

Subject: ASO News – May 29, 2012

GAO Visit to ASO/Argonne: ASO, SC-CH, and Argonne met with GAO representatives from their DC and Chicago offices on May 24, 2012, related to a Congressionally requested review regarding the security of federal facilities not protected by the Federal Protective Service. Within DOE, this particular team had previously visited PSO/PPPL and NETL. According to the team, ASO/Argonne was the last of their field visits. ASO presented an overview of the management of safeguards and security at Argonne under the M&O contract. The session went well and little follow-up, if any, is expected.

ISM Day 2012: Argonne held the fifth Integrated Safety Management (ISM) Day on Wednesday, May 23, 2012. This year's activities were focused at the division and group level and centered around performing observation conversations, cleanup activities and division specific activities (i.e. compressed gas inventory). The observation conversation helps first-line supervisors make the most out of safety walkthroughs and conversations with their direct reports. Cleanup activities centered on excess materials, chemicals, and equipment. There was an emphasis on reconciling the inventory of compressed gas cylinders to remove old or unneeded cylinders. ASO management and ESHD staff participated in several of the division meetings, walkthroughs and cylinder inventorying effort.

ISO 9001 & 14001 Recertification: Argonne was notified by NSF-ISR that the Lab will be recertified for registered management systems for Quality Management System (ISO9001:2008) and Environmental Management System (ISO 14001:2004) as a result of the recent successful triennial audit conducted by NSF-ISR on April 30-May 4, 2012.

EM/NE/SC Software Quality Assurance (SQA) Support Group Annual Meeting and Training: This week ASO and SC-CH hosted the 3-day "ASME NQA-1 Applied to Software Used at DOE Facilities" training and 2-day EM/NE/SC SQA Support Group Annual Membership Meeting and Continuing Education. Representatives from ASO and Argonne attended the training course. Meeting topics included: discussion on site status and needs, summary of tasks completed related to security awareness and oversight, non-nuclear safety software, SQA requirements, and qualification assistance process. Continuing education consisted of sessions on SQA Liaisons and a needs survey.

Argonne Leadership Computing Facility Upgrade (ALCF-2) Project: The Argonne Leadership Computing Facility's 10-petaflops computing system, named "Mira", will consist of a total of 48 compute racks. The delivery of IBM's Blue Gene/Q compute and I/O racks to Argonne's Theory and Computing Sciences (TCS) building is continuing. At the end of last week, 35 of 48 racks had been delivered and installed. IBM is on track to complete the delivery and installation by the end of May. Following the delivery, installation, integration, and successful completion of the acceptance tests, it is anticipated that "Mira" will be contractually accepted this fiscal year.

Dynamic Compression Sector (DCS) Project: The DCS, an NNSA funded project, will build a high-energy x-ray beam line at the Argonne's APS. APS has assigned Sector 35 to the new DCS beamline. With this decision, NNSA has agreed to support the construction of a new Laboratory Office Module in support of the DCS program. The project will take immediate steps to incorporate the new facility requirements into the project and begin the related design efforts. The DCS project is also developing the preliminary beamline design and project documents for a CD-2 Independent Project Review planned for September 2012. Frank Gines is ASO's Federal Project Director for the DCS.

FY2012 Annual FIMS Validation: ASO teamed up with SMEs from SC-CH to conduct the annual Argonne FIMS Validation on May 16-17, 2012. It included the review of data points from a random sampling of Argonne Buildings and Other Structures and Facilities (OSF) found in the FIMS database. The random sample selected consisted of a mixture of twenty-five (25) Assets including Buildings and OSFs. The team reviewed and compared FIMS data points for over 40 required data elements with Source Documentation from the identified SMEs that developed each data point. No errors or omissions were found. The result was a Score Card of Green meaning data was found to be accurate and complete. The Review team provided some recommendations to the Laboratory that will improve the strength of their Source Documentation.

Request for Transfer of Banked Space: On May 16, 2012, OECM waived 300,000SF from the East Tennessee Technology Park (ETTP) in Oak Ridge, TN to Argonne. ASO submitted a waiver request to OECM on May 15, 2012 requesting up to 300,000SF to cover construction activities from 2012 through 2017. This included the Materials Design Laboratory (MDL), ESB deferred scope extension, IGPP Program activities and possible LOM expansion activities at the APS. The OECM waiver is necessary, and part of, the CD-1 requirements for the MDL Project.

Argonne Energy Sciences Building (ESB) Top Out Event: Argonne's General Contractor for the ESB sponsored a Top Out Event on Thursday May 17, 2012. Attendees included SC-31 project sponsors, SC Office of Project Assessment, Argonne & ASO Management and Project Teams and the construction team of workers. All attended to recognize the topping out of the building and the overall safe work environment that has existed so far during construction activities. Dr. Isaacs briefed attendees on the importance of the building in terms of the research and new discoveries it will support in the years ahead. The event was well received by all. In addition, during their visit, SC-31 conducted a mini Review of the ESB Project. The mini review went well and SC's Office of Project Assessment is preparing a report.

Advanced Protein Crystallization Facility (APCF) Progress, IL Funding Notification Received: Argonne informed ASO this week that they've received notification letters from the IL Department of Commerce & Economic Opportunity (IDCEO), regarding the appropriation of both APCF grants. This funding, totaling \$20M dollars, fully funds the project. The funds were provided via the State bond fund. Argonne has taken action to submit required information to the IDCEO, which is then subject to State review prior to receipt of the funds. Procurement of the general contractor progressed with receipt of best and final offers. Argonne evaluation of the vendor proposals is in progress. Work continues on site preparation construction, using currently available funding.

Alpha Gamma Hot Cell Facility (AGHCF) Progress: EM Recovery Act work continues to deinventory the facility with two additional shipments to WIPP made this week. Shipments to WIPP will not resume until May 31st due to escort resource constraints associated with the NATO summit in Chicago and the Memorial Day holiday. However, WIPP has deployed resources sufficient to support a three (3) truck convoy shipment on May 31st, which will help to maintain overall shipping objectives. ASO also received very favorable news regarding a USEPA required regulatory action to allow disposal of RH TRU drums from the Bldg. 205 K Wing fuel specimen, liquids solidification process. USEPA informed us to expect formal approval of this batch of high activity drums no later than June 14th 2012.

AGHCF Funding Proposal: ASO continues to work with SC-31 and Office of Environmental Management (EM) to seek support for the proposal to continue AGHCF de-inventory beyond the current project term of July 31, 2012. ASO, SC-31 and EM continued discussions on a May 24th teleconference. EM is

supportive of a baseline change request, prepared by ASO, to redirect existing EM funds (~\$2.7M) toward this new scope – while researching several alternatives to provide supplemental funds. If successful in fully funding this proposal and executing the corresponding work scope, DOE/Argonne could downgrade AGHCF to < Haz Cat 3 as early as the end of FY2013.