

TRANSPORTATION WORKING GROUP MEETING MINUTES

Thursday, April 1, 2004 – 1:30 – 4:00 p.m.
North Las Vegas Airport
2730 Airport Drive
North Las Vegas, NV
Grand Canyon Room

WELCOME & INTRODUCTIONS – Frank Dianza

Mr. Frank Dianza of NNSA Nevada Site Office welcomed all attendees to the Nevada Test Site Transportation Working Group (TWG) meeting. Frank announced that the Chairman, Rex Massey, was unable to attend due to illness. Attendees then introduced themselves and provided their affiliation. (See enclosure 1)

Additional enclosures are listed for your convenience.

Enclosure 1	Attendance List
Enclosure 2	Final Agenda
Enclosure 3	Opening Remarks/Discussion
Enclosure 4	Low Level Waste Grant Program Update
Enclosure 5	Fernald Silos Waste Campaign

An agenda was provided to the attendees (See enclosure 2), no changes were made, other than Mr. Massey not being in attendance.

During his opening remarks Mr. Dianza discussed the following topics:

- FY2004 allocations, impacts, and funding distribution to NNSA Nevada Site Office programs
- FY2004 LLW shipments and routes used to the Nevada Test Site
- FY2004 Cumulative Forecast and Cumulative Accuracy vs. Cumulative Actuals
- Overview and pictures of the Portsmouth Shipment Event that occurred October 16, 2003 near Beatty, NV
- Transuranic Waste Project Update

(See enclosure 3)

LOW LEVEL WASTE GRANT PROGRAM UPDATE– Milton Chilton and Kenneth Small - NNSA Nevada Site Office

Milton Chilton and Kenneth Small made a joint presentation on the status of the Grant Program. Milton will be moving to Albuquerque as part the Service Center reorganization and Ken Small will be assuming his responsibilities for the Program.

(See enclosure 4)

FERNALD SILOS– Scott Edwards – Fluor Fernald

Mr. Edwards presented the group with a briefing on the proposed silo shipments from the Fernald Closure Project located near Hamilton, Ohio. Several group members had questions which will be answered directly by Fernald personnel.

(See enclosure 5)

NEW BUSINESS

A discussion took place regarding the usefulness of these meetings. It was agreed that the Transportation Working Group meetings did add value, and should continue.

ADMINISTRATION AND NEXT MEETING

No definite time was set for the next meeting. A new meeting location will be explored as this venue may not be available for use in the future.

The meeting was adjourned at approximately 3:30 p.m.

SUMMARY OF ACTION ITEMS

Mr. Scott Edwards will provide various group members with answers to their questions regarding the Fernald Silo waste campaign. (Completed)

NTS Transportation Working Group Meeting
April 1, 2004
List of Attendees

Chris Binzer Robison/Siedler	Milton Chilton NNSA Nevada Site Office
Don Elle Nevada Division of Environmental Protection	E. Frank Di Sanza NNSA Nevada Site Office
Bryan Elkins, Director Community Development, Caliente	W. Scott Edwards Flour Fernald
John Hauser Tri-State Motor Transit Co.	Marian Lawrence NTS Citizens Advisory Board Member
William Hall Nye County Emergency Services	Kelly Kozeliski NNSA Nevada Site Office
Laurel Marshall Eureka County	Dona Merritt Stoller-Navarro
Richard Nocilla NTS Citizens Advisory Board Member	Kenneth Reim Stakeholder
John Sattler DOE Fernald Area Office	Dale Schutte Pahrump Nuclear Waste Advisory Board
Courtney Smith Inyo County	Joe Strolin Nevada Agency for Nuclear Projects
Lee J. Stevens Navarro Research & Engineering	Rick Zink MHF Logistics

Transportation Working Group Meeting

North Las Vegas Airport
2730 Airport Drive
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Grand Canyon Room
Thursday April 1, 2004
1:30- 4:00 PM

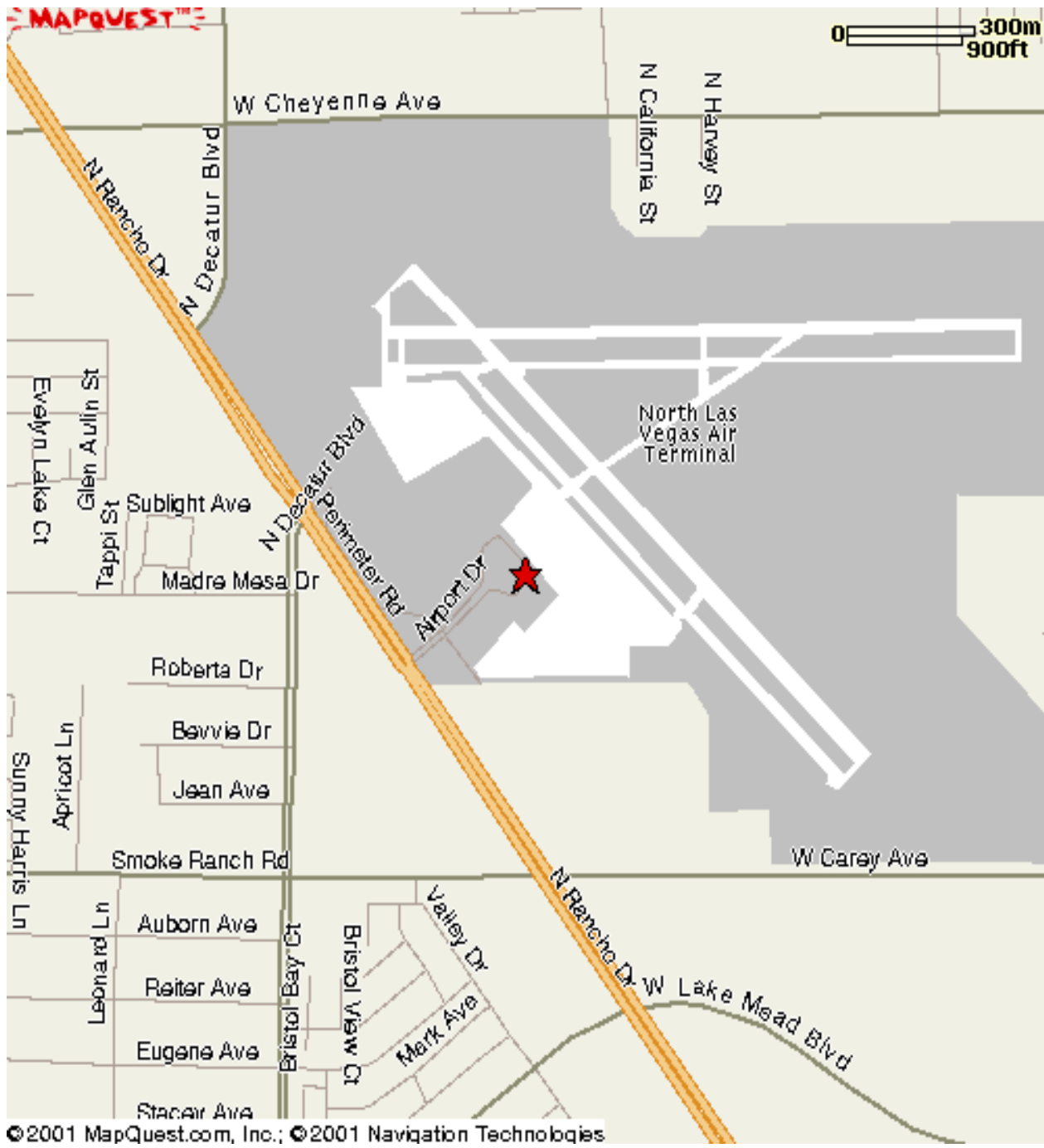
FINAL AGENDA

1:30	Introductions and Remarks	Rex Massey/Frank DiSanza
2:00	LLW Grant Program Update	Milton Chilton/Ken Small
2:30	Fernald Silo Shipping Campaign	John Sattler/Scott Edwards
3:15	Break	
3:30	New Business and Next Meeting	Rex Massey/Frank DiSanza
4:00	Adjourn Meeting	Rex Massey

To submit agenda items, contact the Transportation Working Group Chairman, Rex Massey at (775) 849-9701 or via e-mail at rexbmassey@aol.com

NOTE: There is NO DOE badge required for this meeting room.

REVISED 3/22/2004



Waste Management Shipment Activities



E. Frank Di Sanza, Director

Waste Management Division

April 1, 2004

Transportation Working Group Meeting

North Las Vegas Airport

**U.S. Department of Energy Nevada Site Office
Environmental Management**

FY 2004 Allocations/Impacts

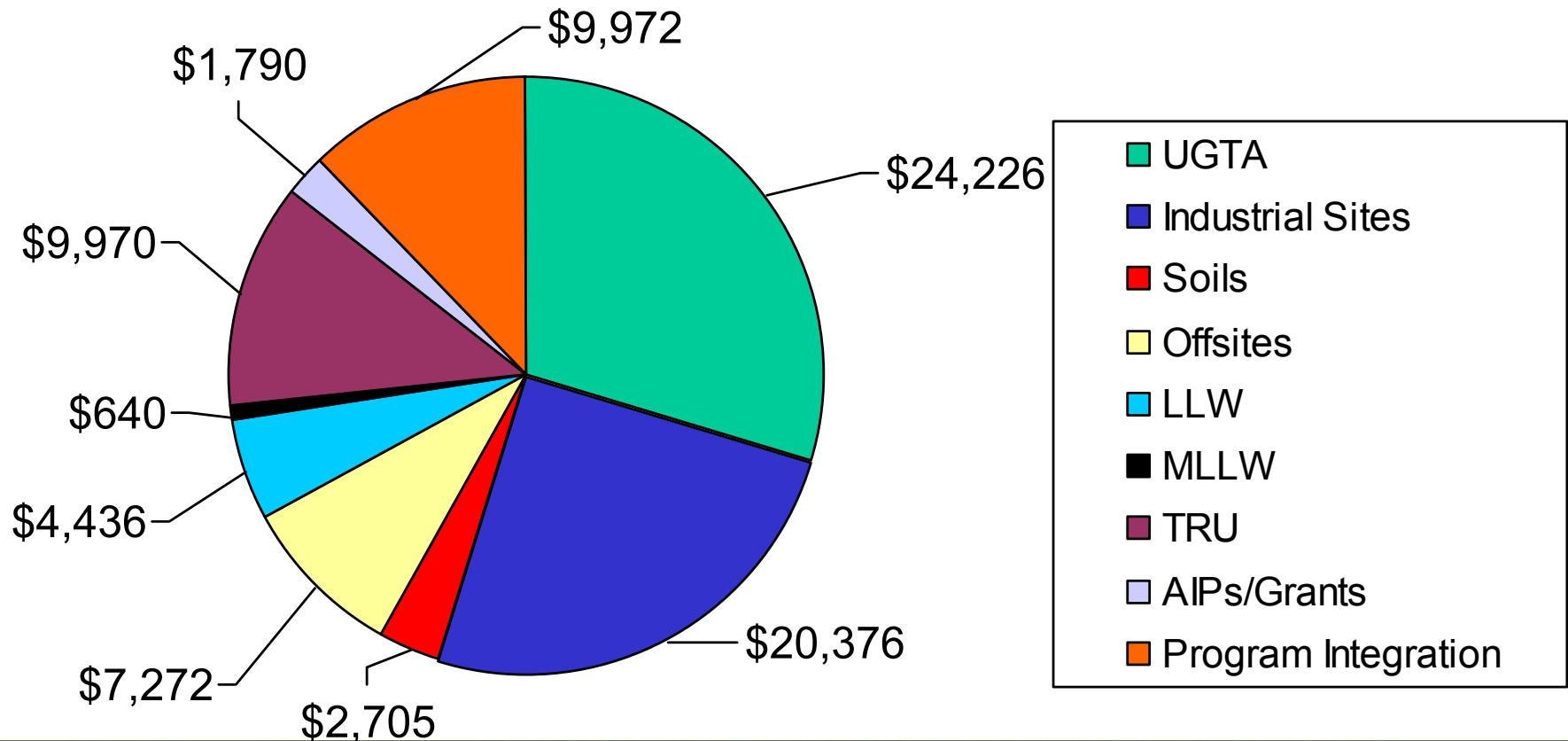
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PBS	Title	Project	FY 2004 Request	Total Adjusts *	Revised FY 2004 FUNDING	FY 2004 Task Plans (a/o Dec 03)	Congressional Earmarks
VL-NV-0013	Solid Waste Stabilization and Disposition-Nevada Test Site	TRU/MTRU	10,363	(393)	9,970	10,392	0
VL-NV-0030	Soil and Water Remediation-Nevada Test Site and Offsites	Soils	2,786	(81)	2,705	1,691	0
		UGTA	26,139	(1,913)	24,226	26,969	0
		Industrial Sites	23,379	(3,003)	20,376	23,310	0
		Offsites	7,961	(689)	7,272	6,930	1,336
		Program Integration	10,742	(770)	9,972	12,277	0
		Total	71,007	(6,456)	64,551	71,177	1,336
VL-NV-0080	Operate Waste Disposal Facility-Nevada	MLLW	640	0	640	1,038	0
		LLW	4,798	(362)	4,436	4,629	0
		Total	5,438	(362)	5,076	5,667	0
VL-NV-0100	Nevada Community and Regulatory Support	AIPs/Grants	3,528	(1,738)	1,790	2,244	4,970
Total Nevada Site Office			90,336	(8,949)	81,387	89,480	6,306

* TOTAL ADJUSTMENTS include: reductions as a result of prior year balances, other Congressional adjustments, 0.059% rescission, South Valley reductions, the recent HQ commitment to add \$538K to Nevada Community and Regulatory Support, reprogramming of \$1.3M from PBS VL-NV-0030 into VL-NV-0100, and \$4.970M reduction for Yucca Mountain Earmark.

FY 2004 Funding Distribution

\$81,387 (K)



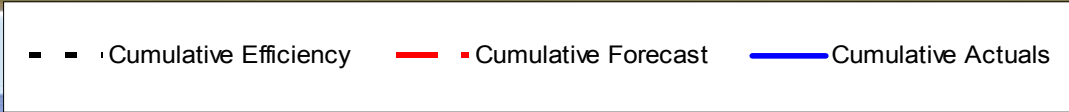
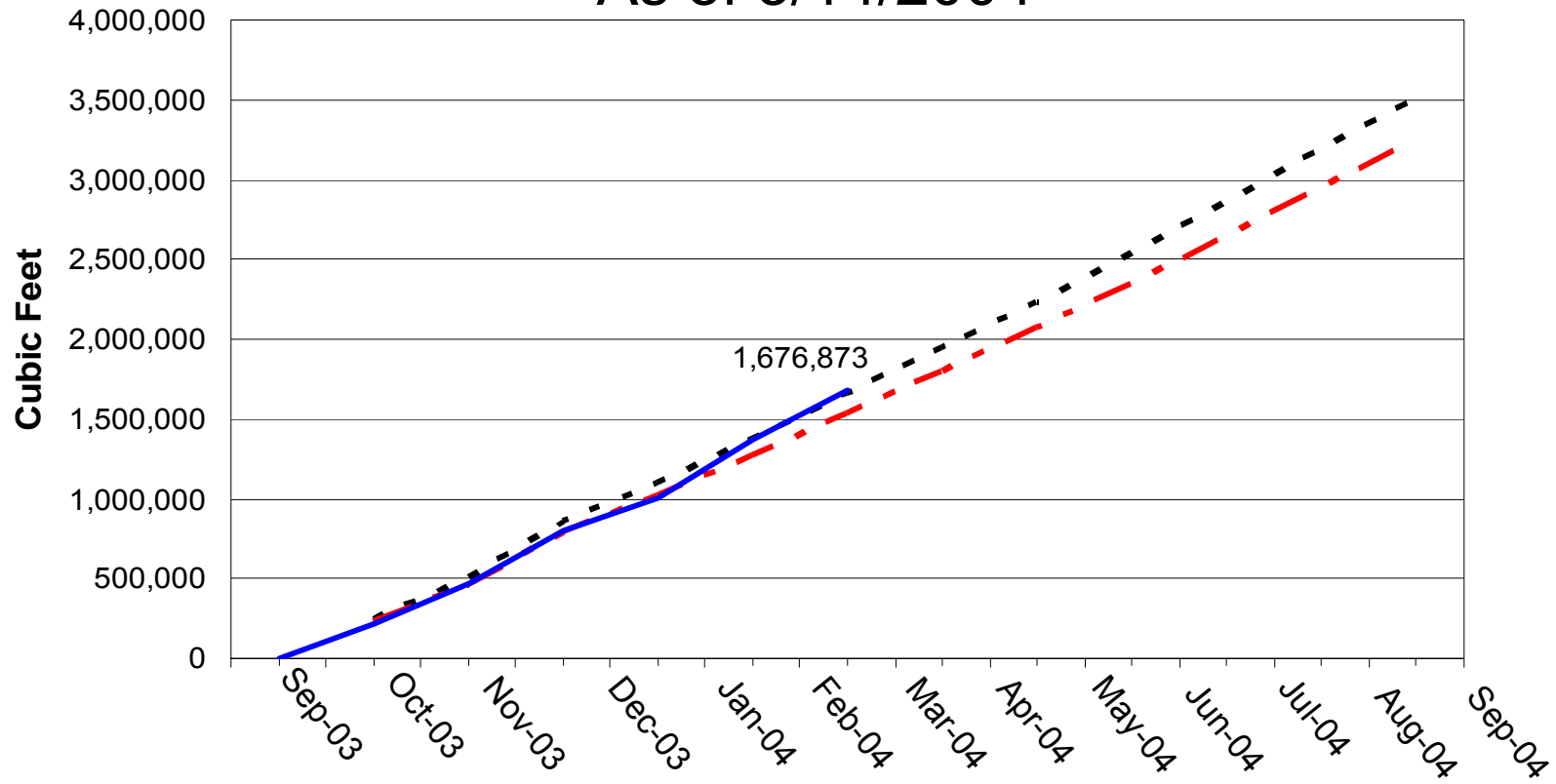
FY 2004 LLW Shipments to the NTS

As of 02/29/2004

FIELD OFFICE (GENERATOR)	OFFSITE SHIPMENTS	ACTUAL VOLUME (FT ³)	FORECASTED VOLUME (FT ³)
ABERDEEN	0	0	20,031
ALBUQUERQUE (Sandia CA/NM, Honeywell, Lovelace Pantex)	3	4,102	19,776
CHICAGO (Argonne, Princeton Plasma Physics, Berkeley)	1	612	14,530
DEFENSE LOGISTICS AGENCY	0	0	40,800
IDAHO	1	672	22,881
NEVADA (Bechtel Nevada, IT Las Vegas)	0	2,581	12,383
NUCLEAR FUEL SERVICES CORPORATION	0	0	11,810
OAKLAND (Boeing Rocketdyne, LLNL/CA)	53	27,142	53,303
GA CORPORATION	10	11,289	48,000
LEXINGTON (Paducah, Portsmouth)	82	61,558	274,234
OAK RIDGE (Oak Ridge National Lab, ORNL-Y12, DOE-OR, British Nuclear Fuels, Foster Wheeler)	190	288,334	553,880
OHIO (Fernald, Mound, West Valley)	158	83,111	360,368
QUEHANNA (Sciencetech)	0	0	12,000
ROCKY FLATS	438	991,431	1,730,552
SAVANNAH RIVER (Savannah River Site)	8	7,880	74,854
TOTALS	944	1,478,712	3,249,402

FY 2004 Cumulative Forecast and Efficiency vs. Cumulative Actuals

As of 3/14/2004



FY 2004 LLW Shipment Routing

(through February 2004)

DESCRIPTION	TOTAL
I-15 (MESQUITE), I-215, US-95 (NORTH BELTWAY)	1
I-15, CA-127, CA-178, NV-372, NV-160, US-95	49
I-15, CA-127, NV-373, US-95	14
I-40, I-15, NV-160, US-95	1
I-40, US-95, NV-164, I-15, CA-127, NV-373, US-95	41
I-40, US-95, NV-164, I-15, NV-160, US-95	150
I-80, US-93-ALT, US-6, US-95	87
US-50, US-6/50, US-6, US-95	506
US-93, AZ-68, NV-163, US-95, NV-164, I-15, NV-160, US-95	93
US-93, US-6, US-95	1
UT-56, NV-319, US-93, NV-375, US-6, US-95	1
	944

Portsmouth Shipment Event

- October 16, 2003
- Approximately 6:15 am PTZ
- Nevada Site Office notified 11:35 am PTZ
- Portsmouth shipping package was intermodal container
- Shipped via rail to Cisco, UT
- Transferred to Landstar Ranger truck for remainder of route
- Driver transported and released
- Off-loaded at NTS at 9:30 pm PTZ October 16, 2003
- Driver of other vehicle received numerous citations



Portsmouth Event Location



Landstar Ranger Truck Damage



Landstar Ranger Truck Removal



Landstar Ranger Trailer and Intermodal Container Damage



Intermodal Container Radiation Survey Swipe



Intermodal Container Radiation Survey



Intermodal Container Removal



Arrival of Damaged Portsmouth Shipment at NTS



Transuranic (TRU) Waste Project Background

- Approximately 1,800 drums in storage at the Area 5 Radioactive Waste Management Complex
- Approximately 60 shipments destined for the Waste Isolation Pilot Plant (WIPP)
- Seven shipments made in January 2004
- Remaining shipments scheduled to resume August 2004 and be completed in December 2004
- Other wastes to be shipped at a later time after treatment



WIPP Shipments

- TRUPACT-II containers licensed by the Nuclear Regulatory Commission (3 containers per shipment)
- TRUPACT-II's designed to hold 14 drums (maximum 42 drums per shipment)
- Shipping route negotiated between all affected states in conjunction with the Western Governor's Association



WIPP Shipments (continued)

- States of Nevada and California perform inspections and escorting duties to the state line
- Shipping schedule maintained by WIPP on an 8-week rolling schedule
- Local government entities trained by WIPP for emergency response along the route



NTS TRU Shipment to WIPP



TRU Shipment Summary

- First seven shipments were successful
- Good interaction between involved parties
- Characterization activities continue at the NTS to prepare more drums for shipment to WIPP



Low-Level Waste Grant Assistance



**Milton Chilton CHP, NNSA/SC and
Ken Small, NSO Waste Management Division**

April 1, 2004

Transportation Working Group Meeting
North Las Vegas Airport

**U.S. Department of Energy Nevada Site Office
Environmental Management**

Briefing Overview

- Grant Background
- Grant Distribution to Date
- Examples Accomplishments
- FY 2005 Grant Status
- Funding Projections

Grant Background

- Initiated in 2000 to assist counties impacted by rerouting of low-level waste out of the Las Vegas Valley
- Funding based on waste generator fee of \$0.50 per cubic foot of waste disposed of at the Nevada Test Site
- Funding provided to six (6) Nevada counties including Clark, Elko, Esmeralda, Lincoln, Nye, and White Pine
- Instituted under the DOE/Nevada Agreement in Principle
- Funding administered by the Nevada Division of Emergency Management
- Grant is based on all hazards approach

Grant Background (continued)

- Approved scope includes emergency related expenditures such as
 - Salaries
 - Travel
 - Training
 - Equipment
 - Supplies/operating expenses
 - Construction that supports DOE low-level waste

Low-Level Waste Grant Assistance

Fiscal Year	Clark	Elko	Esmeralda	Lincoln	Nye	White Pine	Total
2000	\$50,500	\$50,500.00	\$50,500	\$50,500	\$50,500	\$50,500.00	\$303,000.00
2001	\$10,000*	\$37,305.00	\$66,600	\$52,014	\$92,595	\$81,486.00	\$340,000.00
2002**	\$25,000	\$199,866.40	\$202,480	\$214,101	\$203,785	\$200,043.40	\$1,045,275.80
2003	\$100,000	\$178,061.00	\$190,095	\$178,036	\$175,906	\$177,902.00	\$1,000,000.00
2004	\$100,000	\$367,800.00	\$393,754	\$389,700	\$375,631	\$373,115.00	\$2,000,000.00
Total to Date	\$285,500	\$833,532.40	\$903,429	\$884,351	\$898,417	\$883,046.40	\$4,688,275.80

* In 2001 Clark County transferred \$15,000 to Lincoln County for an emergency generator for the hospital in Caliente

** This table does not include the \$50,000 provided to Inyo County, California in FY 2002 and \$51,054 in FY 2003

Example Accomplishments

- Salaries help support emergency managers/ training officers in five (5) counties
- Most responders in six (6) counties trained to Operations Level
- Enhanced communications including communications studies, new repeater equipment, radios, pagers, and satellite phones

Example Accomplishments (continued)

- New personal protective equipment such as turnouts and self-contained breathing apparatus
- New response equipment such as ambulances, squad cars, fire trucks, rescue equipment, and detectors
- Construction of facilities such as the Emergency Operations Center in Goldfield and the new Ely fire station (partially funded)



FY 2005 Grant Status

- Grant Review Committee visited counties to discuss applications March 23 and 24
- County applications due today, April 1, 2004
- Review Committee meets April 6 to develop proposed distribution for FY 2005 funding
- Total funding available this application is \$2,300,000

FY 2005 Grant Status (continued)

- Emergency Preparedness Working Group meets April 8 to review the Nevada Site Office proposed distribution
- Final scope transmitted April 9 to Nevada Division of Emergency Management for consolidation into single application
- Final approved applications due from counties April 15

FY 2005 Grant Status (continued)

- Consolidated grant due April 21 to the Nevada Site Office from the State
- Final approval of the grant, and the date funding is made available to the counties, is then dependent on development of a new Agreement In Principle between the State and the Nevada Site Office

Funding Projections

Fiscal Year	Forecasted Volume	Projected County Grant Funding
2004	3,249,402 ft ³	\$1,624,701.00
2005	3,517,491 ft ³	\$1,758,745.50
2006	1,003,453 ft ³	\$501,726.50
2007	603,869 ft ³	\$301,934.50

Conclusion

- Local Responders are better trained and equipped
- Responder safety is enhanced
- Public Safety is enhanced
- Improvements support day-to-day public safety requirements

Fernald Silos Waste

John Sattler, DOE-Fernald

Scott Edwards, Fluor Fernald

April 1, 2004

NTS LLW TWG

Background

- Fernald is located 18 miles northwest of downtown Cincinnati, Ohio
- Fernald operated as a Uranium Processing Facility from 1952-89
- Materials in Silos are by-product residues from extraction of uranium from ores

Regulatory Background

- CERCLA Records of Decision (RODs) for all Silos material allow disposal at NTS or appropriately permitted commercial facility
- Silos waste classified as 11e.(2) byproduct material, statutorily exempt from RCRA
- No permitted commercial facility is available
- Silos waste will be disposed at NTS

Fernald Silos Project

1993
February



5636-57

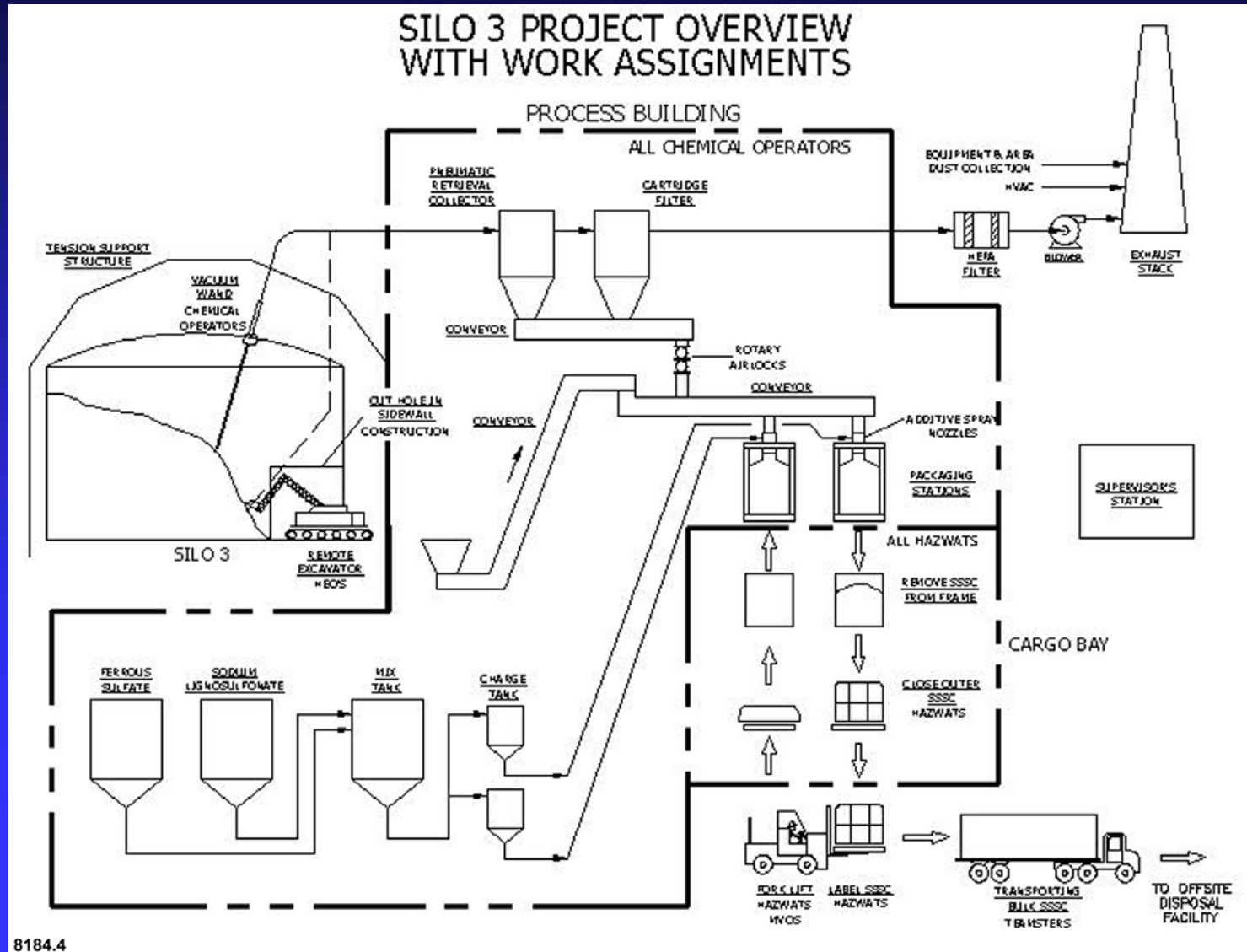
Fernald Silos Project - 2003



Silo 3 Waste

- Waste form is dry powder
- Waste will be “conditioned” to reduce its dispersability prior to packaging
- About 1910 IP-2 Packages will be three-layered, 96 cu.ft. soft-sided “Supersacks”
- Expected package weight is 4600 lbs.

Silo 3 Process



Silo 3 Loading Facility



7325D-1367

Silo 3 Supersack



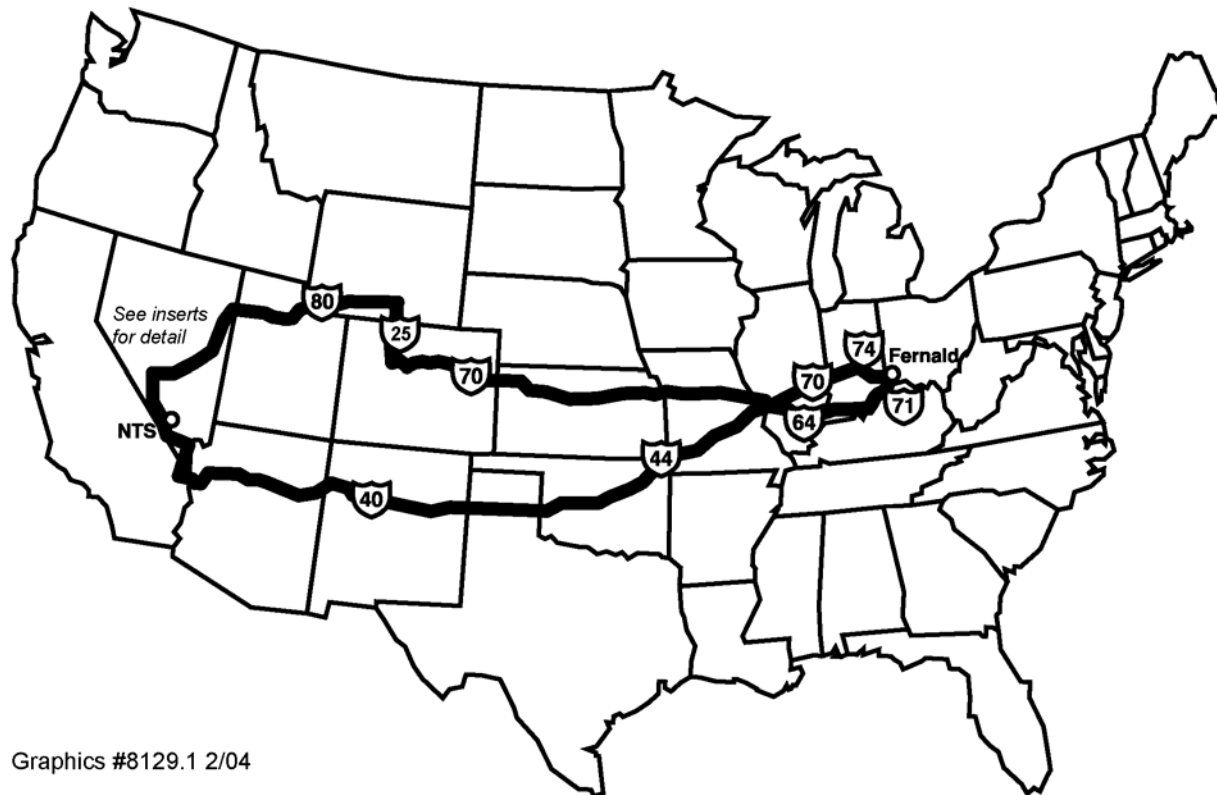
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Silo 3 Shipping Campaign

- 7-8 Supersacks will be loaded into either a freight container or van-type trailer
- 240-275 shipments expected from May – October 2004
- Most shipments will utilize Northern route

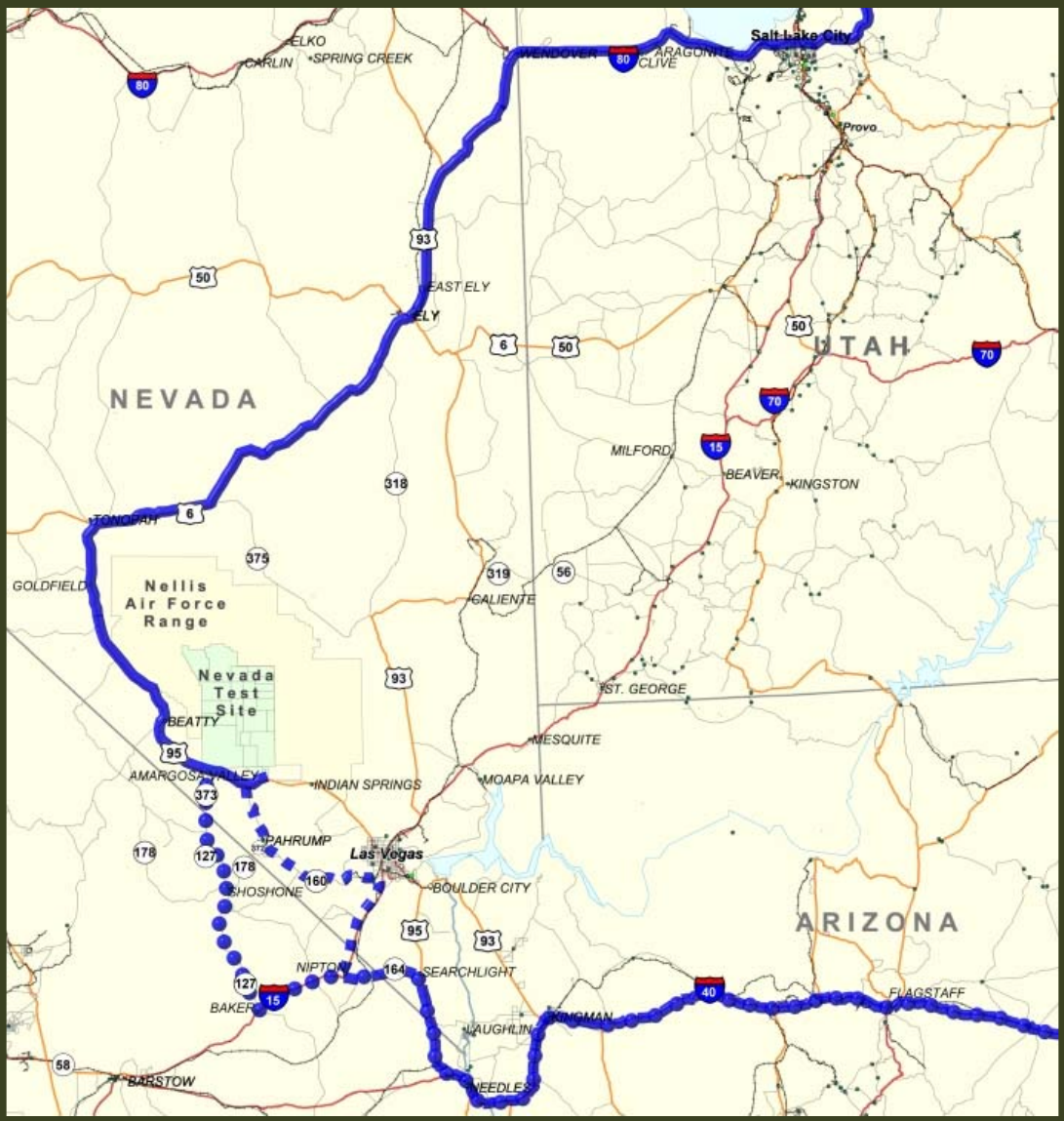
Fernald Routes

MAP OF ALTERNATIVE ROUTES BETWEEN FERNALD AND NTS



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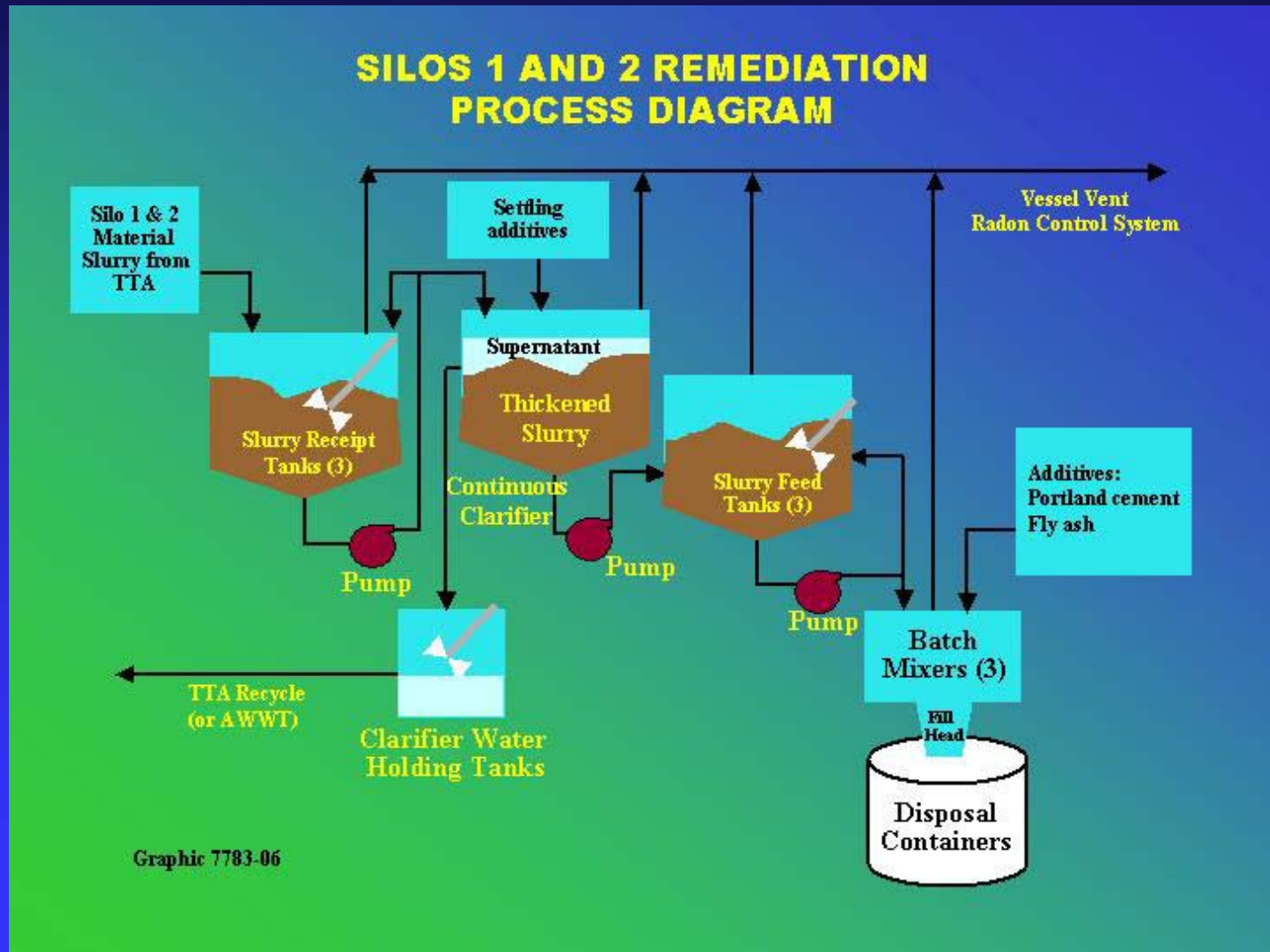
Route Detail



Silos 1 & 2 Waste

- Waste in Silos is moist soil-like material
- Waste will be stabilized with cement and flyash at 15-25% waste loading
- Stabilized waste will be placed into about 7000 IP-2 196 cu.ft. cylindrical steel containers (6' diameter, 6.5' tall)
- Maximum container weight is 21,500 lbs.

Silos 1 & 2 Process



Silos 1 & 2 Transport System



7385D-3592

Silos 1 & 2 Shipping Campaign

- 2 containers will ship on a flatbed trailer
- About 3500 shipments expected from October 2004 – November 2005
- Approximately 105 shipments per week
- One route expected to be used for all shipments