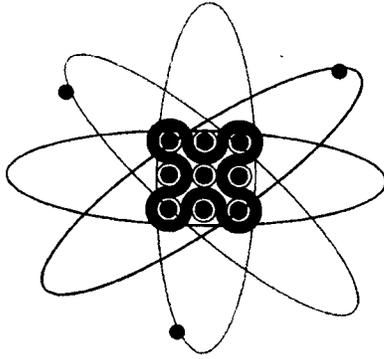
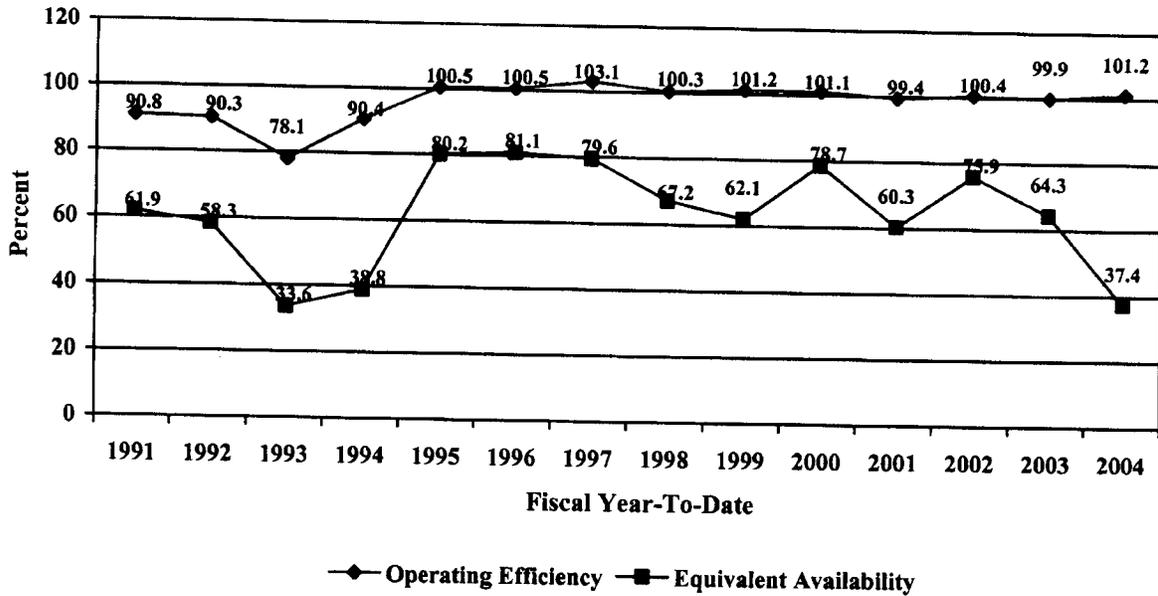


**FY 2003 PERFORMANCE BASED INCENTIVES
REACTOR PROGRAMS**

PEMP (PBI) Measures	Expectations	Performance Status	Measure Achieved
1. Safely & effectively operate the ATR to maximize work completed within available funds.	Achieve 100% operating efficiency with no unscheduled outages, and no safety basis events.	Currently, YTD Operating Efficiency for the ATR is 101.2%.	
2. Safely and effectively operate the TRA in the most cost effective manner to maximize work completed within available funds.	2. Targets are established to demonstrate nominal and achievable cost efficiencies in TRA operating-funded activities. a). Identify cost savings up to \$500K. b). Cost savings in excess of \$500K.	a). Currently, with multi-year savings, there has been over \$191.5K identified by BBWI and approved by NE-ID. It is anticipated that the remainder of the \$500K will be achieved. b). It is anticipated that BBWI will be able to identify an additional \$600K in cost savings.	
4. Perform project management in a safe and cost effective manner in order to meet established milestones for cost and schedule for identified TRA projects.	Identified projects are completed within cost and schedule parameters defined in established milestones.	All milestones with a determined due date are on schedule. There are two milestones (Potable Water and the 10 Year Plan) that are waiting for funds to be approved before due dates are determined.	
5. Perform TRA maintenance in a manner that achieves maximum effective utilization of resources, as measured by Maintenance Performance Indicator (MPI) and Maintenance Completion Indicator (MCI).	Plan, schedule, perform, and track TRA maintenance work to meet established MPI and MCI goals.	MCI: Currently, there have been no outages to provide data on, therefore, there is no status for the MCI. MPI: Dec. – A) Schedule Adherence = 74.56%, B) Break-in Rate = .40%, and C) Craft Utilization = 74.42%, Total Dec MPI = 1.0162. Jan. – A) 76.01%, B) 0.00%, and C) 64.20%, Total Jan MPI = 1.0005. FY04 Avg. – A) 75.42%, B) 0.16%, and C) 68.00%, Total FY04 Average MPI = 1.0061.	
7. Safely and effectively complete the identified ATR Core Internals Changeout (CIC) and reactor systems maintenance and upgrade activities.	Radiological performance will be improved and identified milestones will be completed by the end of the CIC.	Radiological performance and the status on 4 of the 6 milestones cannot be measured until commencement of CIC, which is anticipated to begin on July 24, 2004. Milestone 5: ATR SNF Shipments to INTEC – has not began, current planning has the first shipment to INTEC scheduled for March or later. Milestone 6: ATR Canal Preparation – (1) The transfer tool has been repaired. The beryllium shims have been removed from storage in the beryllium blocks, no beryllium blocks have been moved to the deep section. (2) Three waste boxes have been filled and prepared for transport, when fourth box is full, all four boxes will be shipped to RWMC at once.	
8. Review the ATR SAR and TSR (design and safety basis) for needed plant modifications for operational and safety compliance, to identify needed safety basis changes and plant modifications to be performed during CIC or subsequent outages.	Identified milestones will be completed as scheduled.	Milestone to complete the design and safety basis recover plan is on schedule to be completed February 27, 2004. The other milestone dates will be determined within the recovery plan.	

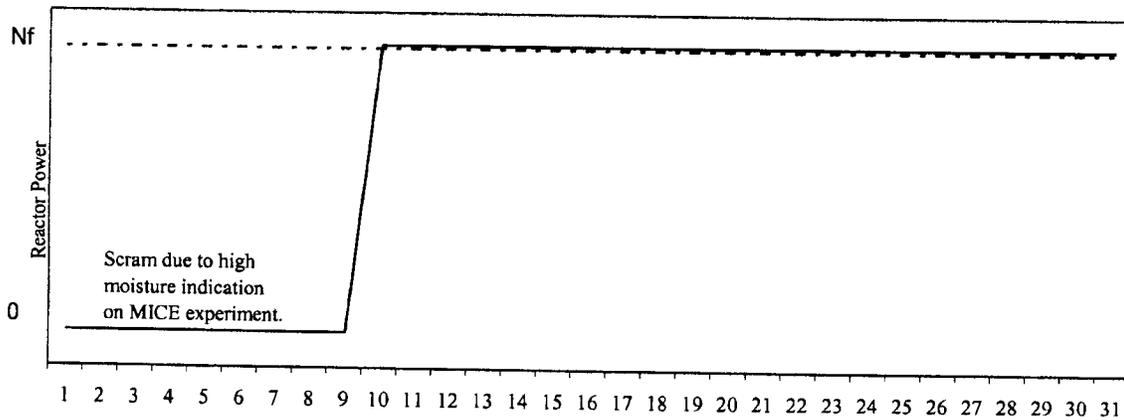


ATR Operating Efficiency and Equivalent Availability



— Actual
 - - - Scheduled

JANUARY 2004 ATR SCHEDULE INTEGRITY



NAVAL REACTORS FUNDING SUMMARY
(\$ in thousands)
FY2004 - January

Description	FY03 Prior Year Uncosted	FY04		FY04 YTD Costs	FY04 YTD Commitments	FY04 Remaining	
		Planned New Budget Authority	Total FY04 Funding				
Operating	1,053	49,474	50,527	15,864	791	33,872	Inv Charge
Inventories - Fuels/Spares	1,979	4,041	6,020	-	1,755	4,265	972 Inv Cost
Capital Equipment	643	0	643	151	-	492	643
DOE-ID Holdback	0	155	155	-	-	155	
Projects Operating Support	547	330	877	299	-	578	
General Plant Projects	173	700	873	85	1	787	
Line Item Capital Projects	39	0	39	-	-	39	
BBWI Subtotal - Operating	3,579	53,845	57,424	16,163	2,546	38,715	
BBWI Subtotal	4,434	54,545	58,979	16,399	2,547	40,033	
TOTAL	4,434	54,700	59,134	16,399	2,547	40,188	

Naval Reactors Budget Summary
January FY 2004

Task Number	Description	YTD Budget	YTD Actuals	YTD Variance		Annual Budget	Outstanding Commitments	
				\$	FTE			Percent
100186	ATR Gross	\$	16,199.6	15,864.1	\$ 335.5	2%	61,963.9	791.2
		FTEs	299.4	314.5	-15.1	-5%	298.4	
100188	ATR Evaluation & Servicing	\$	0.0	0.0	\$ -	0.0	0.0	0.0
		FTEs	0.0	0.0	0.0	0.0	0.0	
100368	ATR Special Process Spares	\$	88.3	11.4	\$ 76.9	87%	-7,495.0	534.9
		FTEs	0.0	0.0	0.0	0.0	0.0	
100369	Fuel Fabrication	\$	418.9	-386.2	\$ 805.1	192%	1,802.7	1,220.2
		FTEs	0.0	0.0	0.0	0.0	0.0	
SUBTOTAL ATR GROSS		\$	16,706.8	15,489.3	\$ 1,217.5	7%	56,271.6	2,546.3
		FTEs	299.4	314.5	-15.1	-5%	298.4	
100187	Naval Reactors Construction Operating	\$	54.5	41.1	\$ 13.4	25%	111.2	0.0
		FTEs	1.2	0.7	0.5	42%	0.8	
100542	Reg Rod Operating Support	\$	116.9	32.6	\$ 84.3	72%	130.5	0.0
		FTEs	1.6	0.4	1.2	75%	0.5	
100543	RDAS Operating Support	\$	255.4	224.8	\$ 30.6	12%	433.1	0.0
		FTEs	4.0	3.5	0.5	13%	2.0	
TOTAL OPERATING		\$	17,133.6	15,787.8	\$ 1,345.8	8%	56,946.4	2,546.3
		FTEs	306.2	319.1	-12.9	-4%	301.7	
910007	TOTAL CAPITAL EQUIPMENT	\$	244.5	151.0	\$ 93.5	38%	642.5	130.8
		FTEs	0.0	1.8	-1.8	0%	0.0	
920034	Reactor Data Acquisition System	\$	120.2	85.1	\$ 35.1	29%	155.0	0.6
		FTEs	1.9	1.5	0.4	21%	0.7	
920033	ATR Regulating Rod Control System Upgrade	\$	0.0	0.0	\$ -	0.0	0.0	0.0
		FTEs	0.0	0.0	0.0	0.0	0.0	
TOTAL GENERAL PLANT PROJECTS		\$	120.2	85.1	\$ 35.1	29%	155.0	0.6
		FTEs	1.9	1.5	0.4	21%	0.7	
TOTAL PROGRAM		\$	17,498.3	16,023.9	\$ 1,474.4	8%	57,743.9	2,677.7
		FTEs	308.1	322.4	-14.3	-5%	302.4	
MANAGEMENT RESERVE		\$					1,235.1	
Based on Current Approved Funding								
Management Reserve includes FY2004 budget/scope for the 40 Ton Crane Project (\$700K) GPP not yet incorporated into the budget baseline								

Naval Reactors Program January 2004 Cost Performance Report

		FY Cumulative to Date								FY 2004 Annual Budget
		Budgeted Cost			Variance					
		BCWS	BCWP	ACWP	Schedule	%	Cost	%		
C.4.01.01.01.01	Base Operations	2,433,411	2,431,676	2,683,151	-1,735	0.0	-251,475	-10.3	8,608,469	
C.4.01.01.02.01	ATR Experiments	2,084,964	2,068,586	2,212,324	-16,378	-0.7	-143,739	-6.9	7,600,465	
C.4.01.01.03.01	Special Process Spares	223,370	376,494	234,805	153,124	68.5	141,690	37.6	8,962,338	
C.4.01.01.03.02	Fuel Support	1,065,979	1,088,672	1,112,975	22,693	2.1	-24,303	-2.2	4,121,946	
C.4.01.01.05.01	Operations	1,433,280	1,433,393	1,290,347	114	0.0	143,046	9.9	4,804,867	
C.4.01.01.05.02	Plant Systems	2,626,005	2,593,263	2,526,923	-32,742	-1.2	66,340	2.5	5,523,929	
C.4.01.01.05.03	ATR Preventive and Corrective Maintenance	943,399	943,399	977,159	0	0.0	-33,760	-3.5	3,297,092	
C.4.01.01.05.04	ATR Outages Support	214,129	229,636	187,020	15,506	7.2	42,616	18.5	1,465,680	
C.4.01.01.05.05	ESH&QA	670,697	663,289	610,047	-7,407	-1.1	53,242	8.0	2,297,787	
C.4.01.01.05.06	Document Control	369,512	369,512	322,610	0	0.0	46,902	12.6	1,247,223	
C.4.01.01.05.07	Training	604,876	620,444	699,268	15,568	2.5	-78,824	-12.7	1,964,988	
C.4.01.01.05.08	ATR Facility Support	547,574	547,574	483,877	0	0.0	63,697	11.6	1,861,100	
C.4.01.01.05.09	Nuclear Engineering	751,130	751,130	723,655	0	0.0	27,475	3.6	2,599,980	
C.4.01.01.05.10	CIC	264,837	167,959	177,585	-96,878	-36.5	-9,627	-5.7	939,228	
C.4.01.01.05.11	ATR Operations Facilities Support	1,226,460	1,226,752	934,051	292	0.0	292,701	23.8	3,701,607	
C.4.01.01.06.01	Program Management	814,244	814,438	739,839	194	0.0	74,599	9.1	2,846,256	
C.4.01.01.06.02	Capsule Revenues	0	0	0	0	0.0	0	0.0	0	
C.4.01.01.06.03	Capsule Expense	34,566	34,566	24,988	0	0.0	9,578	27.7	120,966	
C.4.01.01.10.01	ATR Gross Capital Equipment	244,453	205,733	150,959	-38,720	-15.8	54,774	26.6	642,523	
C.4.01.01.11.01	ATR RDAS Replacement	375,589	297,591	309,844	-77,999	-20.7	-12,253	-4.1	588,027	
C.4.01.01.13.01	Reg Rod Control Upgrade	116,940	48,434	32,668	-68,506	-58.5	15,766	32.5	130,483	
C.4.01.01.CN.4T	40-Ton Crane Upgrade Project	19,265	18,180	9,642	-1,085	-5.6	8,538	46.9	19,265	
C.4.01.01.CN.GS	NR Construction General Support	35,207	35,164	31,448	-43	-0.1	3,716	10.5	91,927	
Total		17,099,889	16,965,886	16,475,186	-134,003	-0.7	490,700	2.8	63,436,145	

January 2004 TRA Inventory Activity Report

Spares Inventory		YTD	FY 2003 Carryover BA	FY 2004 Plan BA	Planned Net Change
FY 04 Beginning Inventory Value		\$ 13,822,962			
Receipts		\$ 114,456	Receipts/WIP \$ 388,000	\$ 547,000	
Issues		\$ (94,519)	Issues	\$ (8,430,000)	
Work In Process		\$ 38,672	Total	\$ (7,883,000)	\$ (7,495,000)
Beryllium		\$ 0			
Hafnium		\$ 0			
Other		\$ (47,167)			
Total (Net Change)		\$ 11,442			
Current Inventory Value as of 1/24/04		\$ 13,834,404			
Project 100368					
Total BA		\$ 935,000			
Less: Receipts & WIP		\$ 153,128			
Less: Outstanding Commitments		\$ 534,895			
Remaining BA		\$ 246,977			
BA %		74%			
Fuel Inventory		YTD	FY 2003 Carryover BA	FY 2004 Plan BA	Planned Net Change
FY 04 Beginning Inventory Value		\$ 16,204,648			
Work In Process		\$ 489,898	WIP \$ 1,591,000	\$ 3,533,701	
Issues		\$ (876,120)	Issues	\$ (3,321,955)	
Total		\$ (386,222)	Total	\$ 211,746	\$ 1,802,746
Current Inventory Value as of 1/24/04		\$ 15,818,426			
Project 100369					
Total BA		\$ 5,124,701			
Less: WIP		\$ 489,898			
Less: Outstanding Commitments		\$ 1,220,184			
Remaining BA		\$ 3,414,619			
BA %		33%			

This page was left blank intentionally.

C.4.01.02 NUCLEAR ENERGY SUMMARY

SCOPE

The Test Reactor Area (TRA) is a fenced complex of approximately 104 acres including over 88 facilities and 70 major structures. The TRA is home to the world's largest and most advanced test reactor, capable of simulating years of radiation exposure in short periods of time to test material performance in radiation environments.

The primary focus of the Nuclear Energy (NE) Program is maintenance, upgrades and repair of the infrastructure necessary to support the Advanced Test Reactor (ATR) and other INEEL activities. This also includes preparing TRA facilities, with no current or future mission, for Decontamination and Deactivation.

Projects are planned to replace or upgrade the current infrastructure to achieve goals of footprint reduction, energy conservation, and maintenance and repair of equipment and facilities. Other efforts will focus on hazardous waste determination and disposition of legacy waste, remediation, characterization, and closure of contaminated tanks and tank systems. The identification and remediation of environmental issues will be supported to allow completion of the enforceable milestones negotiated under the Voluntary Consent Order (VCO). Restart of TRA Hot Cell will support use of the Hot Cell and Test Train Assembly Facility (TTAF) for the fabrication of experiment assemblies and fueled experiments for irradiation in the ATR.

ACCOMPLISHMENTS

- VCO – NE Catch Tank Remediation – Performed entry into the TRA-630 Catch Tank Pump Vault for the first manned entry since 1994 to conduct a radiation survey.
- TRA Potable Water Well Project – Completed Rough Order of Magnitude (ROM) estimate, and proceeded with update to the Conceptual Design Report.
- TRA NE Environmental Projects – TRA-605 Hot Waste Water Disposal – Finalized project closeout documentation for project completion.
- TRA NE Construction General Support – Provided revisions to support planning for the INL Ten Year Site Plan (TYSP).

SCHEDULE VARIANCE

The cumulative Nuclear Energy SV is (24%), or (\$770.1K), behind schedule. The main contributors are as follows:

- TRA Hot Cell Facility Operations – (\$167K). The planned Management Self Assessment (MSA) and Operational Readiness Review (ORR) for the restart of the Hot Cell Facility has been delayed contingent on the approval of the Documented Safety Analysis (DSA) submitted to NE-ID in December.

Impact: Delay in restart of the facility is anticipated.

Corrective Action: Preparations for the MSA and ORR will continue.

- TRA NE VCO Projects – (\$392K). Unanticipated field conditions (Catch Tank Closure Project) such as higher than expected line sediment loadings and radiation fields, different piping configurations, different line materials, different line routings, and unidentified lines were encountered in November. This has led to the delay in excavation and disposing of soils and the hot cell drain excavation. Also, much of the excavation work was required to be performed by hand rather than mechanical equipment. The manned entry into the vault required three weeks of preparation, which was more than estimated, due to ALARA concerns.

C.4.01.02 NUCLEAR ENERGY SUMMARY

Impact: Enforceable Milestone work scope may need to be renegotiated with the State of Idaho.

Corrective Action: A team has been established to identify waste storage and technology challenges and discuss with company management and Idaho Department of Environmental Quality (IDEQ). A revised schedule will be developed to address impacts to the Catch Tank Closure Project. Work will continue on areas not affected by the excavation.

- NE Landlord – (\$132K). TRA 649/652 HVAC modifications and MTR Life Safety Systems were not started due to material delay and resources being diverted to support ATR activities.

Impact: No impact, work will be done as resources become available.

Corrective Actions: No actions are anticipated at this time.

COST VARIANCE

The cumulative Nuclear Energy CV is (10%), or (\$236.4K), over budget. The main contributors are as follows:

- NE TRA Electrical Utility Upgrade LICP – (\$392K). Costs for prior year contract work are being reported that is not reflected in the annual work plan baseline data.

Impact: None, the project is working on previously planned project work scope as reported in the lifecycle schedule.

Corrective Action: None, costs will level out as project is completed.

- TRA NE VCO Projects – \$61K. Improved and simpler methods of sampling lead to \$233K cost underrun in the Tank Assessment Project. This, in part offsets the cost overrun of \$200K of the Catch Tank Project that has experienced significant resource requirements to complete less work scope than planned.

Impact: Cost estimate and schedule will require revision.

Corrective Action: Replanning and revising the remaining work scope is being developed.

ISSUES

1. NE TRA VCO Projects – Catch Tank Closure Project has a growing list of unknown conditions that are surfacing as excavations progress. No disposition path has been secured for mixed low-level waste debris that is being uncovered in the excavations. In addition, personnel have been assigned to other projects, limiting resource availability.

Impact: Both cost and schedule will have to be evaluated against IDEQ closure milestones.

Corrective Actions: A team has been established to identify waste storage and technology challenges and discuss with company management and IDEQ. A revised schedule and cost estimate will be developed to address impacts to the Catch Tank Closure Project.

2. Projects – Fire and Life Safety LICP – Seismic response data will not be available for TRA-670. The project has proposed removing work scope associated with installation of the truck bay area sprinklers.

Impact: Work scope removal will allow project to stay on schedule and within budget.

C.4.01.02 NUCLEAR ENERGY SUMMARY

Corrective Actions: A change request will be developed to correct the baseline and adjust project work scope.

90-DAY LOOK AHEAD

- February:
 - Propose revised path forward work activities to IDEQ for the NE TRA VCO Catch Tank Closure Project.
 - Grout and abandon NE TRA Environmental Project Well #2 Abandonment Project.
 - Complete design review on the Elevator Recall and 4160 Volt Buss Enclosure for the Fire and Life Safety Upgrade LICP construction activities.
 - Implement NE-ID approved DSA pursuant to TRA Hot Cell operations.
- March:
 - Complete documentation to install access into the TRA-605B Hot Waste Storage Tank.
 - Prepare LICP and GPP supporting documentation and revisions to support the FY2006 Budget Call.
 - Begin Management Self Assessment of TRA Hot Cell operations to verify implementation of Hot Cell Safety Basis.
 - Develop revised cost and schedule for NE TRA VCO Catch Tank Closure Project.
- April:
 - Hot tap and video inspect the TRA-605B Hot Waste Storage Tank.
 - Complete construction on the Elevator Recall and 4160 Volt Buss Enclosure for the Fire and Life Safety Upgrade LICP construction activities.
 - Conduct TRA Hot Cell Operational Readiness Review (ORR).

This page was left blank intentionally.

TRA Nuclear Energy Funding Summary
(\$ in thousands)
FY2004 - January

Description	FY04		Total FY04 Funding	FY04 YTD Costs	FY04 YTD Commitments	FY04 Remaining
	FY03 Prior Year Uncosted	Planned New Budget Authority				
TRA Landlord/TRA Hot Cell Ops	34	4,274	4,308	1,102	28	3,178
TRA Hot Cell Upgrade	22	0	22	9	-	13
TRA Environmental Compliance	2,141	3,346	5,487	768	586	4,133
Capital Equipment	1	0	1	-	-	1
Projects Operating Support	686	1,172	1,858	195	-	1,663
General Plant Projects	800	1,000	1,800	-	-	1,800
Line Item Capital Projects	1,239	2,295	3,534	571	91	2,872
DOE Recission/Holdback	0	443	443	443	-	0
BBWI Subtotal - Operating	3,684	9,792	13,476	2,074	614	10,788
BBWI Subtotal - Total	4,923	12,087	17,010	2,645	705	13,660
TOTAL	4,923	12,530	17,453	3,088	705	13,660

Nuclear Energy Budget Summary
January FY 2004

Task Number	Description	YTD Budget		YTD Actuals		YTD Variance		Annual Budget	Outstanding Commitments
		\$	FTEs	\$	FTEs	\$ --- FTE	Percent		
100190	TRA Landlord Facility/Hot Cell Operations	\$ 1,487.6		1,102.4		\$ 385.2	26%	4,781.3	28.1
		FTEs 33.5		24.2		9.3	28%	31.9	
100388	TRA Hot Cell Upgrade Project	\$ 0.0		9.0		\$ (9.0)	0.0	0.0	0.0
		FTEs 0.0		0.1		-0.1	0.0	0.0	
100191	TRA Environmental	\$ 1,316.3		768.3		\$ 548.0	42%	5,487.2	585.6
		FTEs 21.3		8.8		12.5	59%	17.8	
100189	NE Operating Support Capital Projects	\$ 120.0		90.6		\$ 29.4	25%	307.4	0.0
		FTEs 2.3		2.0		0.3	13%	1.8	
100538	Electrical Utility Project Operating Supt	\$ 20.7		71.4		\$ (50.7)	-245%	232.4	0.0
		FTEs 0.4		1.2		-0.8	-200%	1.4	
100539	Fire & Life Safety Operating Support	\$ 23.9		15.8		\$ 8.1	34%	587.1	0.0
		FTEs 0.6		0.3		0.3	50%	2.9	
100540	Utility Upgrade Operating Support	\$ 0.0		0.0		\$ -	0.0	0.0	0.0
		FTEs 0.0		0.0		0.0	0.0	0.0	
100537	Potable Water Upgrade Operating Supt	\$ 0.0		16.2		\$ (16.2)	0.0	0.0	0.0
		FTEs 0.0		0.4		-0.4	0.0	0.0	
	TOTAL OPERATING	\$ 2,968.5		2,073.7		\$ 894.8	30%	11,395.4	613.7
		FTEs 58.1		37.0		21.1	36%	55.8	
910008	TRA Landlord Capital Equipment	\$ 0.0		0.0		\$ -	0.0	0.0	0.0
		FTEs 0.0		0.0		0.0	0.0	0.0	
910008	TRA Environmental Capital Equipment	\$ 0.0		0.0		\$ -	0.0	0.0	0.0
		FTEs 0.0		0.0		0.0	0.0	0.0	
	TOTAL CAPITAL EQUIPMENT	\$ 0.0		0.0		\$ -	0.0	0.0	0.0
		FTEs 0.0		0.0		0.0	0.0	0.0	
920003	TRA Fire & Life Safety Improvements	\$ 141.2		149.5		\$ (8.3)	-6%	1,088.2	0.0
		FTEs 2.9		3.2		-0.3	-10%	4.4	
920024	TRA Electrical Utility Upgrade	\$ 64.7		421.2		\$ (356.5)	-551%	1,441.4	90.8
		FTEs 1.3		3.1		-1.8	-138%	5.6	
	TOTAL LINE ITEM CAPITAL PROJECTS	\$ 205.9		570.7		\$ (364.8)	-177%	2,529.6	90.8
		FTEs 4.2		6.3		-2.1	-50%	10.0	
TBD	TRA Potable Water Well System	\$ 0.0		0.0		\$ -	0.0	0.0	0.0
		FTEs 0.0		0.0		0.0	0.0	0.0	
	TOTAL GENERAL PLANT PROJECTS	\$ 0.0		0.0		\$ -	0.0	0.0	0.0
		FTEs 0.0		0.0		0.0	0.0	0.0	
	TOTAL PROGRAM	\$ 3,174.4		2,644.4		\$ 530.0	17%	13,925.0	704.5
		FTEs 62.3		43.3		19.0	30%	65.8	
	MANAGEMENT RESERVE - Operating	\$						1,793.2	
	MANAGEMENT RESERVE - LICP	\$						409.4	
	Based on Approved Funding Less \$443K Recission/Holdback from Line Item Projects, Capital Equipment and TRA Landlord Facility								
	Management Reserve - Operating includes Potable Water Project (GPP \$1,800K) budget/scope not yet incorporated into the budget baseline								
	and \$287K planned in FY2005 to support LICPs								
	Management Reserve - LICP includes FY2005 planned budget (\$165K). Does not included DOE held Contingency								

Nuclear Energy Program January 2004 Cost Performance Report

		FY Cumulative to Date							FY 2004 Annual Budget
		Budgeted Cost			Variance				
		BCWS	BCWP	ACWP	Schedule	%	Cost	%	
C.4.01.02.02.01	TRA Nuclear Energy Facilities	972,431	840,054	786,241	-132,377	-13.6	53,813	6.4	3,363,081
C.4.01.02.03.01	TRA NE Environmental Projects	295,926	238,624	212,904	-57,302	-19.3	25,720	10.7	1,250,623
C.4.01.02.03.02	TRA NE VCO Projects	1,020,327	616,002	555,438	-404,325	-39.6	60,564	9.8	4,236,607
C.4.01.02.04.01	TRA NE Construction Proj. Operating Support	0	0	0	0	0.0	0	0.0	0
C.4.01.02.05.01	NE Capital Equipment	0	0	0	0	0.0	0	0.0	118,919
C.4.01.02.06.02	TRA Fire and Life Safety Improvements NE-LICP	165,048	146,267	164,998	-18,781	-11.3	-18,731	-12.8	1,675,302
C.4.01.02.07.01	TRA Electrical Utility Upgrade	85,430	96,790	489,022	11,359	13.2	-392,233	----	1,673,889
C.4.01.02.16.01	Hot Cell Facility Upgrades	0	0	9,034	0	0.0	-9,034	***	0
C.4.01.02.16.03	Hot Cell Facility Ops & Maintenance	515,192	348,385	316,201	-166,807	-32.3	32,184	9.2	1,299,333
C.4.01.02.CN.GS	NE Construction General Support	119,977	118,069	90,562	-1,908	-1.5	27,507	23.2	307,353
C.4.01.02.CN.PW	TRA Potable Water Project	0	0	16,160	0	0.0	-16,160	***	0
Total		3,174,332	2,404,190	2,640,561	-770,142	-24.2	-236,370	-9.8	13,925,106

---- See individual control account for actual variance.

*** Number is divided by zero, therefore, is non-existent.

C.4.01.03 WORK FOR OTHERS SUMMARY

SCOPE

The key mission of the Work for Others (WFO) Program's is to support full utilization of the capacity and capabilities of the Advanced Test Reactor (ATR), provide irradiation services, and produce isotopes for non-Naval Reactors customers.

The following are listed as ATR WFO projects or programs:

- ATR Revenues – Irradiation revenue collected from WFO customers in FY 2004.
- International Isotopes, Inc. (I-3) – Isotope campaigns and shipments of isotopes with I-3.
- Mixed uranium-plutonium oxide (MOX) - Fuel is being pursued for disposal of surplus weapons-usable plutonium (Pu); MOX fuel irradiation test is irradiating MOX fuel produced at the Los Alamos National Laboratory (LANL); drop-in capsules with local flux monitor wires irradiated in ATR since February 1998.
- Knolls Atomic Power Laboratory (KAPL) - Perform trace metals analysis on ATR Experimental Loop 2D-SW, 2B-SE, and 2E-NW water.
- Bechtel Bettis, Inc. (Bettis) – Perform minor modifications to loop facilities at ATR.
- Atomic Energy of Canada, Ltd. (AECL) - Continue irradiation of six zirconium target specimens started with the 114C outage until after FY 2007 (to be included in November's WFO baseline).
- Magnox Electric, Ltd. (Magnox) – Closeout of project with Magnox.

ACCOMPLISHMENTS

ATR Revenues – Collected revenues of \$22K in January from WFO customers.

International Isotopes, Inc. (I-3) – Performed work per the contract and prepared for a cobalt shipment to occur in February.

MOX

- On January 22, 2004, 34 EFPDs into ATR Cycle 132A the burnups (GWd/MT) are 48.1 for Capsule 5 and 48.6 for Capsules 6 and 12.
- On January 22, 2004, 34 EFPDs into ATR Cycle 132A the peak LHGR was calculated to be 3.61 kW/ft, which easily meets the test upper limit of "less than 9 kW/ft"

KAPL – Loop samples were taken as required during the operating period.

Bettis – Loop modification efforts continue utilizing carryover funding.

AECL – Continuing the irradiation of the CANIS experiment in accordance with the customer's request.

Magnox - Contract closeout procedures were completed in January and have been submitted to accounting for final approval.

SCHEDULE VARIANCE

The WFO Program cumulative schedule variance in January is (59%), or (\$110K), behind schedule and is due to the non-operations of ATR during the first part of FY 2004 causing work scope to be delayed.

C.4.01.03 WORK FOR OTHERS SUMMARY

COST VARIANCE

The WFO Program cumulative cost variance in January is 23%, or \$17K, under budget and is mainly due to contingency being incorporated into some of the budgets for these WFO customers but not actually utilizing it.

Note: Schedule and cost variance information does not include Bettis.

ISSUES

ATR Revenues – None

International Isotopes, Inc. (I-3) – None

MOX – The planned irradiation completion of the MOX project in January 2004 has now slipped to mid April.

KAPL – None

Bettis – None

AECL – None

Magnox - None

90-DAY LOOK AHEAD

February:

- MOX:
 - Initiate disposition of remaining equipment associated with the MOX experiment.
 - Planning for the packaging and shipment of the 50 GWd/MT capsules.
 - Update MCNP calculations to reflect latest as-runs and predictions for the final cycles.
- I-3 Campaigns:
 - Anticipate shipping cobalt-60 using the GE 2000 per their direction.
- All others – Continue each WFO campaign according to the customers' contracts.

March:

- MOX:
 - Revise work package to reflect the actual ATR Cycle 132A start-up.
 - Disposition of remaining equipment associated with the MOX experiment.
 - Finalize paper "Radial Depletion Profile Characteristics of WG-MOX Fuel Pellets in ATR and PWR", INEEL/Chang, Pedersen, was submitted for the 2004 International Meeting on LWR fuel Performance, Orlando, Florida, September 19-22, 2004, if accepted.
 - Continue irradiation, and perform neutronics calculations.
- All others – Continue each WFO campaign according to the customers' contracts.

April:

- MOX:
 - Complete MOX irradiation program.
 - Disposition of remaining equipment associated with the MOX experiment.
- All others – Continue each WFO campaign according to the customers' contracts.

Work For Others Budget Summary
January FY 2004

Task Number	Description	YTD Budget	YTD Actuals	YTD Variance		Annual Budget	Outstanding Commitments	
				\$	FTE			Percent
200044	Mixed Oxide Fuel Irradiation	\$ 229.2	82.5	\$ 146.7		64%	614.5	0.3
		FTEs 3.5	1.3	2.2		63%	2.5	
200097	Support Test TP-332	\$ 7.1	1.1	\$ 6.0		85%	25.6	0.0
		FTEs 0.2	0.0	0.2		100%	0.1	
800017	CANIS	\$ 4.1	1.0	\$ 2.2		54%	11.8	0.0
		FTEs 0.0	0.0	0.0		0%	0.0	
800029	Isotope Production	\$ 54.2	37.7	\$ 16.5		30%	99.1	0.0
		FTEs 0.2	0.0	0.2		0%	0.1	
800453	BBWI ATR Design Basis Support	\$ 0.0	9.9	\$ (9.9)		0%	0.0	0.0
		FTEs 0.0	0.0	0.0		0%	0.0	
800047	Phase II IMC Graphite Material Test	\$ 0.0	1.4	\$ (1.4)		0.0	0.0	0.0
		FTEs 0.0	0.0	0.0		0.0	0.0	
WFO Program (Excluding Bettis Support)		\$ 294.6	133.6	\$ 160.1		54%	751.0	0.3
		FTEs 3.9	1.3	2.6		67%	2.7	0.0

Work for Others (WFO) Program January 2004 Cost Performance Report

		FY Cumulative to Date							FY 2004 Annual Budget
		Budgeted Cost			Variance				
		BCWS	BCWP	ACWP	Schedule	%	Cost	%	
C.4.01.03.00.00	ATR Revenues	-108,792	-71,791	-76,524	37,001	34.0	4,733	6.5	-307,000
C.4.01.03.01.01	I-3 Campaigns	54,217	44,447	37,696	-9,770	-18.0	6,751	15.1	99,144
C.4.01.03.02.01	DOE-OR Mixed Oxide Fuel Irradiation	229,169	100,846	82,458	-128,322	-55.9	18,389	18.2	614,454
C.4.01.03.03.01	KAPL Test Program	7,056	1,212	1,104	-5,844	-82.8	109	8.9	25,615
C.4.01.03.04.03	Recover & Expand ATR Design Basis	0	0	9,940	0	0.0	-9,940	***	0
C.4.01.03.08.01	AECL CANIS Experiment	4,111	1,054	2,220	-3,057	-74.3	-1,166	-110.5	11,771
C.4.01.03.09.01	Magnox Electric LTD	0	0	1,393	0	0.0	-1,393	***	0
Total (Excluding Bettis Support)		185,760	75,769	58,287	-109,991	-59.2%	17,482	23.1%	443,984

*** Number is divided by zero, therefore, is non-existent.

WFO FY04 BCPs

WFO				
Approval	IPS BCP #	WBS#	CCN	Change Description
11/20/2003	NRP04-004	Multiple	45923	FY04 WFO Carryover

This page was left blank intentionally.

**NR GENERAL PLANT PROJECTS
C.4.01.01.11.01 ATR RDAS REPLACEMENT**

Project Scope

The Reactor Data Acquisition System (RDAS) is a data acquisition computer network system and is required for the safe operation of the ATR. It stores and provides essential reactor information for the plant operators. The RDAS consists of components and subsystems from multiple vendors that work together under software control through a Digital Equipment Corporation computer system (DEC VAX-4000) using the virtual memory system (VMS) 5.04 operating system. The control software is an accumulation of modules developed under VAX Fortran, VAX C, Assembly, and the VAX DCL command language.

The present RDAS system is obsolete and contains components that are no longer manufactured nor can be supported. In addition, the lack of documentation and inaccuracy, in many cases, hinders the reliability of the system.

The components and subsystems vary in age from 15 to 25-plus years old. As such, the vendors no longer support the hardware and the software versions in use in the RDAS. Service support is either unavailable or only available through the surplus market or by arranging costly special builds with the vendor. These components and subsystems are to be replaced or upgraded to improve reliability, operability, and maintainability.

Accomplishments

Modified Xenon Restart calculation programs. Installed and ran modified applications on DAC. Modified Daily Monitoring routines. Installed and ran Daily Monitoring routines on DAC. Began modifying the Nuclear Engineering applications.

Performance Measurement Baseline Variances

Capital Schedule Variance:

The capital schedule variance is (0.3%), or \$8K, behind schedule. Variance is within reporting thresholds.

Capital Cost Variance:

The capital cost variance is 2.8%, or \$89K, under spent. Variance is within reporting thresholds.

Operating Schedule Variance:

The operating schedule variance is (3.8%), or \$44K, behind schedule. Variance is within reporting thresholds, however, the variance will continue to report an increasing schedule variance through April as described in the issues.

Operating Cost Variance:

The operating cost variance is (7.6%), or (\$88K), over spent. Variance is within reporting thresholds. The variance will, however, continue to report an increasing unfavorable operating cost variance as described in the issues.

TPC Schedule Variance:

The TPC schedule variance is (1.2%), or \$52K, behind schedule. Variance is within reporting thresholds.

TPC Cost Variance:

The TPC cost variance is 0.0%, or \$1K, under spent. Variance is due is within reporting thresholds.

Milestones

PBI - Complete close-out of the Project by August 15, 2004.

**NR GENERAL PLANT PROJECTS
C.4.01.01.11.01 ATR RDAS REPLACEMENT**

Issues

The approved carryover BCP has been incorporated into the financial reporting. However, the carryover BCP provided additional funding to cover unanticipated operational testing during reactor operation. As this testing is not in the baseline scope, the project will report an increasing unfavorable operating cost variance through project completion. There is enough funding to cover all project activities and there is no indication the project will exceed approved funding, either capital or operating.

Installation of the DAN computer system has been delayed until April in order to allow for the modification and testing of the Nuclear Engineering applications by TRA Engineering (not part of project scope). The modified Nuclear Engineering applications on DAC will be tested against the baseline applications on DAN.

90-Day Look Ahead

February:

- Incorporate Xenon Restart and Daily Monitoring into DAC baseline.
- Modify Nuclear Engineering Applications (Phase 1).
- Remove Legacy components and wiring.
- DAC turnover to Operations.

March:

- Finish upgrading applicable Nuclear Engineering Application Programs.
- Complete DAN readiness for installation.
- Update Operating procedures.
- Finish SO Testing.

April:

- Install DAN.
- SO Test Dan.
- Resolve testing anomalies.

**NR GENERAL PLANT PROJECTS
C.4.01.01.11.01 ATR RDAS REPLACEMENT**

Performance Measurement Baseline FY 2004 (in thousands):

Performance Analysis:												
Current Month - January						Prior Month - December						
	TEC (Capital)	OPC (Operating)	TPC (C + O)			TEC (Capital)	OPC (Operating)	TPC (C + O)				
BCWS	\$3,206	\$1,207	\$4,413			BCWS	\$3,184	\$1,107	\$4,291			
BCWP	\$3,198	\$1,163	\$4,361			BCWP	\$3,187	\$1,133	\$4,320			
ACWP	\$3,109	\$1,251	\$4,360			ACWP	\$3,100	\$1,203	\$4,303			
SV	(\$8)	(\$44)	(\$52)			SV	\$3	\$26	\$29			
CV	\$89	(\$88)	\$1			CV	\$87	(\$70)	\$17			
SV %	-0.3%	-3.8%	-1.2%			SV %	0.1%	2.3%	0.7%			
CV %	2.8%	-7.6%	0.0%			CV %	2.7%	-6.2%	0.4%			
SPI	1.00	0.96	0.99			SPI	1.00	1.02	1.01			
CPI	1.03	0.93	1.00			CPI	1.03	0.94	1.00			
Funding:												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
* Approved PA Amount	\$3,142	\$1,541	\$4,683			Approved PA Amount	\$3,142	\$1,203	\$4,345			
Contingency (DOE Held)	\$0	\$0	\$0			Contingency (DOE Held)	\$0	\$0	\$0			
Current FY Funds Available	\$170	\$516	\$686			Current FY Funds Available	\$118	\$193	\$311			
CFY Remaining Funds	\$92	\$290	\$382			CFY Remaining Funds	\$42	\$0	\$42			
PY Carryover Funding	\$118	\$177	\$295			PY Carryover Funding	\$118	\$177	\$295			
Estimated Completion Date	6/30/2004					Estimated Completion Date	7/31/2004					
Estimated TEC-OPC-TPC	\$3,193	\$1,541	\$4,734			Estimated TEC-OPC-TPC	\$3,193	\$1,541	\$4,734			
Outstanding Commitments	\$1	\$0	\$1			Outstanding Commitments	\$1	\$0	\$1			
Current Month						Prior Month						
	QTY	TEC \$	OPC \$			QTY	TEC \$	OPC \$				
Unresolved Trends	1	\$0	\$0			Unresolved Trends						
Resolved Trends						Resolved Trends	2	\$95	\$397			
Management Reserve (Not Included in Performance Measurement Baseline)												
Current Month						Prior Month						
		Beginning Balance	Remaining Balance				Beginning Balance	Remaining Balance				
	TEC	\$14					TEC					
	OPC	\$82					OPC					
Baseline Changes												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
Date change Approved:						Date change Approved:						
BCP Approved 11-4-03	\$3,193	\$1,541	\$4,734			BCP Approved 11-4-03	\$3,193	\$1,541	\$4,734			
Forecast:												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
EAC	\$3,193	\$1,541	\$4,734			EAC	\$3,214	\$1,689	\$4,903			
ETC	\$84	\$290	\$374			ETC	\$114	\$486	\$600			
BAC	\$3,193	\$1,541	\$4,734			BAC	\$3,142	\$1,203	\$4,345			

* Project Authorization has not been updated to reflect approved BCP.

**NR GENERAL PLANT PROJECTS
C.4.01.01.11.01 ATR RDAS REPLACEMENT**

This page was left blank intentionally.

**NR GENERAL PLANT PROJECTS
C.4.01.01.13.01 REG ROD CONTROL SYSTEM UPGRADE**

Project Scope

This project upgrades the ATR Regulating Rod (Reg Rod) control system (RRCS) to obtain greater reliability for control of the plant, longer life expectancy, and enhanced operator interface. The components of the RRCS that regulate ATR power are currently obsolete and are no longer manufactured or supported. The RRCS regulates ATR power over long periods of time and provides manual control of both ATR regulating rods.

Basic regulating function is as follows:

- ATR reactor power, as measured in the ATR ion chamber, is sent to the RRCS pre-amplifier.
- The RRCS pre-amplifier processes the ion chamber's signal for use by the RRCS controller.
- The RRCS controller processes the amplified information relative to demand power and sends commands to the regulating rod motor driver.
- The motor driver adjusts position of the ATR regulating rod to provide ATR power manual control. It uses an inner loop measurement of regulating rod position through a converter that provides the basis for the controller to compute command data for the motor driver.

The RRCS update will include purchase and installation of new hardware and new software in order to:

- Increase reliability, robustness, and serviceability
- Replace obsolete hardware that can no longer be supported
- Implement functional changes to enhance operator interface and to make the RRCS easier to learn, operate, and maintain.

Accomplishments

Completed turnover of the LPCIS on DAC. The transfer function EDF is in comment review. The final closeout software build (version 2.4) was installed and tested in ATR. The system design description is being reviewed.

Performance Measurement Baseline Variances

Capital Schedule Variance:

The capital schedule variance is 0%, or \$0K, on schedule. All capital work is complete. Variance is within reporting thresholds.

Capital Cost Variance:

The capital cost variance is (17.1%), or (\$410K), over spent. All capital work is complete. This project will retain the historical variance. All remaining funds were transferred to RDAS.

Operating Schedule Variance:

The operating schedule variance is (6.3%), or (\$78K), behind schedule. Variance is due to a delay in project closeout activities. The team is currently focused on completing RDAS.

Operating Cost Variance:

The operating cost variance is 13.9%, or \$161K, under spent. Variance is due to accumulated positive efficiencies. The project will continue to report favorable cost variances thru completion. As discussed in issues section, the resulting funding difference has been transferred to RDAS to cover unfavorable trends

TPC Schedule Variance:

The TPC schedule variance is (2.1%), or (\$78K), behind schedule. Variance is due to a delay in project closeout activities. The team is currently focused on completing RDAS.

TPC Cost Variance:

The TPC cost variance is (7.0%), or (\$249K), over spent. All capital work is complete. This project will retain the historical variance. All remaining funds were transferred to RDAS.

**NR GENERAL PLANT PROJECTS
C.4.01.01.13.01 REG ROD CONTROL SYSTEM UPGRADE**

Milestones

PBI - Complete project closeout by May 30, 2004.

Issues

The October carryover BCP has been incorporated. All capital activities are complete. The project will close with a historical cost variance, unfavorable capital and favorable operating. Resources utilized for project closeout are being shared by RDAS for efficiencies, which may have varying impact on closeout activity completion schedule.

90-Day Look Ahead

February:

- Issue SDD.
- Complete transform function EDF.
- Continue TRA personnel training.
- Continue Project Closeout activities.
- Release SDD and final EDF's.

March:

- Continue Project Closeout activities.
- Complete TRA personnel training.

April:

- Complete Project Closeout activities.

**NR GENERAL PLANT PROJECTS
C.4.01.01.13.01 REG ROD CONTROL SYSTEM UPGRADE**

Performance Measurement Baseline FY 2004 (in thousands):

Performance Analysis:												
Current Month - January						Prior Month - December						
	TEC (Capital)	OPC (Operating)	TPC (C + O)			TEC (Capital)	OPC (Operating)	TPC (C + O)				
BCWS	\$2,403	\$1,240	\$3,643			BCWS	\$2,403	\$1,277	\$3,680			
BCWP	\$2,403	\$1,162	\$3,565			BCWP	\$2,403	\$1,147	\$3,550			
ACWP	\$2,813	\$1,001	\$3,814			ACWP	\$2,813	\$980	\$3,793			
SV	\$0	(\$78)	(\$78)			SV	\$0	(\$130)	(\$130)			
CV	(\$410)	\$161	(\$249)			CV	(\$410)	\$167	(\$243)			
SV %	0.0%	-6.3%	-2.1%			SV %	0.0%	-10.2%	-3.5%			
CV %	-17.1%	13.9%	-7.0%			CV %	-17.1%	14.6%	-6.8%			
SPI	1.00	0.94	0.98			SPI	1.00	0.90	0.96			
CPI	0.85	1.16	0.93			CPI	0.85	1.17	0.94			
Funding:												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
* Approved PA Amount	\$2,866	\$1,058	\$3,924			Approved PA Amount	\$2,866	\$1,058	\$3,924			
Contingency (DOE Held)	\$0	\$0	\$0			Contingency (DOE Held)	\$0	\$0	\$0			
Current FY Funds Available	\$1	\$131	\$132			Current FY Funds Available	\$1	\$131	\$132			
CFY Remaining Funds	\$1	\$57	\$58			CFY Remaining Funds	\$1	\$78	\$79			
PY Carryover Funding	\$53	\$189	\$242			PY Carryover Funding	\$53	\$189	\$242			
Estimated Completion Date	5/30/2004					Estimated Completion Date	5/30/2004					
Estimated TEC-OPC-TPC	\$2,815	\$1,058	\$3,873			Estimated TEC-OPC-TPC	\$2,815	\$1,058	\$3,873			
Outstanding Commitments	\$0	\$0	\$0			Outstanding Commitments	\$1	\$0	\$1			
Current Month						Prior Month						
	QTY	TEC \$	OPC \$			QTY	TEC \$	OPC \$				
Unresolved Trends						Unresolved Trends						
Resolved Trends						Resolved Trends						
Management Reserve (Not Included in the Performance Measurement Baseline)												
Current Month						Prior Month						
		Beginning Balance	Remaining Balance				Beginning Balance	Remaining Balance				
TEC		\$0				TEC						
OPC		\$10				OPC						
Baseline Changes												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
Date change Approved:						Date change Approved:	\$2,815	\$1,058	\$3,873			
						Approved 11-4-03						
Forecast:												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
EAC	\$2,815	\$1,058	\$3,873			EAC	\$2,815	\$1,058	\$3,873			
ETC	\$2	\$57	\$59			ETC	\$2	\$78	\$80			
BAC	\$2,815	\$1,058	\$3,873			BAC	\$2,866	\$1,117	\$4,345			

* Project Authorization has not been updated to reflect approved BCP

**NR GENERAL PLANT PROJECTS
C.4.01.01.13.01 REG ROD CONTROL SYSTEM UPGRADE**

This page was left blank intentionally.

**NE LINE ITEM CAPITAL PROJECTS
C.4.01.02.06.02 TRA FIRE AND LIFE SAFETY LICP**

Project Scope

The purpose of the TRA Fire & Life Safety Improvements Line Item Capital Project (LICP) is to correct fire protection and life safety code deficiencies at TRA. Numerous fire code deficiencies were documented in eight formal assessments conducted within all buildings and facilities of the TRA complex between 1989 and 1993. One hundred and forty-seven buildings and structures were individually reviewed for compliance with NE-ID Orders 5480.7, 5480.4, NE-ID Appendix 12044, NE-ID 0550, National Fire Protection Association (NFPA) codes, and industry good practices for improved risk.

From this effort, 684 recommendations were developed for fire protection improvements to ensure compliance with current regulations and national codes. Improvements have been ranked in priority commensurate with available funding.

This project provides the following:

Upgrade deficient fire barriers to meet code and reduce Maximum Possible Fire Loss (MPFL) or smoke damage impacts to personnel and property.

Modifications to or installation of new automatic fire suppression systems to meet code requirements for operations personnel life safety and to reduce Maximum Credible Fire Loss (MCFL) potentials to acceptable improved risk levels as required by NE-ID Order 5480.7.

Modifications to existing building heating and ventilating systems to: control fire and smoke spread; enhance smoke detection; upgrade or replace interior doors to provide smoke and fire barriers; provide protection of structural support members; and seal penetrations in fire barriers (existing walls and floors) to provide effective control of property damage and increase life safety protection.

Modifications to the fire detection and alarm system to meet codes and to make the TRA system compatible with the Idaho National Engineering and Environmental Laboratory (INEEL) site wide fire alarm system.

Addition of fully redundant water supply, consisting of new Underwriters Laboratories (UL)-listed and Factory Mutual (FM)-approved fire pumps and a tank capable of delivering 100 percent of the highest demand for volume, pressure, and duration, to meet requirements of NE-ID Order 5480.7.

Additions or modifications to existing fire water distribution piping, hydrants, and valves.

This project has a direct positive impact on the safety of TRA by ensuring a reliable and adequate fire water supply to critical site safety systems including the Advanced Test Reactor (ATR) nuclear safety systems.

A NE-ID Fire Safety Appraisal, which was conducted in 1989, identifies the current capacity of the raw water storage tanks as deficient. The appraisal states that sufficient water must be on hand to supply the ATR Emergency Core Cooling System and a major plant fire simultaneously. This project will correct this deficiency.

The Fire & Life Safety deficiencies identified have been divided into 11 phases based on site areas and type of work activity to allow for accomplishment under a managed work plan. The phases have been developed for optimal subcontracting actions and to utilize the available qualified site crafts to accomplish the planned work in an efficient manner. (See next paragraph for effect of the 2003 rebaseline.)

Based on direction from NE-ID, this LICP will be terminated following FY04. A project rebaseline effort was completed and a Change Request was submitted to NE-ID on 22 July 2003. Project scope has been reduced to fit within available schedule and budget constraints. Original work that is still required but not planned for completion in this LICP will be postponed and completed as future projects or maintenance.

Accomplishments

- Drawings and specifications for the Fire Detection / Elevator Recall have been reviewed and comments are being incorporated.
- The ATR Primary 4160-Volt Power Cable Buss Duct is out for design review.

NE LINE ITEM CAPITAL PROJECTS
C.4.01.02.06.02 TRA FIRE AND LIFE SAFETY LICP

- Design Engineering has completed structural analyses on the M-10 emergency coolant pump power cable to include the fire-protection wrapping. It was determined that existing supports are adequate.
- The plan for resolving existing deficiencies that will remain after this LICP and that require mitigation was completed and sent to DOE-ID for review and comment or approval. This plan will be assigned a document number and entered into EDMS upon DOE approval.

Performance Measurement Baseline Variances

Capital Schedule Variance:

The capital schedule variance is (3.6%), or (\$529K), behind schedule. Variance is due to prior year work Phase 6.2 not completed as scheduled. This Life Cycle variance will remain or be reduced as the project is completed.

Capital Cost Variance:

The capital cost variance is 1.9%, or \$263K, under spent. Variance is due to prior year work Phase 6.2 not completed as scheduled. This Life Cycle variance will remain or be reduced as the project is completed.

Operating Schedule Variance:

The operating schedule variance is (4.6%), or (\$95K), behind schedule. Variance is within reporting thresholds.

Operating Cost Variance:

The operating cost variance is (1.3%), or (\$26K), over spent. Variance is within reporting thresholds.

TPC Schedule Variance:

The TPC schedule variance is (3.8%), or (\$624K), behind schedule. Variance is due to prior year work Phase 6.2 not completed as scheduled. This Life Cycle variance will remain or be reduced as the project is completed.

TPC Cost Variance:

The TPC cost variance is 1.5%, or \$237K, under spent. Variance is within reporting thresholds and is due to prior year work Phase 6.2 not completed as scheduled. This Life Cycle variance will remain or be reduced as the project is completed.

Milestones

PBI – Complete construction by September 30, 2004

Develop Plan for Remaining Scope of Work – January 6, 2004 to NE-ID (Completed on January 6, this is unfunded work)

Issues

- The reactor shutdown has pushed back the ATR schedule. F&LS construction was to occur during the scheduled 2004 March through September CIC outage and be completed by Sept 30, 2004 (NE-ID Milestone date). Projects is working with Safety and Engineering to determine if work can be accomplished at times other than during the CIC outage. Based upon discussion during design review, it appears that much of the work can be accomplished outside of the CIC outage. (This will be resolved as design is completed.)
- Because the appropriate seismic response spectra for TRA-670 will not be available for at least a year, the Project has recommended that the truck bay (canal area) sprinklers be removed from the work scope. (This scope is included in the plan for handling future work not completed as part of this LICP.) Unused funds will be either applied to new scope that can be accomplished this year, or returned to the government. A BCP will be prepared to correct the baseline and adjust scope in the PEP.
- Seismic issues have delayed design on the M-10 emergency coolant pump cable wrap task. Projects and Design Engineering are working together to minimize the overall schedule impacts.
- NE-ID plans to reduce project capital funding by \$10 K. The impact is under assessment.

**NE LINE ITEM CAPITAL PROJECTS
C.4.01.02.06.02 TRA FIRE AND LIFE SAFETY LICP**

90-Day Look Ahead

February:

- Complete design review on the Elevator Recall and 4160 Volt Buss Enclosure design packages.
- Sign off and release Approved for Construction Packages for the Smoke Detector/Elevator Recall and 4160 Volt Buss Enclosure.
- Complete a thorough review of the remaining scope and finish the estimate-to-complete in order to determine if new scope can be added to replace the truck-bay sprinkler scope or the amount by which to reduce the TPC.
- Prepare a draft BPC for the above item.

March:

- Sign off and release the Approved for Construction Packages for the M-10 emergency coolant pump cable wrap.
- Begin construction on the Fire Detection / Elevator Recall system and 4160 Volt Buss Enclosure.

April:

- Complete construction on 4160 Volt Buss Enclosure.
- Continue construction and testing of the Fire Detection / Elevator Recall system.

**NE LINE ITEM CAPITAL PROJECTS
C.4.01.02.06.02 TRA FIRE AND LIFE SAFETY LICP**

Performance Analysis:												
Current Month - January						Prior Month - December						
	TEC (Capital)	OPC (Operating)	TPC (C + O)			TEC (Capital)	OPC (Operating)	TPC (C + O)				
BCWS	\$14,562	\$2,061	\$16,623			BCWS	\$14,542	\$2,057	\$16,599			
BCWP	\$14,033	\$1,966	\$15,999			BCWP	\$14,001	\$1,960	\$15,961			
ACWP	\$13,770	\$1,992	\$15,762			ACWP	\$13,730	\$1,989	\$15,719			
SV	(\$529)	(\$95)	(\$624)			SV	(\$541)	(\$97)	(\$638)			
CV	\$263	(\$26)	\$237			CV	\$271	(\$29)	\$242			
SV %	-3.6%	-4.6%	-3.8%			SV %	-3.7%	-4.7%	-3.8%			
CV %	1.9%	-1.3%	1.5%			CV %	1.9%	-1.5%	1.5%			
SPI	0.96	0.95	0.96			SPI	0.96	0.95	0.96			
CPI	1.02	0.99	1.02			CPI	1.02	0.99	1.02			
Funding:												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
Approved PA Amount	\$14,256	\$2,619	\$16,875			Approved PA Amount	\$14,256	\$2,088	\$16,344			
Contingency (DOE Held)	\$0	\$0	\$0			Contingency (DOE Held)	\$0	\$0	\$0			
Current FY Funds Available	\$992	\$645	\$1,637			Current FY Funds Available	\$621	\$111	\$732			
CFY Remaining Funds	\$486	\$627	\$1,113			CFY Remaining Funds	\$526	\$99	\$625			
PY Carryover Funding	\$582	\$111	\$693			PY Carryover Funding	\$582	\$111	\$693			
Estimated Completion Date	3/30/2005					Estimated Completion Date	3/30/2005					
Estimated TEC-OPC-TPC	\$14,756	\$2,619	\$17,375			Estimated TEC-OPC-TPC	\$14,756	\$2,619	\$17,375			
Outstanding Commitments			\$0			Outstanding Commitments			\$0			
Current Month						Prior Month						
	QTY	TEC \$	OPC \$			QTY	TEC \$	OPC \$				
Unresolved Trends	7	TBD	TBD			Unresolved Trends	4	TBD	TBD			
Resolved Trends	0	\$0	\$0			Resolved Trends	8	\$18	\$0			
Management Reserve (Not Included in Performance Measurement Baseline)												
Current Month						Prior Month						
		Beginning Balance	Remaining Balance				Beginning Balance	Remaining Balance				
	TEC	\$130					TEC					
	OPC	\$220					OPC					
Baseline Changes												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
Date change Approved:						Date change Approved:	\$14,756	\$2,619	\$17,375			
						BCP Approved 11/24/03						
Forecast:												
Current Month						Prior Month						
	TEC	OPC	TPC			TEC	OPC	TPC				
EAC	\$14,756	\$2,619	\$17,375			EAC	\$14,756	\$2,619	\$17,375			
ETC	\$986	\$627	\$1,613			ETC	\$1,026	\$630	\$1,656			
BAC	\$14,756	\$2,619	\$17,375			BAC	\$14,756	\$2,619	\$17,375			

Note: Project Authorization has not been updated to reflect approved BCP.
DOE may hold contingency from BBWI management reserve.

**NE LINE ITEM CAPITAL PROJECTS
C.4.01.02.07.01 TRA ELECTRICAL UTILITY UPGRADE LICP**

Project Scope

The TRA Electrical Utility Upgrade Project provides for the design, procurement, and construction activities to correct specific electrical deficiencies in the 13.8kv and 5kv class equipment at the TRA. The scope addresses:

- Increased reliability by replacement of 30 to 40 year old switchgear, transformers, and panel boards.
- Consolidation and reconfiguration of the electrical distribution system to avoid safety hazards while considering provisions for future expansion.
- Simplification of switch-gear use by utilizing common voltages.
- Reconfiguration to allow preparation for demolition of facilities.
- Abatement of hazards, including electrical shock.

The project scope includes, but is not limited to, replacement of selected switchgear and facility transformers, modifications to electrical services and panels, construction of underground duct banks, replacement of power cables and control wiring, and modifications to instrumentation and control equipment.

Accomplishments

- Project in hibernation mode pending re-mobilization just prior to CIC.

Performance Measurement Baseline Variances

Capital Schedule Variance:

The capital schedule variance is (12%), or (\$548K), behind schedule. Variance is due to work not completed as originally planned in the baseline (PARS) due to unplanned reactor shutdown, partial suspension of subcontractor until CIC for work related to TRA-619 and 609, and deletion of Phase 3 scope. This work has been re-baselined into FY-2004. Corrective Action: None, variance should improve as scope is worked in 2004.

Capital Cost Variance:

The capital cost variance is (2%), or (\$89K), over spent. The variance is within reporting threshold.

Operating Schedule Variance:

The operating schedule variance is (15%), or (\$145K), behind schedule. The reason for the variance is the same as for the Capital Schedule Variance discussed above.

Operating Cost Variance:

The operating cost variance is (0.25%), or (\$2K), over spent. Variance is within reporting threshold.

TPC Schedule Variance:

The TPC schedule variance is (13%), or (\$693K), behind schedule. The reason for the variance is the same as for the Capital Schedule Variance discussed above.

TPC Cost Variance:

The TPC cost variance is (2%), or (\$91K), over spent. Variance is within reporting threshold.

Milestones

Re-mobilize the subcontractor for TRA-609/619 and Deep Well Pump No. 3 work by July 19, 2004, (CIC start past June 20, 2004, delays completion date day-for-day. The completion date extends day-for-day if NE-ID approval of Change Request CCN 45899 dated October 29, 2003, is delayed beyond December 15, 2003.)

**NE LINE ITEM CAPITAL PROJECTS
C.4.01.02.07.01 TRA ELECTRICAL UTILITY UPGRADE LICP**

Issues

Delay in completion of DWP Nos. 1 and 3 due to mechanical problems with pump no. 1. This will impact completion cost and schedule.

90-Day Look Ahead

February:

- Project in hibernation.
- Minimal support to make sure planning is ready to re-mobilize.
- Project may be requested by Operations to complete SO testing of Deep Well Pump No. 1 if repairs are completed.

March:

- Perform caretaker tasks only.

April:

- Perform caretaker tasks only.

**NE LINE ITEM CAPITAL PROJECTS
C.4.01.02.07.01 TRA ELECTRICAL UTILITY UPGRADE LICP**

Performance Analysis:													
Current Month - January						Prior Month - December							
	TEC (Capital)	OPC (Operating)	TPC (C + O)		TEC (Capital)	OPC (Operating)	TPC (C + O)		TEC (Capital)	OPC (Operating)	TPC (C + O)		
BCWS	\$4,570	\$949	\$5,519		BCWS	\$4,541	\$894	\$5,435		BCWS	\$4,541	\$894	\$5,435
BCWP	\$4,022	\$804	\$4,826		BCWP	\$3,968	\$762	\$4,730		BCWP	\$3,968	\$762	\$4,730
ACWP	\$4,111	\$806	\$4,917		ACWP	\$4,107	\$801	\$4,908		ACWP	\$4,107	\$801	\$4,908
SV	(\$548)	(\$145)	(\$693)		SV	(\$573)	(\$132)	(\$705)		SV	(\$573)	(\$132)	(\$705)
CV	(\$89)	(\$2)	(\$91)		CV	(\$139)	(\$39)	(\$178)		CV	(\$139)	(\$39)	(\$178)
SV %	-11.99%	-15.28%	-12.56%		SV %	-12.62%	-14.77%	-12.97%		SV %	-12.62%	-14.77%	-12.97%
CV %	-2.21%	-0.25%	-1.89%		CV %	-3.50%	-5.12%	-3.76%		CV %	-3.50%	-5.12%	-3.76%
SPI	0.88	0.85	0.87		SPI	0.87	0.85	0.87		SPI	0.87	0.85	0.87
CPI	0.98	1.00	0.98		CPI	0.97	0.95	0.96		CPI	0.97	0.95	0.96
Funding:													
Current Month						Prior Month							
	TEC	OPC	TPC		TEC	OPC	TPC		TEC	OPC	TPC		
Approved PA Amount	\$4,346	\$1,314	\$5,660		Approved PA Amount	\$4,346	\$849	\$5,195		Approved PA Amount	\$4,346	\$849	\$5,195
Contingency (DOE Held)	\$0	\$0	\$0		Contingency (DOE Held)	\$0	\$0	\$0		Contingency (DOE Held)	\$0	\$0	\$0
Current FY Funds Available	\$2,111	\$579	\$2,690		Current FY Funds Available	\$654	\$115	\$769		Current FY Funds Available	\$654	\$115	\$769
CFY Remaining Funds	\$235	\$508	\$743		CFY Remaining Funds	\$239	\$48	\$287		CFY Remaining Funds	\$239	\$48	\$287
PY Carryover Funding	\$654	\$115	\$769		PY Carryover Funding	\$654	\$115	\$769		PY Carryover Funding	\$654	\$115	\$769
Estimated Completion Date	7/30/2006				Estimated Completion Date	7/30/2006				Estimated Completion Date	7/30/2006		
Estimated TEC-OPC-TPC	\$5,613	\$1,314	\$6,927		Estimated TEC-OPC-TPC	\$7,709	\$1,147	\$8,856		Estimated TEC-OPC-TPC	\$7,709	\$1,147	\$8,856
Outstanding Commitments	\$91	\$0	\$91		Outstanding Commitments	\$278	\$0	\$278		Outstanding Commitments	\$278	\$0	\$278
Current Month						Prior Month							
	QTY	TEC \$	OPC \$		QTY	TEC \$	OPC \$		QTY	TEC \$	OPC \$		
Unresolved Trends	4	TBD	TBD		Unresolved Trends	4	TBD	TBD		Unresolved Trends	4	TBD	TBD
Resolved Trends	0	\$0	\$0		Resolved Trends	0	\$0	\$0		Resolved Trends	0	\$0	\$0
Management Reserve (Not Included in Performance Measurement Baseline)													
Current Month						Prior Month							
		Beginning Balance	Remaining Balance			Beginning Balance	Remaining Balance			Beginning Balance	Remaining Balance		
	TEC	\$460				TEC	\$460			TEC	\$460		
	OPC	\$116				OPC	\$116			OPC	\$116		
Baseline Changes													
Current Month						Prior Month							
	TEC	OPC	TPC		TEC	OPC	TPC		TEC	OPC	TPC		
Date change Approved:	\$5,613	\$1,314	\$6,927		Date change Approved:					Date change Approved:			
BCP Approved 1/14/04					BCP Pending Sent 10/29/03	\$5,613	\$1,314	\$6,927		BCP Pending Sent 10/29/03	\$5,613	\$1,314	\$6,927
Forecast:													
Current Month						Prior Month							
	TEC	OPC	TPC		TEC	OPC	TPC		TEC	OPC	TPC		
EAC	\$5,613	\$1,314	\$6,927		EAC	\$5,933	\$1,356	\$7,289		EAC	\$5,933	\$1,356	\$7,289
ETC	\$1,502	\$508	\$2,010		ETC	\$1,826	\$555	\$2,381		ETC	\$1,826	\$555	\$2,381
BAC	\$5,613	\$1,314	\$6,927		BAC	\$7,709	\$1,147	\$8,856		BAC	\$7,709	\$1,147	\$8,856

NOTE: Project Authorization has not been updated to Reflect approved BCP.
DOE may hold contingency from BBWI management Reserve.

**NE LINE ITEM CAPITAL PROJECTS
C.4.01.02.07.01 TRA ELECTRICAL UTILITY UPGRADE LICP**

This page was left blank intentionally.

NE GENERAL PLANT PROJECTS
C.4.01.02.CN.PW.01 TRA POTABLE WATER WELL PROJECT

Scope

The TRA Potable Water system presently installed is not in compliance with drinking water standards. The TRA firewater, industrial water, and potable water supply systems are interconnected and fed from the same well and storage systems. This presents the potential for backflow from the firewater and industrial water into the drinking water supply. This project will install a new potable well, storage tank and line to eliminate the cross connection control complications with the fire and industrial water systems at the source. The changes will isolate and separate the potable water system from the fire and industrial water systems. Cross-connect issues that exist in the various buildings will be addressed by the Facility Managers and will not be remedied as part of this project.

Summary

The project will determine the location for the new well that will be acceptable to TRA operations and landlord, as well as acceptable to DOE and State authorities. The well location will not endanger the Snake River Plain Aquifer. A new 50,000 gallon water storage tank will be located adjacent to TRA-677. Two forwarding pumps will be located in a dog-house built against the storage tank. Well water will tie into the existing potable water system in TRA-608.

Accomplishments

- Finalized ROM estimate.
- Determined that Retention Basin Funds would be needed to provide for Potable Water; Retention Basin will be delayed and funds requested via a Field Work Proposal.
- Started project initiation activities (staffing, etc.)
- Started work on updating the Advanced Conceptual Design Report.

Performance Measurement Baseline Variances

Capital Schedule Variance:

The capital schedule variance is 0%, or \$0K. Variance is within reporting thresholds.

Capital Cost Variance:

The capital cost variance is 0%, or \$0K. Variance is within reporting thresholds.

Operating Schedule Variance:

The operating schedule variance is (59.8%), or (\$147K), behind schedule. Variance is due to delays in obtaining funding.

Operating Cost Variance:

The operating cost variance is (33.4%), or (\$82K), over spent. The reason for the variance is the same as for the schedule variance.

TPC Schedule Variance:

The TPC schedule variance is (59.8%), or (\$147K), behind schedule. The reason for the variance is the same as for the operating schedule variance.

TPC Cost Variance:

The TPC cost variance is (33.4%), or (\$82K), over spent. The reason for the variance is the same as for the operating cost variance.

Milestones

PBI – Submit application to State of Idaho for the well permit. Due date: TBD.

**NE GENERAL PLANT PROJECTS
C.4.01.02.09.01 TRA POTABLE WATER WELL PROJECT**

Issues

No issues.

90-Day Look Ahead

February:

- Continue work on the Advanced Conceptual Design Report.
- Start work on updating the Project Execution Plan (PEP) and Technical and Functional Requirements (T&FR) documents.
- Hold meeting with DEQ to review the conceptual plan and determine the level of detail required for the well and system information required for their approval to get the well application approved.

March:

- Continue work on the PEP and T&FR documents
- Start preliminary design.

April:

- Continue work on the preliminary design, PEP, T&FR.

**NE GENERAL PLANT PROJECTS
C.4.01.02.CN.PW.01 TRA POTABLE WATER WELL PROJECT**

Performance Measurement Baseline FY 2004 (in thousands):

Performance Analysis:													
Current Month - January						Prior Month - December							
	TEC (Capital)	OPC (Operating)	TPC (C + O)		TEC (Capital)	OPC (Operating)	TPC (C + O)		TEC (Capital)	OPC (Operating)	TPC (C + O)		
BCWS	\$0	\$393	\$393		BCWS	\$0	\$393	\$393					
BCWP	\$0	\$246	\$246		BCWP	\$0	\$246	\$246					
ACWP	\$0	\$328	\$328		ACWP	\$0	\$315	\$315					
SV	\$0	(\$147)	(\$147)		SV	\$0	(\$147)	(\$147)					
CV	\$0	(\$82)	(\$82)		CV	\$0	(\$69)	(\$69)					
SV %	0.0%	-59.8%	-59.8%		SV %	0.0%	-59.8%	-59.8%					
CV %	0.0%	-33.4%	-33.4%		CV %	0.0%	-27.9%	-27.9%					
SPI	0.00	0.63	0.63		SPI	0.00	0.63	0.63					
CPI	0.00	0.75	0.75		CPI	0.00	0.78	0.78					
Funding:													
Current Month						Prior Month							
	TEC	OPC	TPC		TEC	OPC	TPC		TEC	OPC	TPC		
Approved PA Amount	\$0	\$633	\$633		Approved PA Amount	\$0	\$337	\$337					
Contingency (DOE Held)	\$0	\$0	\$0		Contingency (DOE Held)	\$0	\$0	\$0					
Current FY Funds Available	\$0	\$25	\$25		Current FY Funds Available	\$0	\$25	\$25					
CFY Remaining Funds	\$0	\$305	\$305		CFY Remaining Funds	\$0	\$22	\$22					
PY Carryover Funding	\$0	\$25	\$25		PY Carryover Funding	\$0	\$25	\$25					
Estimated Completion Date					Estimated Completion Date								
Estimated TEC-OPC-TPC	\$0	\$0	\$0		Estimated TEC-OPC-TPC	\$0	\$0	\$0					
Outstanding Commitments	\$0	\$0	\$0		Outstanding Commitments	\$0	\$0	\$0					
Current Month						Prior Month							
	QTY	TEC \$	OPC \$		QTY	TEC \$	OPC \$		QTY	TEC \$	OPC \$		
Unresolved Trends					Unresolved Trends								
Resolved Trends					Resolved Trends								
Management Reserve (Not Included In Performance Measurement Baseline)													
Current Month						Prior Month							
	TEC	OPC	Beginning	Remaining		TEC	OPC	Beginning	Remaining		TEC	OPC	
			Balance	Balance				Balance	Balance				
Baseline Changes													
Current Month						Prior Month							
	TEC	OPC	TPC		TEC	OPC	TPC		TEC	OPC	TPC		
Date change Approved:					Date change Approved:		\$322	\$322					
					BCP Approved 11-24-03								
Forecast:													
Current Month						Prior Month							
	TEC	OPC	TPC		TEC	OPC	TPC		TEC	OPC	TPC		
EAC	\$0	\$0	\$0		EAC	\$0	\$0	\$0					
ETC	\$0	\$0	\$0		ETC	\$0	\$0	\$0					
BAC	\$0	\$0	\$0		BAC	\$0	\$0	\$0					

**NE GENERAL PLANT PROJECTS
C.4.01.02.09.01 TRA POTABLE WATER WELL PROJECT**

This page was left blank intentionally.

NE SAFEGUARDS AND SECURITY
C.1.05.14.04.GB ATR SECURITY PERIMETER PROJECT

Scope

A higher level of access control is needed for the Advanced Test Reactor (ATR), located in the Test Reactor Area (TRA) at the Idaho National Engineering and Environmental Laboratory (INEEL). This higher level will require a new security perimeter for the ATR and several support buildings in its vicinity. The design will include security fence, personnel access, vehicle access, and an entry control facility, which includes a guardhouse, personnel entry, and vehicle barrier constructed in accordance with requirements for a Property Protection Area (PPA) as defined in DOE Order 473.1 and DOE Manual 473.1-1, and specified in the requirements defined in the approved Technical and Functional Requirements document.

Summary

The project will install a new security perimeter around the ATR area of TRA. The perimeter will be designed to comply with the existing environmental, safety, and health requirements in the area. Access and egress capabilities will be designed with operational impacts considered. The new perimeter will provide vehicle barrier capability. Access requirements for the new perimeter will be the same as for the TRA perimeter unless upgraded by ATR Operations.

Accomplishments

Technical & Functional Requirements approved on 11/4/03.
Impact Study Committee Meeting held on 11/24/03.
Conceptual Design Completed in December 2003.
Project Execution Plan issued for signature 1/29/04.

Performance Measurement Baseline Variances

Capital Schedule Variance:

N/A: The capital budget has not been initiated.

Capital Cost Variance:

N/A: The capital budget has not been initiated.

Operating Schedule Variance:

The operating schedule variance is (7%), or (\$17K), behind schedule. Variance is within thresholds.

Operating Cost Variance:

The operating cost variance is 19%, or \$45K, under spent. Conceptual design is costing less than estimated.

TPC Schedule Variance:

The TPC schedule variance is (7%), or (\$17K), behind schedule. The reason for the variance is the same as for the operating schedule variance.

TPC Cost Variance:

The TPC cost variance is 19%, or \$45K, under spent. The reason for the variance is the same as for the operating cost variance.

Milestones

Completion of construction in FY-04.

**NE SAFEGUARDS AND SECURITY
C.1.05.14.04.GB ATR SECURITY PERIMETER PROJECT**

Issues

- Operational impacts are being reviewed.
- Availability of funding being assessed.

90-Day Look Ahead

February:

- Obtain approval of PEP.
- Start Final Design.
- Start procurement specifications for long lead GFE equipment.

March:

- Start Procurement of GFE Equipment.

April:

- Complete Final Design.
- Start Bid and Award for Construction.