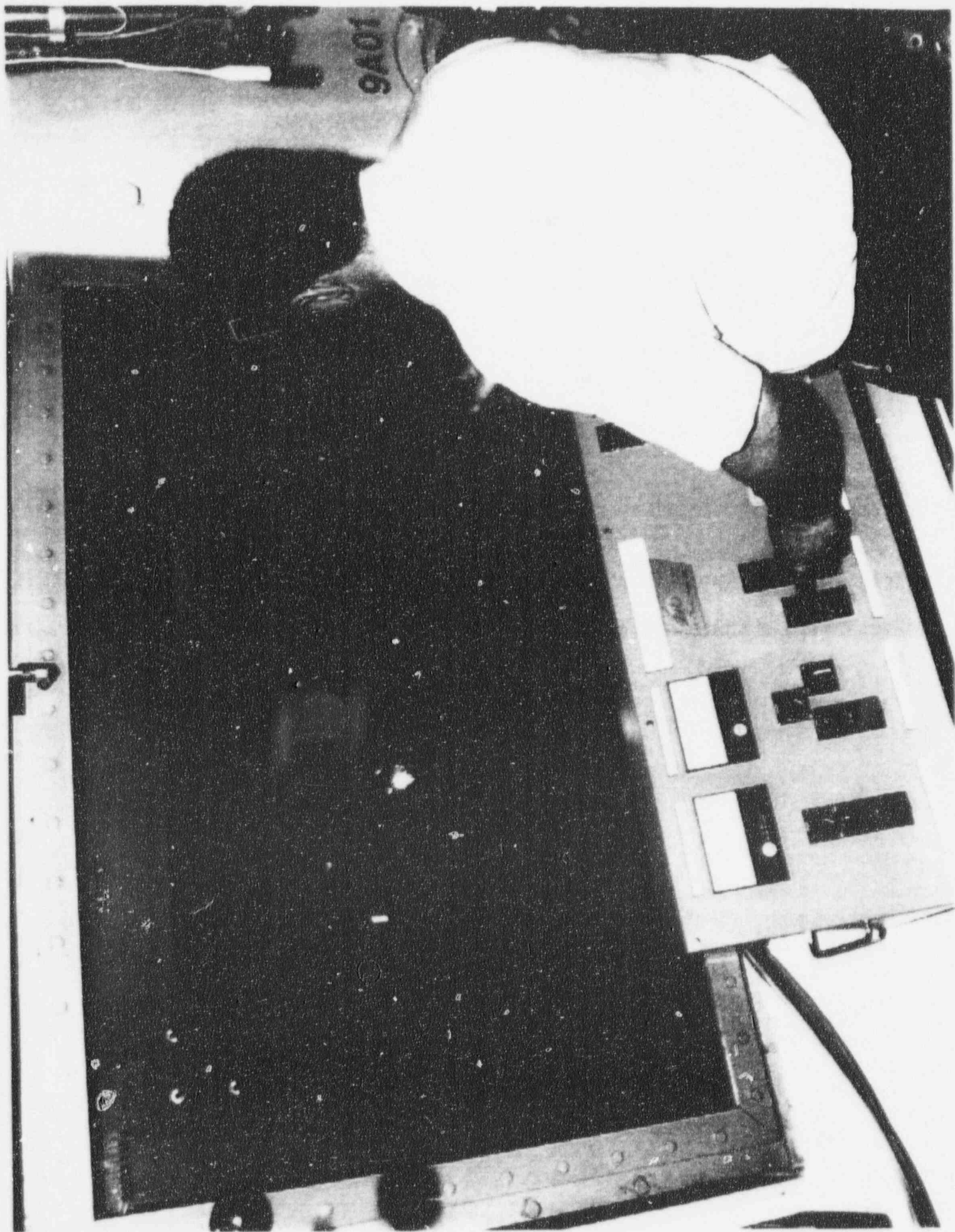




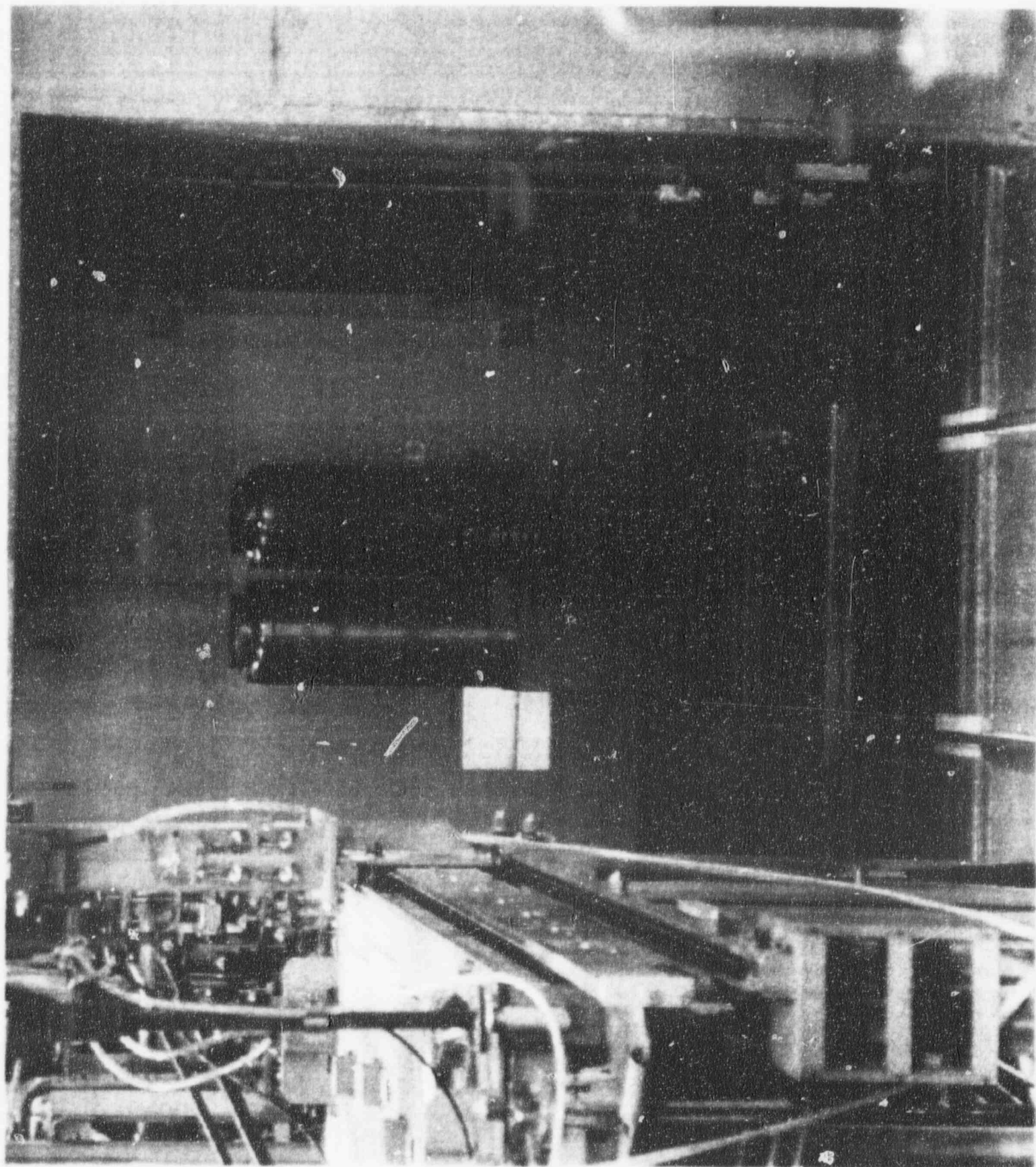


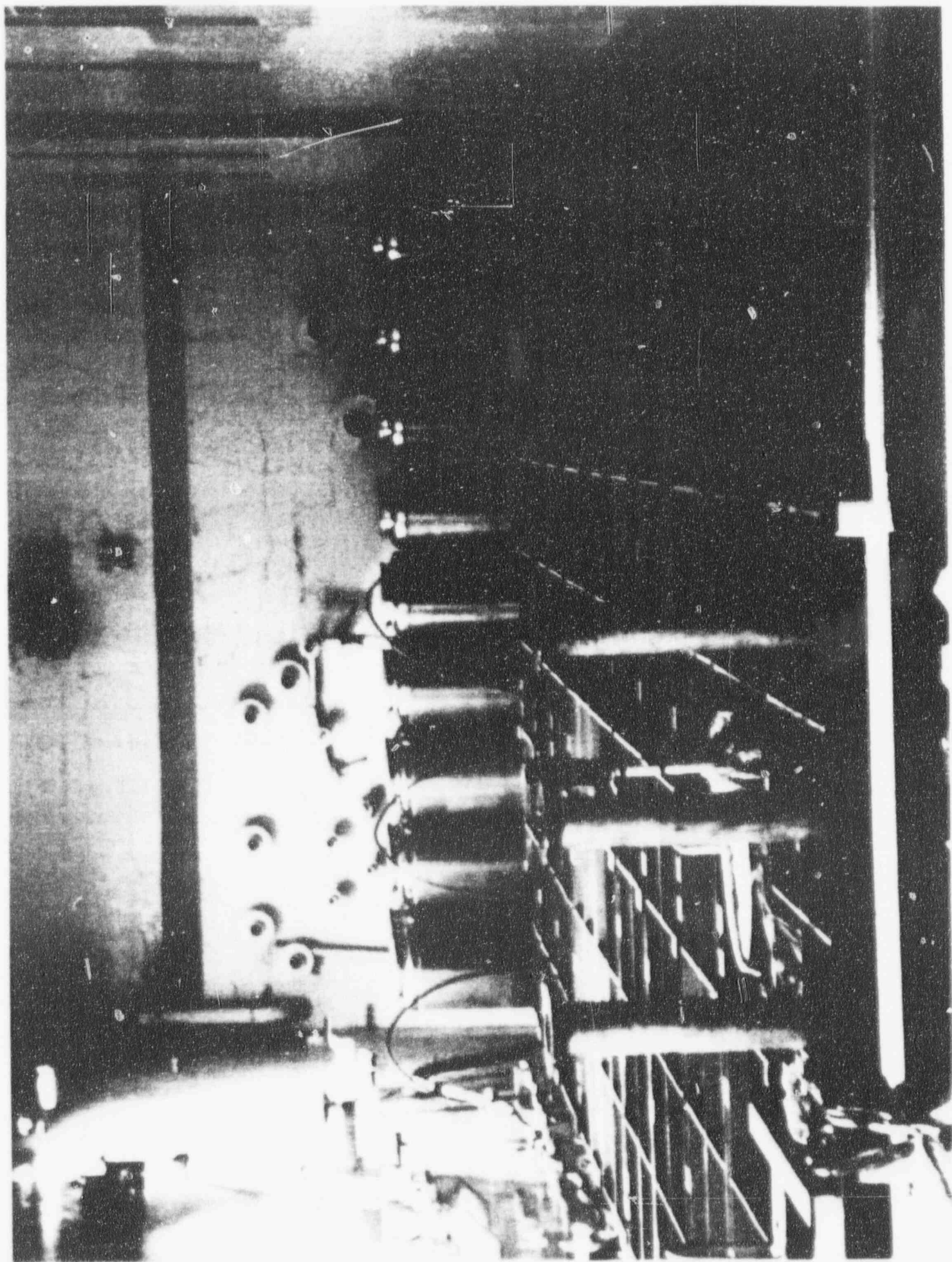












## PAST NRC INVOLVEMENT AT WVDP:

- NRC Review of Plan to Solidify HLW;
- Safety Analysis Report independent Reviews and Development of Safety Evaluation Reports;
- Reviewed and Endorsed LLW Cement Recipe in Accordance with Part 61;
- Performed Comprehensive Annual Safety Reviews to Include:
  - .. Radiological Control;
  - .. Criticality Safety;
  - .. Effluent Monitoring and Discharges; and
  - .. Laboratory Analytical Chemistry Methods;
- Performed Split Evaluations of Environmental TLDs;
- Frequent Visits from NRC Region I Point of Contact; and
- Cooperating Agency in EIS for Project Completion.

Bottom Line: NRC Involvement at WV Helps Ensure Worker and Public Safety and Enhances Public Support and Confidence.

- Increased Involvement in On-Going EIS Process will Help Ensure:
  - Public Confidence in Decisions;
  - Coordination and Consistency Among All Parties (DOE, NYSERDA, NRC) for Their Respective Decisions Relative to the Future of the Site; and
  - Earlier Implementation of ROD/Continuation of Funding for Project.



## SUMMARY:

- Continued NRC Involvement at Regional and Headquarters Level Necessary to Fulfill WV Act and MOU;
- Written Projections for WVDP Needs Submitted to NRC in 1994 and 1996;
- Near Term Support Needed in FY1997 During Critical Transition Period; and
- In Accordance with Umbrella DOE/NRC MOU, WVDP can Assist NRC to Justify Outyear Budget Appropriation for WV Support Needs, if Necessary.

**PROJECTED NRC INVOLVEMENT AT WVDP**

Task Description	NRC Action	Type of NRC* Support Required	Projected Time Frame Fiscal Year	Estimated Manhours**
Environmental monitoring program (data processing) - labs, analytical procedures and rad material handling	Support Region	Technical	Annual Review (97, 98, 99)	144 hrs/yr (1 audit/yr, 3 people, 5 days/audit, 24/hrs/report/audit)
Monthly Field Reviews	Region	Technical	97, 98, 99	240 hrs/yr (1 person, 1 every 2 months)
Annual Assessments	Region	Technical	Annual (97, 98, 99)	140 hrs/yr (1 assessment/report/qtr, 4 people, 3 days/assessment, 24 hrs/report)
Radiological contamination in the environment (e.g., North Plateau)	Follow Region and HQ	Technical	As Required (97, 98, 99)	48 hrs/yr (1 person, 2 days/topic, 3 topics/yr)
NRC Review Heel Processing Plan	Review HQ	Technical	Jan. 1, 1997, - Feb. 28, 1997	120 hrs
NRC Review Tank Heel Removal Chemical Wash Safety Analysis (Includes oxalic acid report)	Review HQ/Issue SER	Technical	Aug. 1998 - Feb. 1999	480 hrs
NRC Review HEC Processing Plan	Review HQ	Technical	April 1997 - June 1997	160 hrs
NRC Review HEC Safety Analysis	Review HQ/Issue SER	Technical	July 1997 - December 1997	480 hrs
Interface with NRC on shipout of glass.	Support HQ	Technical	1997 - 1998 intermittent	80 hrs

**EIS-RELATED INVOLVEMENT**

Description	NRC Action	Type of NRC* Support Required	Projected Time Frame Fiscal Year	Estimated Manhours**
Review conceptual approach for establishing site D&D criteria including assistance in draft schedule development.	Technical discussions and support; attend meetings	Technical/ Legal	2nd quarter FY1997	TBD
Review legal strategy regarding classification of West Valley wastes.	Review proposed strategy/ endorse	Technical	2nd quarter FY1997	TBD

**PROJECTED NRC INVOLVEMENT AT WVDP**

Task Description	NRC Action	Type of NRC's Support Required	Projected Time Frame Fiscal Year	Estimated Manhours**
Review legal approach regarding long-term institutional controls; including possible licensing scenarios.	Technical/ Legal discussions and guidance/ preparation of response letter	Technical/ Legal	2nd or 3rd quarter FY1997	TBD
Review proposed plan for integrating DOE/NYSERDA/NRC NEPA procedural requirements.	Discuss @ meeting; respond to letter.	Regulatory/ Legal	1st - 2nd quarter FY1997	TBD
Review preferred alternative selection methodology, including input to performance measures.	Review/ provide comments and guidance	Technical	1st - 2nd quarter FY1997	TBD
Support Citizen Task Force Efforts.	Technical/ Regulatory support	Legal/ Technical	FY1997	Est. 6 trips/meetings
Review components of performance assessment/scientific pathway (inc. 10 vs. 100 nCi/g definition for TRU); performance of IRTS cement drums against Part 61 criteria.	Technical discussions /meetings - provide comments	Technical/ Legal	3rd - 4th quarter FY1997/ FY1998	TBD
Support weekly conference calls and quarterly meetings.	Support discussions regarding above tasks.	Technical/ Legal	FY1997/FY1998	TBD
Review supplemental NEPA document; endorse D&D criteria.	Review/ comment/ provide guidance	Technical/ Legal	TBD	TBD
Review FEIS for approval/publish ROD for "D&D criteria."	Review/ Approve	Technical/ Legal	TBD	TBD
Review Characterization Plan/D&D Plan(s)	Review/ Endorse/ Approve	Technical	Post-ROD	TBD
D&D Safety Analysis Reports - Decommissioning SAR	Review HQ	Technical	Post-ROD	1000 (Based on EIS)



PROJECTED NRC INVOLVEMENT AT WVDP				
Task Description	NRC Action	Type of NRC* Support Required	Projected Time Frame Fiscal Year	Estimated Manhours**
Decommissioning plans - Preliminary - Proposed	Review Review HQ	Technical Technical	Post-ROD	1000 (Based on EIS) 1000 (Based on EIS)

\*NRC will determine whether they need contractor or consultant support.

\*\*Estimated manhours copied from 1995 table. Some of the activities will require updating once new direction is established (i.e., Supplemental Draft Environmental Impact Statement). Also, the estimated manhours may be a combination of federal NRC staff and technical contractor support.

NRC - HQ Support Bottom Line Estimate - FTEs*			
1997	1998	1999	2000
1.5	1.5	1.0	1.0

\* The FTE estimate is a rolup that may include coverage by an NRC point-of-contact as well as involvement by multiple personnel internal to the NRC for broad-scope reviews/decisions.

*based on 2000*