



Implementation of the NMED Order in Fiscal Years 2005 and 2006

Briefing to NNM CAB

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TOPICS



FY 2005 and FY 2006:

- Regulatory milestones under the Order
- Other major scheduled work
- Budgets to implement the Order
- Public involvement under the Order
- Documents and specific activities that provide public involvement opportunities

Regulatory Milestones FY 2005



- **7 Work Plans**
- **6 Investigation Reports**
- **2 CMI Plans**
- **7 Deliverables from the General Requirements, Table XII-4 of Order**
- **15 of above deliverables subject to stipulated penalties**



Regulatory Milestones FY 2006

- **3 Work Plans**
- **7 Reports**
- **1 CME Work Plan**
- **1 Remedy Completion Report**
- **TBD number of deliverables from the General Requirements, Table XII-4 of Order**
- **NMED has final decision on which deliverables (up to 15) are subject to stipulated penalties**

FY 2005 Order Deliverables



SITE	DELIVERABLE DOCUMENT	DUE DATE*
SWMUs 21-017(a-c), 21-022(f) (MDA U)	Investigation Work Plan	11/30/04
MDA A	Investigation Work Plan	1/31/05
MDA L	Investigation Report	9/13/05 (new)
MDA C	Investigation Report	3/31/05
SWMU 16-008(a)	Investigation Work Plan	3/31/05
Pueblo Canyon Aggregate Area	Investigation Work Plan	5/31/05
MDA G	Investigation Report	5/31/05 +105d
SWMU 3-010(a)	Investigation Report	6/30/05
MDA H	CMI Plan	6/30/05
Bayo Canyon Aggregate Area	Investigation Work Plan	6/30/05
Guaje/Barrancas/ Rendija Canyons Aggregate Area	Investigation Work Plan	7/31/05
Middle Mortandad/Ten Site Canyon Aggregate Area	Investigation Report	9/30/05
MDA T	Investigation Report	9/30/05
SWMUs 16-021(c), 16-003(k)	CMI Plan for Surface / Alluvial Groundwater	9/30/05
Middle Los Alamos Canyon Aggregate Area	Investigation Work Plan	12/31/05

Deliverables with stipulated penalties

*Due dates will slip because of delays in approvals

FY 2005 Order Deliverables

(Continued)



Deliverable/Activity	Due Date
General Facility Information	30 days after the effective of Consent Order. Annually thereafter on March 31.
Interim Facility-wide Groundwater Monitoring Plan	Within 90 days after effective date of the Order. Updated annually (90 days after each anniversary of the effective date of the Order)
Groundwater Background Investigation Report	Within 180 days after the effective date of the Consent Order
Well Completion Summary Fact Sheet (Regional Wells)	Within 30 days after completion of each regional aquifer well.
Well Completion Report (Regional Wells)	150 days after well installation is complete.
Plan to demonstrate validity of R-25 data	Within 90 days after effective date of the Consent Order
Aggregate Areas List; Maps of TAs, SWMUs, and AOCs	Within 180 days of effective date of the Order, updated as needed.

Deliverables with stipulated penalties



FY 2006 Order Deliverables*

SITE	DELIVERABLE DOCUMENT	DUE DATE**
Middle Los Alamos Aggregate Area ³	Investigation Work Plan	12/31/05
MDA U	Investigation Report	1/31/06
SWMU 16-003(o)	Investigation Report	1/31/06
MDA B	Investigation Report	1/31/06
MDA G	CME Work Plan	2/28/06
MDA V	Investigation Report	4/30/06
Upper Los Alamos Canyon Aggregate Area ³	Investigation Work Plan	4/30/06
Mortandad Canyon	Investigation Report	6/30/06
MDA A	Investigation Report	8/31/06
SWMUs 16-021(c), 16-003(k)	Investigation Report for Intermediate and Regional Groundwater	8/31/06
MDA H	Remedy Completion Report	9/30/06
Water Canyon/Cañon de Valle	Investigation Work Plan (includes Ancho/ Chaquehui/Indio/Fence/Potrillo Canyons)	9/30/06

*Stipulated penalties to be determined by NMED in July 2005

**Due dates will slip because of delays in approvals



Other Scheduled Work FY2005

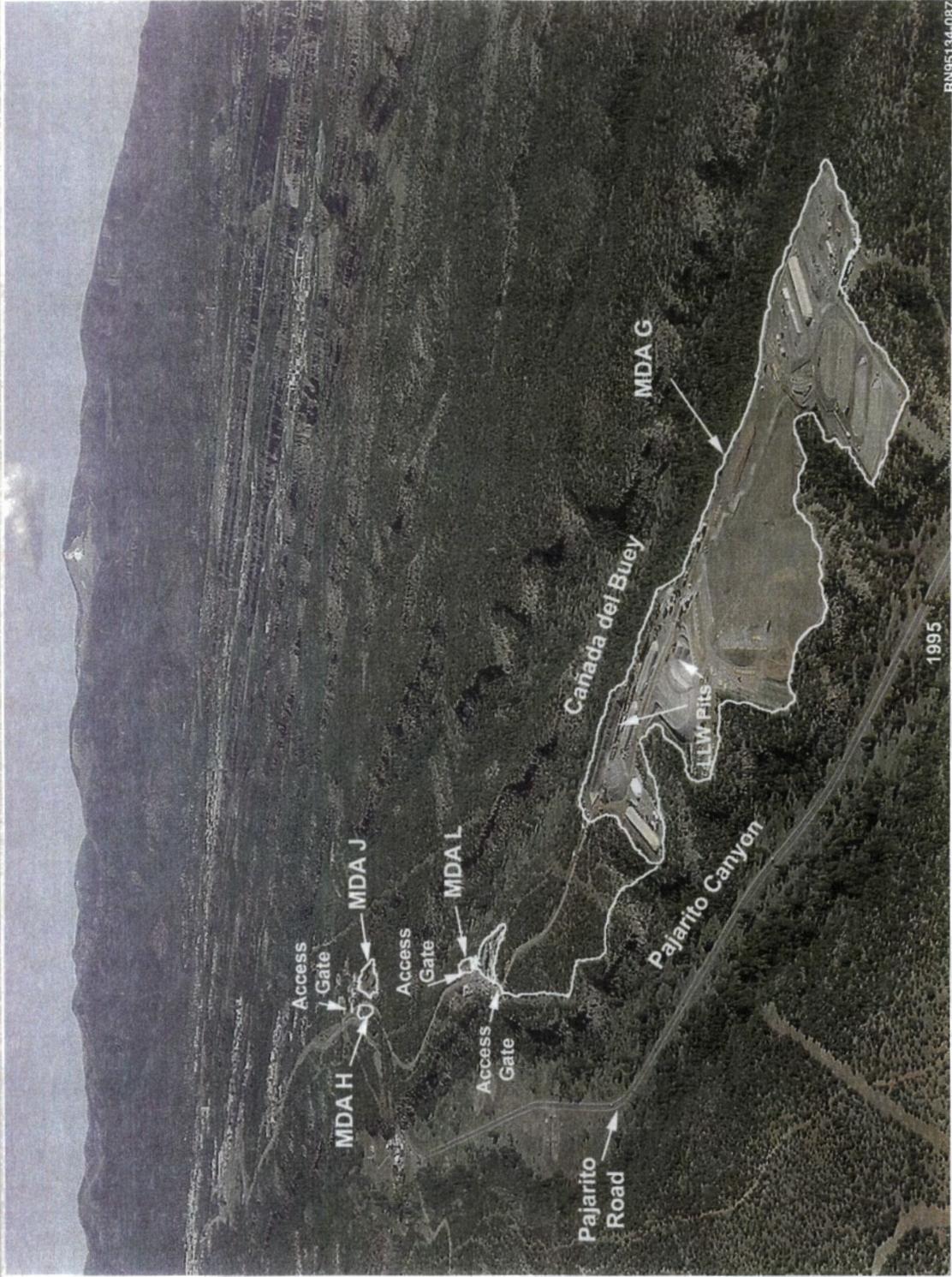
- **Drilling, sampling and analysis for 14 intermediate and regional groundwater wells**
 - 6 Regional Wells (R-3, R-10, R-17, R-24, R-27, and R-29)
 - 6 Intermediate wells in Mortandad
 - 2 Intermediate wells in LA/Pueblo
- **Site characterization (nature and extent) at MDAs A, B, C, T, U, V, G, and L**
- **Canyon investigation activities in Mortandad, LA/Pueblo, and Pajarito**
- **Corrective actions at Airport, Town Site, and TA-16**



TA-21 MDAS



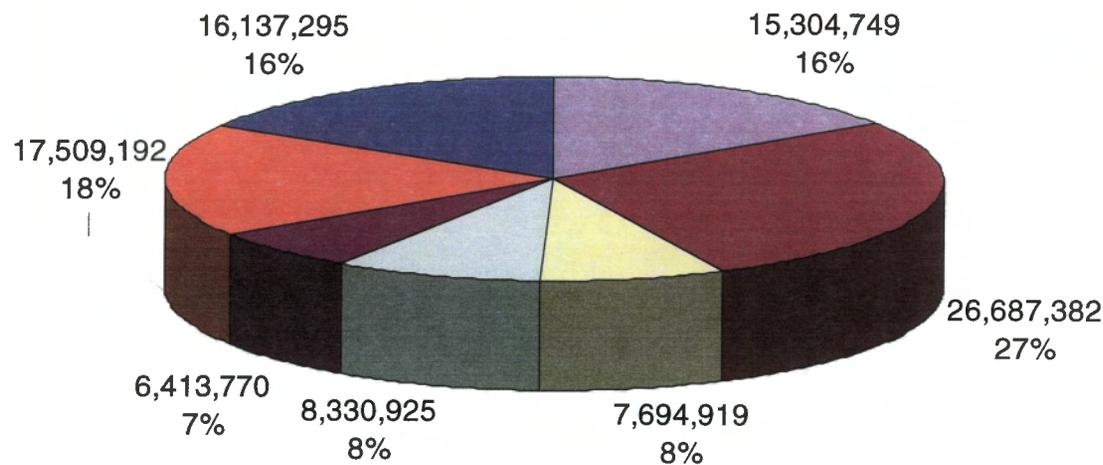
TA-54 MDAS



Breakout of FY2005 Work Plan Requested Funding



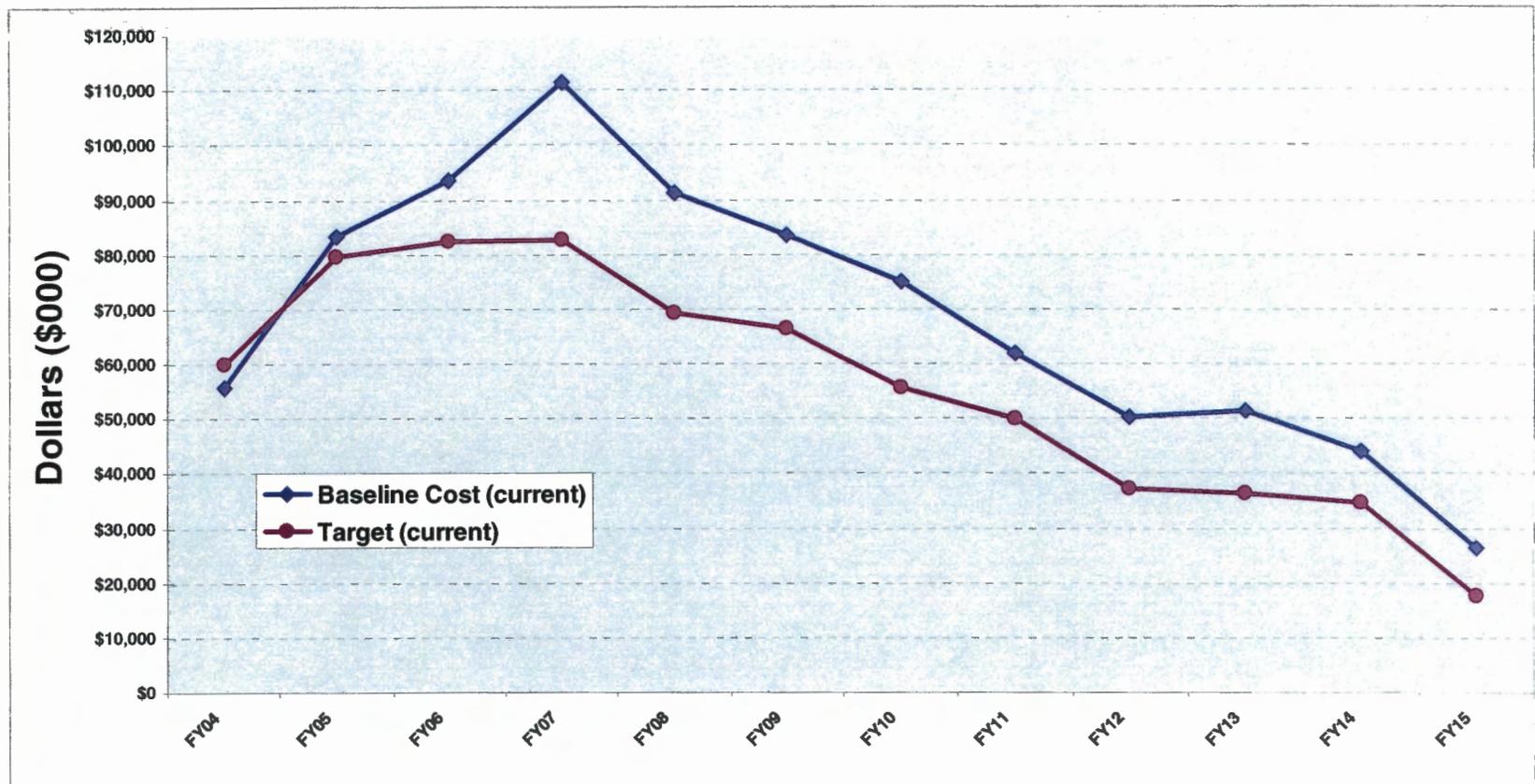
- GROUNDWATER PROTECTION ACTIVITIES
- FIELD INVESTIGATIONS AT WATERSHED AGGREGATES
- CANYON INVESTIGATIONS
- REGULATOR REQUIRED DELIVERABLES
- CLEANUPS/CORRECTIVE ACTIONS
- INFRASTRUCTURE, PROGRAM MANAGEMENT
- COMPLIANCE ACTIVITIES





Targets and Estimated Costs - Life-Cycle Baseline (IPABs Target Scenario for FY2005)

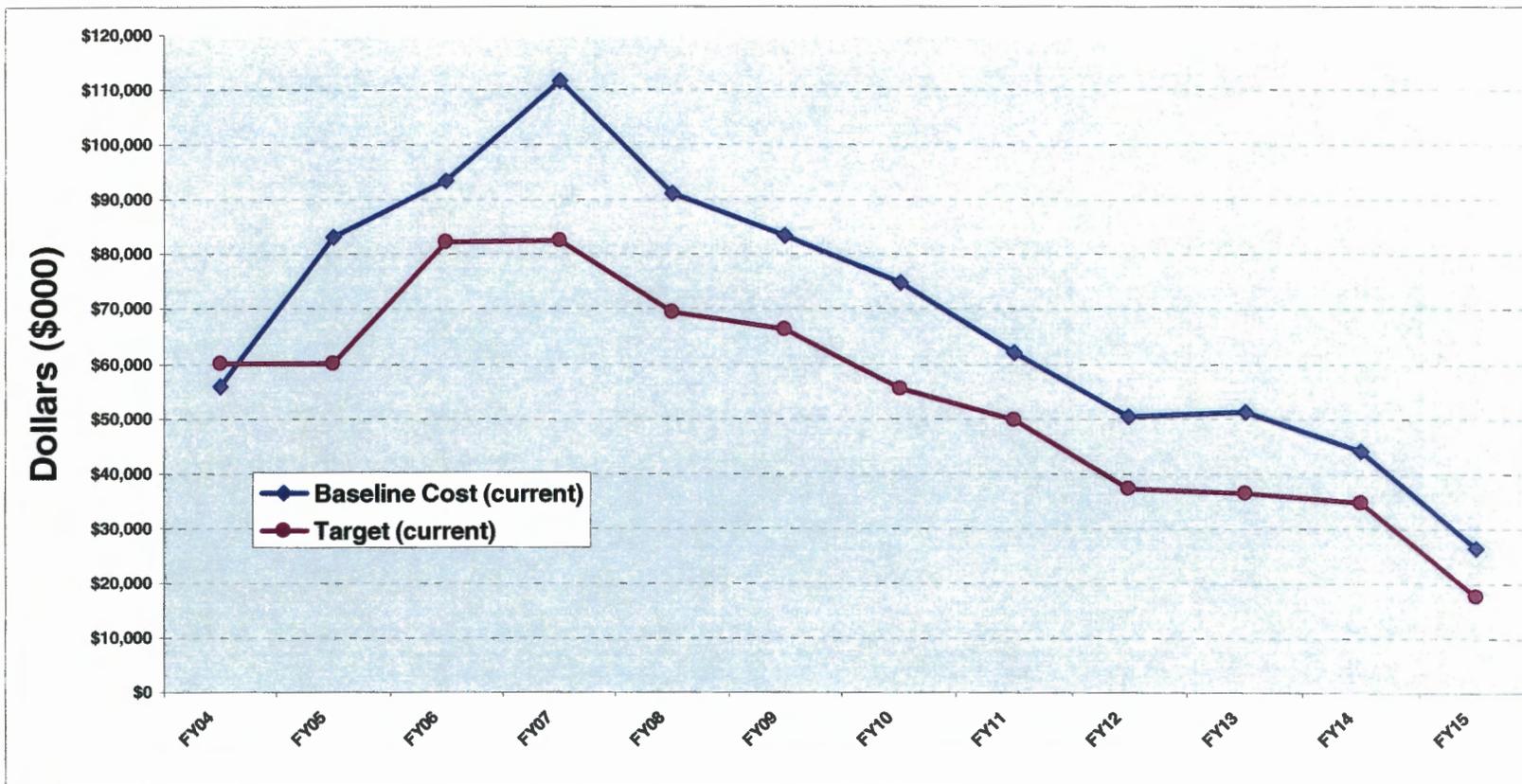
(\$000)	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	TOTAL
Target (current)	\$60,061	\$79,692	\$82,480	\$82,718	\$69,477	\$66,522	\$55,668	\$49,966	\$37,336	\$36,516	\$34,736	\$17,752	\$672,924
Baseline Cost (current)	\$55,754	\$83,307	\$93,610	\$111,608	\$91,342	\$83,496	\$74,959	\$62,063	\$50,451	\$51,362	\$44,054	\$26,517	\$828,522
											Funding Shortfall		\$155,598





Targets and Estimated Costs - Life-Cycle Baseline (Continuing Resolution Scenario for FY2005)

(\$000)	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	TOTAL
Target (current)	\$60,061	\$60,061	\$82,480	\$82,718	\$69,477	\$66,522	\$55,668	\$49,966	\$37,336	\$36,516	\$34,736	\$17,752	\$653,293
Baseline Cost (current)	\$55,754	\$83,307	\$93,610	\$111,608	\$91,342	\$83,496	\$74,959	\$62,063	\$50,451	\$51,362	\$44,054	\$26,517	\$828,522
											Funding Shortfall		\$175,229



Plans for Public Involvement



- **Development of a Public Involvement Plan in 2004**
- **Quarterly Public Meetings to status Order Implementation and Cleanup Goals for LANL**
- **Consolidation of Quarterly meetings for groundwater with meetings to status Order implementation**
- **RACER database will be available on the web in 2004 (will help understand Environmental data for Northern New Mexico)**
- **Continuing supporting CAB meetings and involvement**
- **Groundwater Protection Program Public Involvement initiatives**

Plans for Public Involvement

(continued)



➤ Groundwater Protection Program Public Involvement

- Quarterly Groundwater Protection Program status meetings and public poster session
- Water Research Technical Assistance Office
 - Information sharing with stakeholders
 - Technical assistance to local Governments
 - Educational outreach to decision-makers, school districts, and public
 - Collaboration on water research in Northern New Mexico



Public Involvement Opportunities

- **CMS process for MDAs A, B, H, L, U, V, T**
- **Airport Landfill Project**
- **Risk-Based End-States**
- **Interim Groundwater Monitoring Plan**

Additional Information



**Water Research Technical Assistance Office (WARTAO)
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