Subject: ASO News – December 1, 2011

SC Contractor Assurance System (CAS) Peer Review: The Argonne CAS Peer Review is now scheduled for March 7-8, 2012. Potential Peer Review Team members have been identified, and the team membership is currently being vetted with the SC CAS Peer Review Steering Committee.

ASO Verification of NFRDP Completion: On December 1, 2011, ASO formally notified SC-3 of completion of the Nuclear Footprint Reduction & Deactivation Program (NFRDP). NFRDP was an intensive 3-year project to bring Argonne's nuclear facilities into compliance with 10 CFR 830 compliance, while dramatically reducing Argonne's radioactive inventory. NFRDP resulted in the downgrading of several nuclear facilities, including B200 MA/MB Wing and B205 K-Wing to radiological status (<Haz Cat 3). Completing NFRDP represents a significant achievement by SC and for the site, one that reflects the hard work and dedication of many including SC-3, ASO, Argonne, and the ISC.

Alpha Gamma Hot Cell Facility (AGHCF) Waste Disposition Progress: EM Recovery Act "Buyback" scope continues at the AGHCF. Drum out-load campaign #24 is in progress and will move waste to Bldg 331 where it is staged until shipments resume to the Waste Isolation Pilot Plant in the spring of 2012. Robot repair activity slowed some progress but is expected to be completed this week. ASO continued to work with Argonne to develop a proposal for additional EM funding beyond the current scope. Latest estimates to achieve <HC3 at AGHCF are in the neighborhood of $10-12M, putting this monumental objective into the realm of reality.

SC's EM Prioritization Process Development to Resume: ASO made plans to announce active resumption of this work which was temporarily delayed during unusually intense FY11 nuclear cleanup activity. Formal announcement from ASO to the Site Office/SC-31 working group is expected this month with production of the initial draft process description early in the second quarter of FY12. Members of the working group include representatives from SC-31, ASO, BSO, BHSO, ORSO, and SSO.

Cleanout of B200 MA/MB Wing Continues: Omnibus and Argonne indirect funding continues to support a major campaign to remove all excess material and contaminated items which remained after the <HC3 level, reached in September. The fan loft and MB Wing are now clear. MA Wing is expected to finish later this month, which will allow facility characterization to begin.

FY 2012 Institutional General Plant Project (IGPP) Program: ASO reviewed and approved Modification 01 to Argonne's FY 2012 IGPP Program. ASO approved an additional twelve projects for funding this week. The approved funding level is now at $11.7M. ASO approved one additional Performance Baseline for the Upgrade 5KV System project. This project will design and complete construction to upgrade two substations at Argonne.

Advanced Protein Crystallization Facility: On November 30, Argonne concluded its 95% final design for the Advanced Protein Crystallization Facility, a wholly State-funded facility that will be built adjacent to the Advanced Photon Source. The project final design and requisition

documents are expected to be completed in December to support start of the bid process in early January 2012.

Energy Sciences Building: The ESB project is in the construction phase and progressing well. However, an error in the 1st allocation of FY 2012 funds ($14.97M allocated vs. $37.2M needed) severely limited funds available to the project. For several weeks, this significant funding shortfall posed a threat to the continuity of the project, nearly necessitating demobilization of the contractor from the site. This potential step, of course, would have been very disruptive and costly, hurting the program and DOE's mission. ASO and Argonne worked closely with HQ to clarify and resolve the funds needed, and the recently issued AFP corrected the shortfall. ASO is working with Argonne, SC-31, and SC-4 to review lessons learned. Meanwhile, constructing ESB safely remains at the forefront. This link is the project's latest communication to site employees regarding navigating safely around the construction site (ESB Pedestrian Safety Message).

Sustainability: Building 438, a 23,657 gsf Laboratory Office Module (LOM) adjoining the Advanced Photon Source (APS) facility, is the first existing DOE facility at Argonne to achieve the High Performance Sustainable Building (HPSB) status, per EO 13514, "Federal Leadership in Environmental, Energy, and Economic Performance", requirements. To meet the Guiding Principles of the HPSB, the modifications included: replacement of fluorescent lights with LED lights, throughout, and installation of occupancy sensors in offices, laboratories, washrooms and corridors; replacement of restroom fixtures (sinks and urinals) with high-efficiency units; replacement of standard sink faucets with high-efficiency motion activated units; and provision of heat recovery from the APS beam-line for heating needs. The lighting modifications, in addition to improving the quality of light, are estimated to save 77,107 KWh per year. While the combined energy cost reduction from lighting and heating retrofits is estimated at 23.8 percent, surpassing the HPSB goal of 20 percent. This project was part of Argonne's broader Green Lab Initiative, to identify energy and water conservation measures, while reducing greenhouse gas (GHG) emissions and providing a better work environment to the users of the facility.

ANL Compensation System – Argonne began implementation of a comprehensive redesign of ANL's career framework (for exempt employees) in December. This initiative redefines and develops career structures consistent with today's marketplace. The overall goal is to make sure Argonne continues to attract, retain, develop and engage the world-class workforce needed to pursue the DOE mission.