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FERNALD CLEANUP PROGRESS BRIEFING NOVEMBER 1999

6:30 p.m. Opening Remarks Gary Stegner

6:35 p.m. Project Updates

Waste Pits Remedial Action Project

John Hall

On-Site Disposal Facility Project

Jay Jalovec

Decontamination & Dismantlement

John Trygier

Silos Project

Dave Yockman

Aquifer Restoration/Wastewater Project

Dennis Carr

Soil Characterization & Excavation Project

Dennis Carr

Waste Management

John Sattler

Question and Answer Session

8:30 p.m. Adjourn

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PROJECT NEWS

WASTE PITS REMEDIAL ACTION PROJECT

FY1999 Accomplishments

- Initiated waste loading operations in February 1999
 - 71,066 tons loaded
- Transported first unit train to Envirocare in April 1999
 - 63,731 tons transported (12 trains, 620 railcars)
- Initiated waste pit excavation in September 1999
 - 31,000 tons excavated
- Completed Remedial Design/Remedial Action Package in August 1999
- Procured, modified, inspected and received 170 gondola railcars
- No lost time injuries

PROJECT NEWS

WASTE PITS REMEDIAL ACTION PROJECT

FY00 Challenges and Opportunities

- Initiate thermal drying operations, including water and off-gas treatment
- Achieve steady performance of entire waste processing operations (20 railcars loaded per week)
- Load 112,149 tons of waste pit material into railcars for shipment to Envirocare (approximately 20 trains)

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RAIL ROUTE TO ENVIROCARE

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PROJECT NEWS

ON-SITE DISPOSAL FACILITY

- Cells 1 & 2: Continued waste placement
- Cell 3: First waste placement achieved Oct. 26
- Cells 4, 5 & 6: Procurement plan development
- Permanent Leachate Transmission System Design
 - Phase I construction: 12/00
 - Phase II construction: 12/01

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ON-SITE DISPOSAL FACILITY

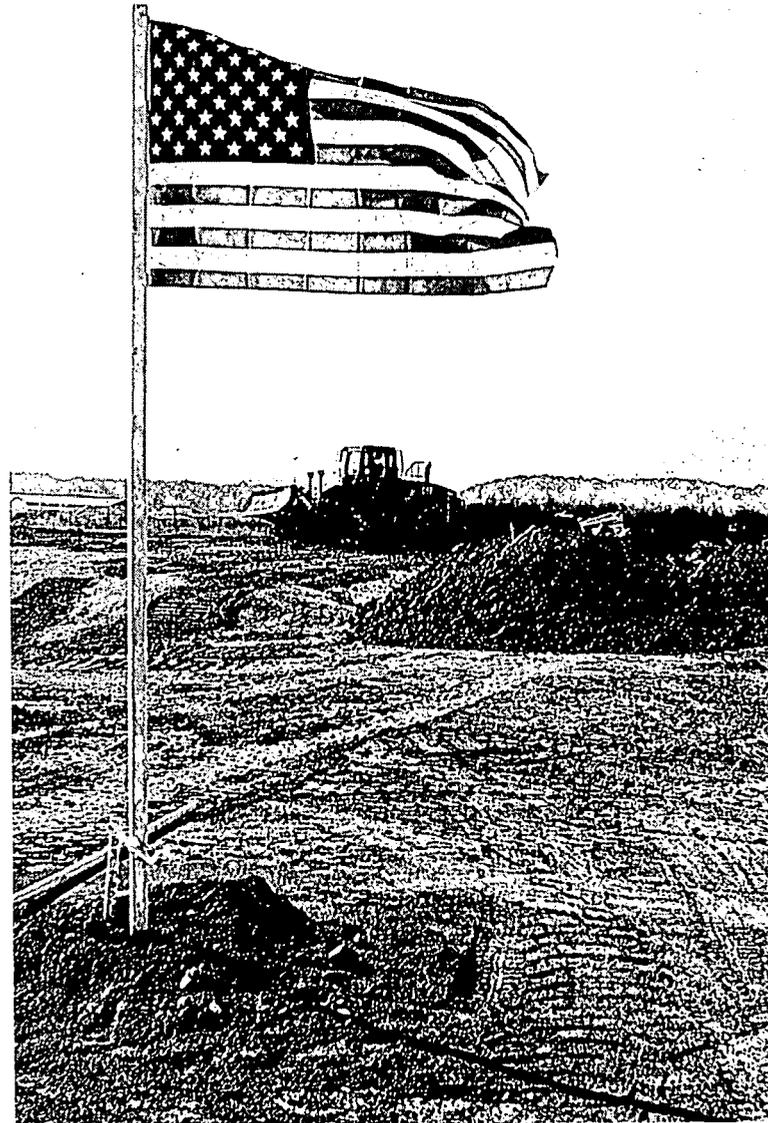


Photo taken October 1999

PROJECT NEWS DECONTAMINATION & DISMANTLEMENT

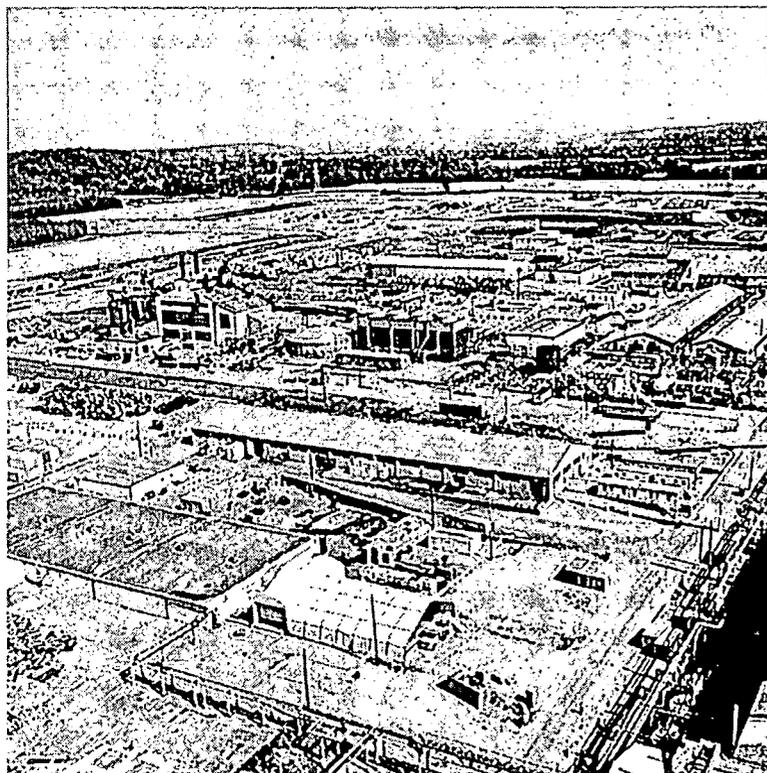
- Building 12
- New Water Tank
- Plant 5 contract

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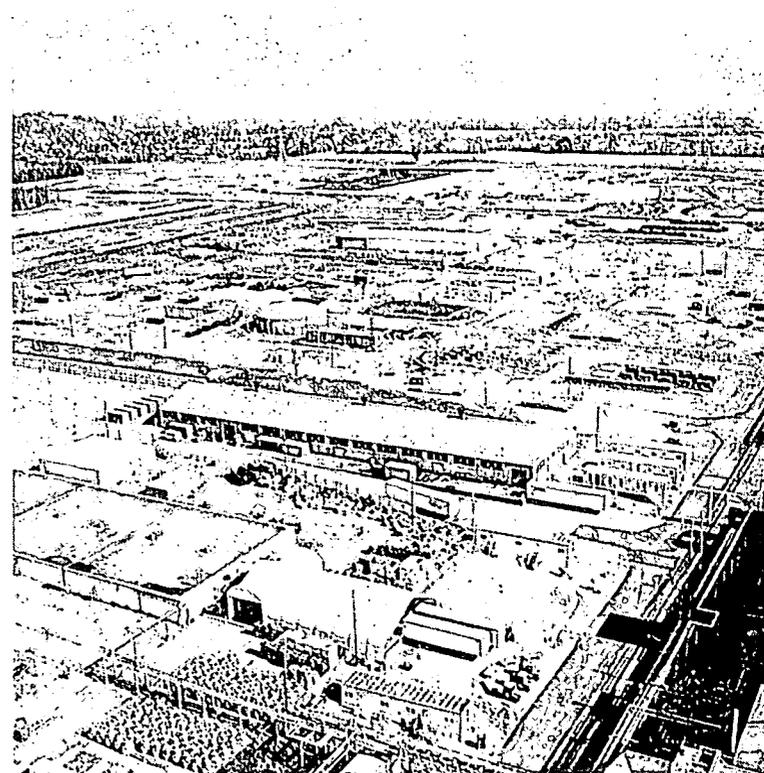
D&D PROGRESS

October 1997

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October 1999



PROJECT NEWS

SILOS PROJECT

Silos 1 & 2 Feasibility Study Project Status

- Held public meeting on detailed analysis of potential Feasibility Study technologies on Oct. 12
- Received comments on Draft Feasibility Study from:
 - Critical Analysis Team (CAT)
 - DOE Independent Review Team (DIRT)
 - U.S. EPA and Ohio EPA
- Held meetings with Fernald Citizens Advisory Board members to begin comparative analysis discussions
 - Nov. 4 – Remediation Committee meeting
 - Nov. 6 – Full Board meeting

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PROJECT NEWS

SILOS PROJECT

Silos 1 & 2 Feasibility Study Upcoming Activities

- Incorporate CAT, DIRT and regulator comments
- Conduct public roundtable for comparative analysis of four potential technologies on Nov. 17
- Receive and begin incorporating public input

PROJECT NEWS

SILOS PROJECT

Silos 1& 2 Accelerated Waste Retrieval Project Status/Upcoming Activities

- Reviewing preliminary facility design and safety documentation
- Preparing to initiate final design activities
- Authorization to mobilize still on target for spring, FY 2000

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PROJECT NEWS

SILOS PROJECT

Silo 3

Project Status/Upcoming Activities

- Continuing facility design and safety documentation development
- Rocky Mountain Remediation Services currently preparing Site Preparation Package and Sampling and Analysis Plan
- Authorization to mobilize still on target for fall, FY 2000

SILOS PROJECT



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Graphics # 6055.4E 11/99

Photo #7213-144

Photo taken August 1999

PROJECT NEWS

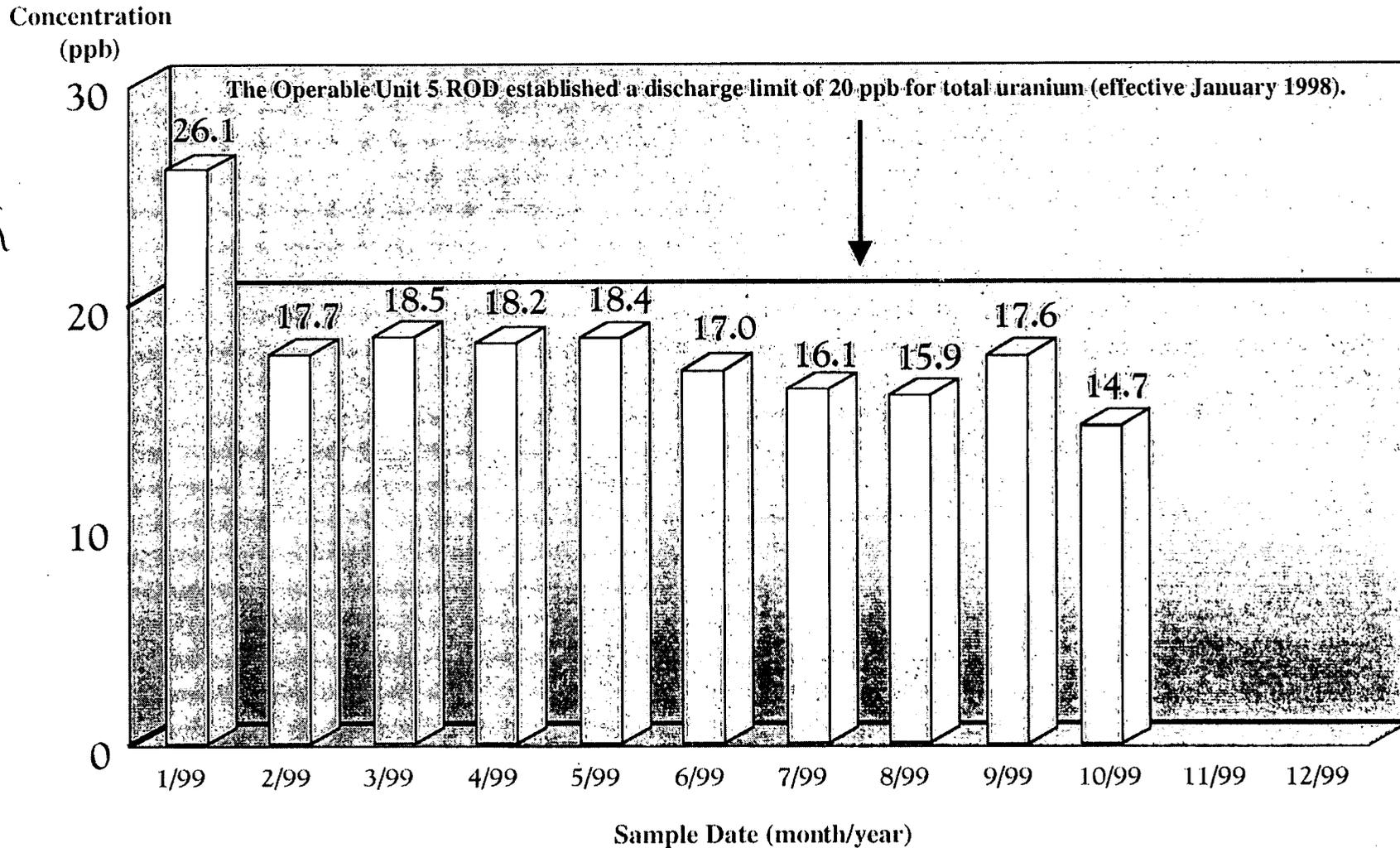
AQUIFER RESTORATION/ WASTEWATER PROJECT

- Drilled and developed two new extraction wells in South Field
 - Piping and electrical instrumentation being installed
- Completed re-injection well demonstration in September;
final report being prepared
- Installed four new monitoring wells
 - Two in South Field
 - Two in South Plume area

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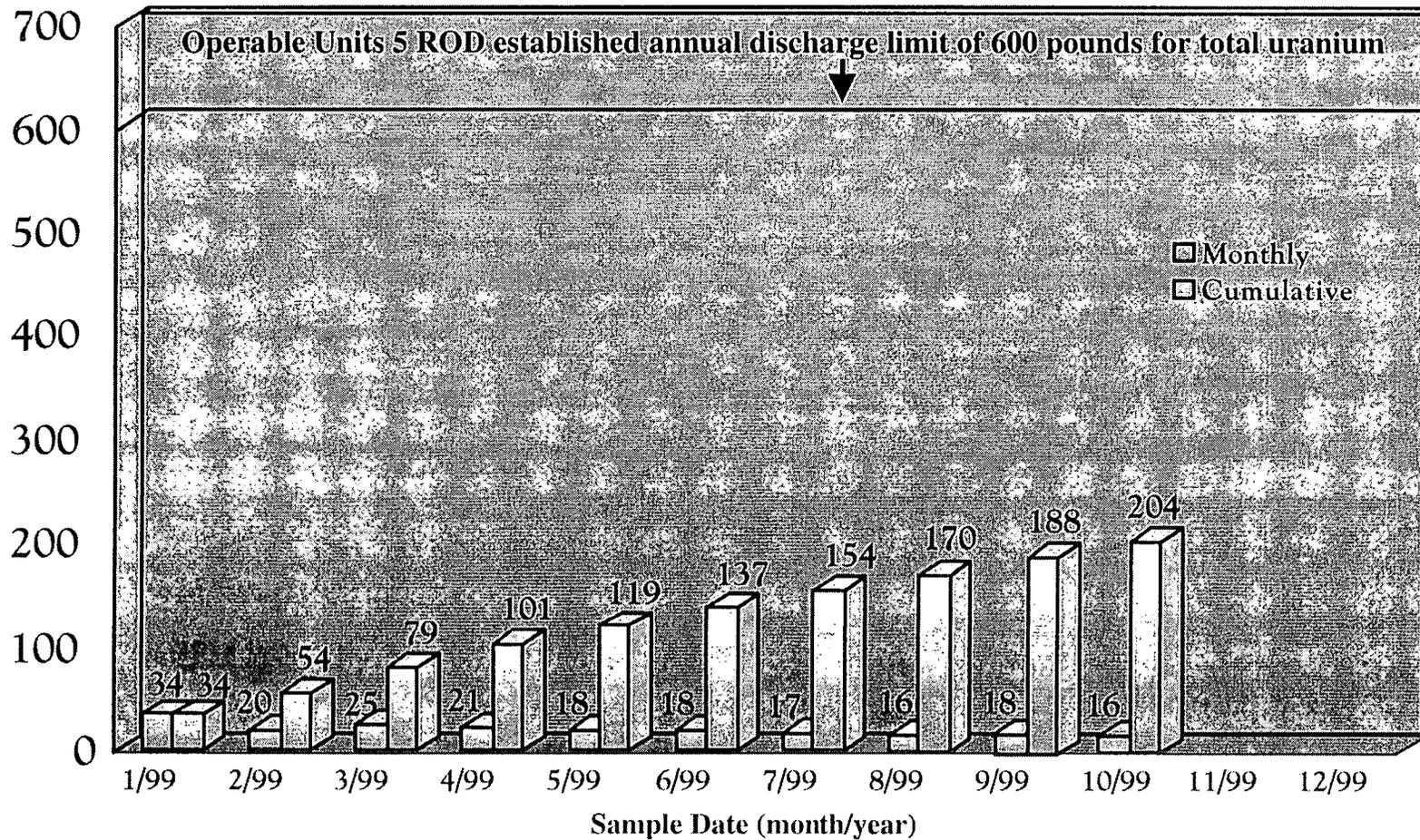
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AVERAGE MONTHLY TOTAL URANIUM CONCENTRATION DISCHARGED TO THE GREAT MIAMI RIVER IN 1999



POUNDS OF URANIUM DISCHARGED TO THE GREAT MIAMI RIVER IN 1999

Weight (pounds)



Note: Sum of monthly discharges may not always agree with cumulative total because of rounding differences.

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PROJECT NEWS

SOIL CHARACTERIZATION & EXCAVATION PROJECT

- Completed excavation at old Sewage Treatment Plant and trap range
- Since July, excavated over 110,000 cubic yards from Southern Waste Units
- Certification of soils:
 - Completed in Area 2 Phase III
 - Ongoing in Area 1 Phase III and Area 8 Phase III southern portion
 - Scheduled to start in Area 1 Phase II in December
- Wetland Mitigation Project will be completed this fall

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PROJECT NEWS

WASTE MANAGEMENT

- Shipment status
- T-Hoppers
- Waste storage containers

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FERNALD SHIPMENTS FY1999

	Shipment Mode	No. of Shipments	FY99 Total
Low-Level Waste (Nevada Test Site)		51	~ 110,000 cubic feet
Liquid Mixed Waste (TSCA Incinerator at Oak Ridge, TN)		10	~ 35,000 gallons
19 Nuclear Product/Material (Portsmouth)		129	~ 3.6 million net pounds 1243 metric tons uranium
Nuclear Product/Material (Private Sector Sources)		102	~ 2.6 million net pounds 979 metric tons uranium
Solid Mixed Waste (Envirocare of Utah, Inc.)	 	10 trucks (2 railcars)	3,500 cubic feet
Waste Pits Project (Envirocare of Utah, Inc.)		9 unit trains (~ 50 railcars/trains)	~ 50,000 tons (457 railcars)
Copper Recycle (Alaron and Oak Ridge)		107	1,435 tons
Steel Recycle (Alaron)		27	225 tons

FERNALD SHIPMENTS FY2000

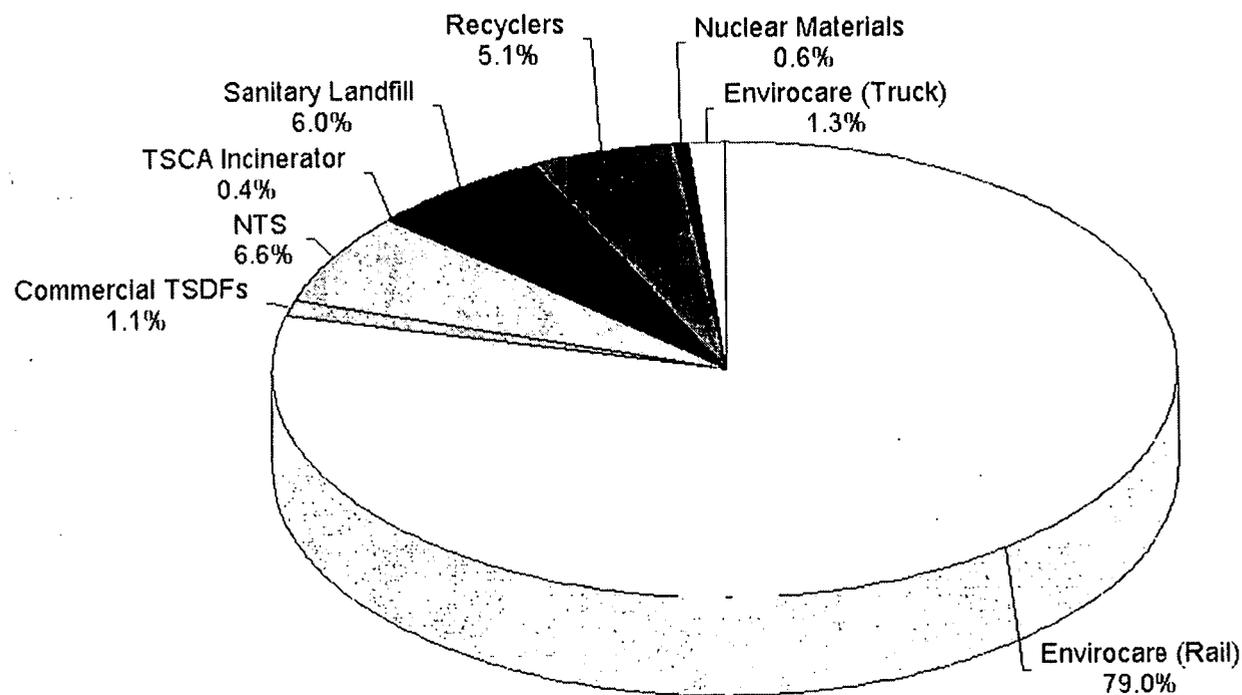
	Shipment Mode	No. of Shipments	FY00 Total
Low-Level Waste (Nevada Test Site)		67	~ 70,000 cubic feet
Liquid Mixed Waste (TSCA Incinerator at Oak Ridge, TN)		15	60,000 gallon
Nuclear Product/Material (Portsmouth)		206	~ 2.9 million net pounds 1,303 metric tons uranium
Waste Pits Project (Envirocare of Utah, Inc.)		21 (60 railcar/train)	135,000 tons * (1,348 railcars)

* Includes 112,000 tons of waste pit residues and 23,000 tons of other low-level residues/soils

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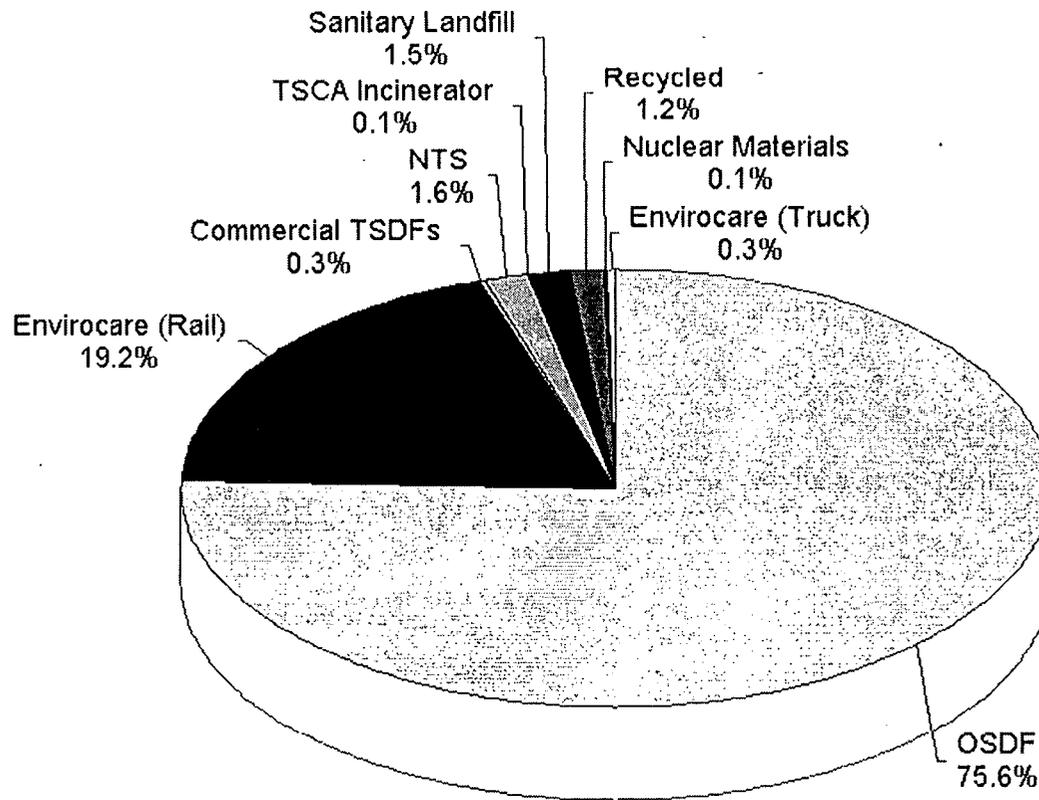
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PLANNED WASTE/MATERIAL DISPOSITION PATHWAYS (FY2000 - FY2008)



Total: 18,468,617 Cubic Feet

PLANNED OFF-SITE WASTE/MATERIAL DISPOSITION (FY2000 - FY2008)

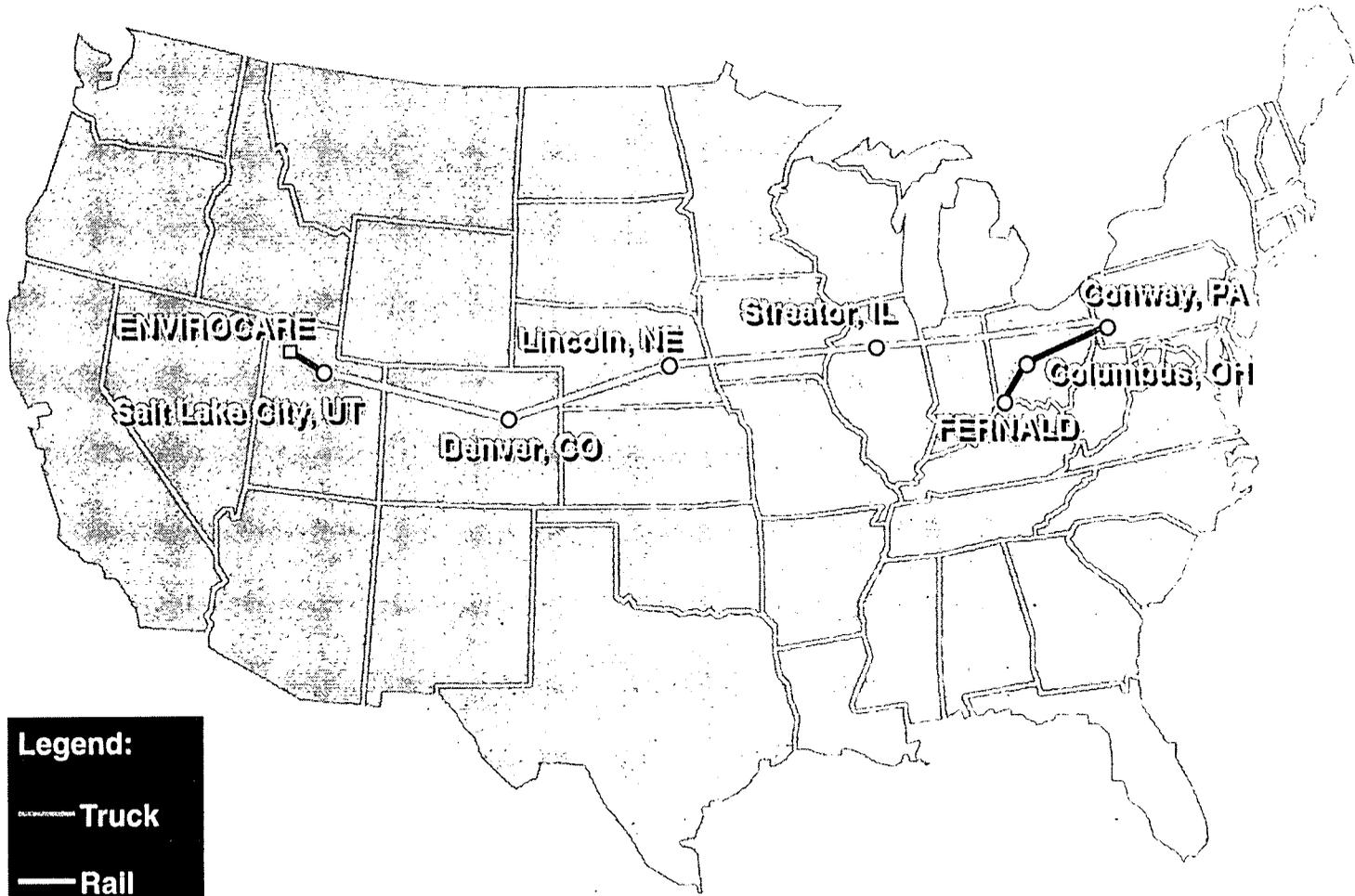


Total: 75,839,684 Cubic Feet

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INTERMODAL MIXED WASTE SHIPMENT ROUTE



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Legend:

 Truck

 Rail

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