CGR Project Line Item Construction Project Highlights for the Week Ending December 13, 2002

Replacement Emergency Operations Center (EOC):

Work Performed This Period (December 6 through December 13, 2002)

- Completed telecom ductbank final inspection (2 punchlist items)
- Completed gas line to building less pigging the line
- Completed water line in corridor (less tie-in), initiated power for water booster pump in corridor
- Continued metal studs, vapor barrier at 1st floor
- Continued MEP & FP installation 1st & 2nd floor
- Continued CMU punchlist
- Continued fuel oil system installation including electric
- Continued roof steel and decking
- Continued site sewer connections to building & tanks
- Continued installation of primary switchgear
- Initiated rebar for first roof pour
- Initiated window frame installation
- No new developments with respect to the Design Basis Threat. Any future input that could be provided from Head Quarters would be greatly appreciated.
- No further progress on the Grant between Los Alamos County (LAC) and DOE.

Work Planned Next Period

- Complete sewer to building & tank tie-in
- Initiate building dry-in @ the garage (weather dependent)
- Complete roof joist & decking, initiate canopy roof
- Complete fuel oil system piping, continue electric & controls
- Continue MEP & FP at 1st & 2nd floor
- Continue metal studs & vapor barrier, initiate 2nd floor
- Continue window installation
- Make 1st roof pour and continue rebar installation
- Heat up permanent power to switchgear; set temporary heaters

For Questions or Comments: Contact Keith R. Orr 505-665-1734, keithorr@lanl.gov
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Partial Site Wide Fire Alarm Replacement Project:

Work Performed This Period (December 6 through December 13, 2002)
- Performed review of revised DBC final design and construction estimate
- Met with DOE in Albuquerque to discuss Estimate reviews
- Prepared BAFO versus 60% estimates comparisons for meetings with DBC
- Met with DBC to attempt to reduce and refine cost estimates for next phase
- Performed Slow Burn on CD-2/3 submittal documents
- DMJM+H released Notifier FMM-1 Acceptance Test Procedure and Notifier FMM-1 Data Sheet Acceptance Test Procedure
- DMJM+H delivered Authorization Basis Document Design Summary for Buildings for review
- Finalized OPC/TEC cost correction memo and obtained signatures
- Issued change order to DMJM+H for additional support
- CAS Supervising Station Acceptance Test Procedure comments are being incorporated by DMJM+H
- Demonstration Test for the Head End Automation System was performed
- Package 9 partial was reviewed and comments submitted to the DBC
- Started November Monthly report

Work Planned Next Period
- Incorporate LCCA information into PEP
- Finalize Slow Burn
- Continue efforts to refine estimate to TEC budget
- Obtain revised final design and construction estimate from DBC
- Finalize Monthly report for November

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Waste Management Risk Mitigation Project:

Work Performed This Period (December 6 through December 13, 2002)
- Awaited DOE review of PDSA/Safety Evaluation Report (SER)
- ESAAB rescheduled by DOE (12/13/02)
- Conducted ESAAB dry run meeting
- DOE notified LANL of concern regarding project’s structural design criteria (performance category, (PC)); a PC-2 basis is presently used; DOE is evaluating whether the project should use a more rigorous PC-3 basis.
- Continued BUS-5 review of recommended Design Build (DB) Contractor
- Continued project team training for construction activities
- Continued preparation of Waste Profile Forms/other waste documentation for low-level radioactive waste disposal
- Continued development of SWPPP
- Continued procurement process for T&B Contractor
- Finalized temporary power plan for DB Contractor
- Initiated telecommunications work order for DB Contractor
- Conducted pre-DB Contractor Team Meeting
- Incorporate 40% design review comments and continued preparation of 90% design review package for ventilation subproject
- Updated ventilation subproject ESH Plan

Work Planned Next Period
- Resolve DOE concern regarding project PC basis
- Complete ESAAB
- Complete DOE review of PDSA; submit SER
- Receive Critical Decision (CD) 2/3 from DOE
- Update TA-50-250 ESH Plan
- Updated project Hazard Category documentation
- Begin preparation of DOE Notification Report
- Complete monthly project reports
- Begin initiation of ventilation subproject acceptance test procedures (ATPs)
- Finalize excavation permit
- Continue BUS-5 review of recommended Design Build (DB) Contractor
- Continue project team training for construction activities

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- Continue preparation of Waste Profile Forms/other waste documentation for low-level radioactive waste disposal
- Continue development of SWPPP
- Continue procurement process for T&B Contractor
- Incorporate 40% design review comments and continued preparation of 90% design review package for ventilation subproject

Issues of Concern:
- CD-2/3 Delay. DOE delay of ESAAB and CD-2/3 authorization has delayed the project. CD-2/3 and DB Contract Award was planned by 11/12/02. A day-for-day delay in completing the overall project is anticipated with continued delay of CD-2/3.
- Performance Category (PC) Design Basis. DOE’s notification that the project may be required to use a more rigorous structural design basis (PC-3) could impart a significant increase in scope, schedule, and cost. Preliminary estimates indicate the project may not be feasible using a PC-3 design basis.

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Members of the CCN-4 Radio Shop proudly display their latest “Work of Art” in preparation for transfer to Emergency Management and Response (S-8)

Henry Flemming of the CCN-4 Radio Shop “hands over the keys” to George Vantiem (LANL Emergency Management and Response Group Leader)

**Multi Channel Communications Project:**

Work Performed This Period (December 6 through December 13, 2002)

- Held vendor demonstration of wireless radiological detectors
- Received chemical monitors with GPS installed
- Started chemical monitor testing
- Submitted purchase request for wireless radiological detectors
- Storage space in SM-30 warehouse was officially authorized to store MCC equipment
- Trunked radio system continues to be on hold due to lack of access to Pajarito Mt. because of snow
- Started airborne surveillance system antenna installation on roof of RAAC tower at TA-60
- Started process to get RAAC tower elevator recertified and operational
- Data Mirror personnel attended a software version control/management course
- Investigated alternate electronic sign location for Jemez/Diamond intersection. Middle median as alternative will not work due to lack of line of sign with roadway

Work Planned Next Period

- Prepare technical justification to LANL Legal to begin pursuing rewrite of DOE/LAEDC Research Park Lease
- Continue NMSHTD excavation permitting process
- Continue to install electrical for electronic signs
- Continue data mirror programming and file transfers
- Continue airborne surveillance system antenna installation

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