

Subject: ASO News – July 27, 2012

Here are a few recent items of interest from ASO:

ASO Submits Nuclear Footprint Reduction and Deactivation Plan (NFRDP) Award Nomination to SC: ASO worked with elements of SC, EM, and NE to complete a nomination package for a Secretarial Achievement award. ASO forwarded the package the week of July 23-27, 2012 for SC-1 approval.

ASO/Argonne Host SC Meetings: On July 23-26, 2012, ASO and Argonne hosted the quarterly DDFO meeting and the Operations Improvement Council (OIC) respectively. J. McBrearty, members of the SC-3 leadership team, and several Site Office Managers toured Argonne's Advanced Photon Source (APS), the Center for Nano Materials (CNM), the Theory and Computational Sciences Building (TCS), and the Energy Sciences Building (ESB) construction site on July 24th. The OIC, comprised of Site Office and Laboratory COOs met to discuss and further develop a set of initiatives designed to leverage SC resources across multiple sites. Primary OIC targets for cost reduction and/or enhanced efficiency include IT, Infrastructure, Contractor HR, and reductions/streamlining requirements.

ESPC for Argonne's Combined Heat and Power Plant: On July 26, 2012, ASO formally requested SC's Head of Contracting Activity (HCA) to approve ASO's decision to officially select the successful bidder. This decision will initiate the Investment Grade Audit (IGA) for the purposes of awarding this Energy Performance Savings Contract (ESPC). Current schedule forecasts a Task Order awarded by December 2012 and construction completed by the fall of 2014.

ASO supports Oak Ridge National Laboratory Site Office (OSO): At OSO's request, ASO's Deputy Manager and a senior Facility Representative (FR) conducted a triennial assessment of OSO's FR Representative Program on July 10-12th. In addition to assisting OSO in completing their requirement, the review served as an excellent opportunity for ASO to benchmark with another SC Site Office.

Energy Science Building (ESB): Overall construction completion is approximately 52%. The curtain wall, on all floors of the north façade, and glazing on the first floor of the south façade, are nearly complete. The curtain wall mockup, at the south-west corner of the building, was successfully tested this past week, thereby allowing the contractor to proceed with the installation of the rest of the south façade curtain wall. Enclosure of the penthouse (Equipment Room) is quite advanced, with almost all walls insulated and installation of metal skin in progress. All other trades are also advancing well. Currently, the building is expected to be water tight and fully energized in October and conditioned air provided in early November. Safety continues to be the top priority for the site.

Materials Design Laboratory (MDL): At the request of SC-31, Argonne and ASO prepared a draft Exhibit 300 Form for the potential funding of the Materials Design Laboratory (MDL) at Argonne. The MDL is proposed to enable the research capability for the Materials for Energy Initiative by constructing a 90,000sf to 150,000sf high performance laboratory office building. The Mission Need Statement for the MDL was approved on August 27, 2010, with a preliminary TEC range of \$84.5M to \$95M.

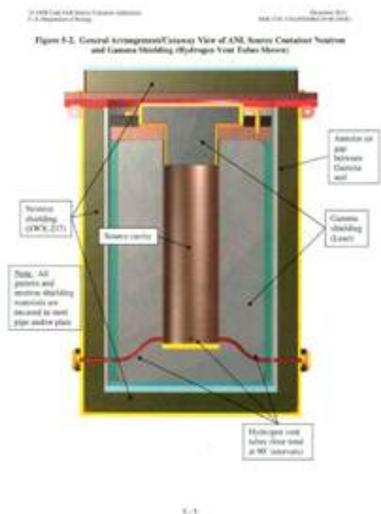
Argonne Computing Power and Cooling Upgrade (ACPCU): Argonne and ASO prepared a draft Exhibit 300 form, which will be submitted to the SC Office of Advance Scientific Computing Research (ASCR) on July 27th, for the Argonne Computing Power and Cooling Upgrade at Argonne. This MIE project upgrades infrastructure that supports the Theory and Computing Sciences Building (TCS), including high voltage electrical supply, medium voltage electrical distribution, and supporting infrastructures; air and water

cooling systems; and Argonne's central campus cooling water systems. ACPCU received CD-0 in July 2012 with a preliminary TEC range of \$18.2 M to \$22.2M.

Advanced Protein Crystallization Facility Ready to Start Building Construction: This week, Argonne awarded the APCF General Construction contract to Clark Construction and forwarded signed Grant Agreement documents to the Illinois Department of Commerce and Economic Opportunity for approval. Approval of the last two Grant Agreement documents will allow additional funding up to the total grant value. Mobilization of the GC is expected to begin this week. Mobilization will begin with erosion control, fencing, and construction trailer placement. Temporary parking will also be constructed for both APS users and construction personnel. A series of vibration tests have been completed and are in progress to establish controls needed to avoid any adverse impact to APS and CNM operations.

Alpha Gamma Hot Cell Facility and RH RU Waste Shipment Resumption: Argonne remains on schedule to complete the current phase of EM ARRA funded de-inventory scope and seamlessly initiate Phase II scope beginning August 1 2012. ASO continues to work with EM and SC to seek additional funding sufficient to down grade the facility during FY13. Argonne and ASO worked with EM and the Carlsbad Field Office; they were informed this week that RH TRU shipping will resume effective August 6 and continue through this season. This major step forward will draw down storage facility inventory currently near its limit, and preserve the option of further de-inventory by making available temporary storage facility space. Approximately two dozen shipments are possible prior to November 2012.

Type B Waste Shipment Anticipated for NFRDP Material: ASO and Argonne worked with Energy Solutions and the NNSS disposal site to arrange for final disposal of significant RaBe and Co 60 sources which originated from the FY2011 cleanout of the Bldg. 200 MA Wing hot cells. This material required a specially designed and fabricated inner container, pictured below, to conform to regulatory requirements and permit shipment in the 10-160B shipping cask. The shipping cask was loaded and departed the site on July 27, 2012. Additional Type B shipments are in planning processes.



Illinois Environmental Protection Agency: IEPA visited and toured the Argonne Site on Wednesday, July 25th. They toured numerous facilities and spent time talking to Laboratory personnel. The tour went well and they left with a positive impression of the Laboratory's work and Environmental program surrounding that work.

Shipment of Nuclear Waste Off Site - Positive Trend for the Last Two Quarters: To date, all scheduled shipping milestones are being completed on time. This last week, 82 representative drums were shipped. Progress currently appears to be supportive of shipping all FY11 waste by the end of September.