

INFORMATION REPORT

October 1, 2014

SECY-14-0103

For: The Commissioners

From: Melanie A. Galloway
Assistant for Operations
Office of the Executive Director for Operations

Subject: WEEKLY INFORMATION REPORT - WEEK ENDING
SEPTEMBER 19, 2014

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**Office of Administration (ADM)
Items of Interest
Week Ending September 19, 2014**

Computational Support for Risk Applications II

On September 11, 2014, as a result of a non-competitive solicitation, cost-reimbursement Interagency Agreement No. NRC-HQ-60-14-D-0018, entitled, "Computational Support for Risk Applications II," was awarded to Idaho National Laboratory (INL) of Idaho Falls, ID. The laboratory will provide technical support for assessing the significance of operating experience information, for providing timely and effective communication to stakeholders, and for applying the lessons learned to regulatory decisions and programs affecting nuclear reactors. The period of performance is September 11, 2014, through October 15, 2019. The total cost ceiling is \$5,154,719.

Human Reliability Analysis Method Improvement and Guide Development

On September 11, 2014, as a result of a non-competitive solicitation, cost-reimbursement Interagency Agreement No. NRC-HQ-60-14-D-0031, entitled, "HRA Method Improvement and Guide Development," was awarded to Sandia National Laboratory (SNL) of Albuquerque, NM. This agreement will provide technical support from the laboratory to bridge the technical gaps identified to implement the Integrated Decision-Tree Human Event Analysis System methodology and the generic Human Reliability Analysis methodology. The period of performance is September 15, 2014, through March 31, 2017. The total cost ceiling is \$1,266,479.

NUREG-1921 Supplement

On September 11, 2014, as a result of a non-competitive solicitation, cost-reimbursement Interagency Agreement No. NRC-HQ-60-14-D-0022 was awarded to SNL, of Albuquerque, NM. This agreement will provide support in developing additional guidance for both loss of habitability and loss of control scenarios that result in Main Control Room abandonment. The period of performance is September 12, 2014, through April 30, 2017. The total cost ceiling is \$876,061.

Maintenance and Operations Support

On September 11, 2014, as a result of a non-competitive solicitation, labor-hour Task Order No. NRC-HQ-10-14-T-0004 was issued under Contract No. NRC-HQ-11-C-33-0059 to Continuum Dynamics, Inc., Federal of Fairfax, VA. The task order provides maintenance and operational support services. The intent of this task order will be to enhance, support and expand upon, but not duplicate, contractor maintenance and operational efforts currently underway at the NRC. The period of performance is September 26, 2014, through September 25, 2015, with six 1-year option periods. The total cost ceiling is \$4,792,790, inclusive of options.

Enclosure A

**Office of Federal and State Materials and Environmental Management Programs
Agreement States Website Operations and Maintenance**

On September 11, 2014, as a result of a non-competitive solicitation, labor-hour Task Order No. NRC-HQ-55-14-T-0001 was issued under Contract No. NRC-HQ-11-C-33-0060 to Lockheed Martin of Gaithersburg, MD. The task order provides assistance to the NRC in communicating with the Agreement States, non-Agreement States, and the public on routine program issues, policies, information, and overall NRC policy. The period of performance is September 26, 2014, through September 25, 2015, with six 1-year option periods. The total cost ceiling is \$804,301, inclusive of options.

High Performance Computing System – Systems Administration

On September 11, 2014, as a result of a non-competitive solicitation, labor-hour Task Order No. NRC-HQ-60-14-T-0001 was issued under Contract No. NRC-HQ-11-C-33-0060 to Lockheed Martin of Gaithersburg, MD. The task order provides on-site support for the operation and maintenance of the High Performance Computing Systems Multi-Platform computer, server hardware, and systems/applications software located at NRC headquarters. The period of performance is September 26, 2014, through September 25, 2015, with six 1-year option periods. The total cost ceiling is \$1,549,889, inclusive of options.

Welding Technology and Codes Course

On September 11, 2014, as a result of a competitive solicitation, firm fixed-price Contract No. NRC-HQ-84-14-C-0009 was awarded to Edison Welding Institute, Incorporated of Columbus, OH. The contract provides for the conduct of a 2-week course on welding technology and codes. The period of performance is September 30, 2014, through September 29, 2015, with four 1-year option periods. The total fixed price is \$641,802, inclusive of options.

Advanced Instrumentation in Support of Trace Model Development

On September 12, 2014, as a result of a non-competitive solicitation, cost-reimbursement Task Order No. NRC-HQ-60-14-T-0001 was issued under Contract No. NRC-HQ-13-C-04-0022 to Purdue University, of West Lafayette, IN. This task order provides an advanced two-phase flow instrumentation system with the capability to be used to aid in the development of constitutive models for the TRACE code. The period of performance is September 12, 2014, through September 11, 2016. The total cost ceiling is \$660,213.

Atomic Safety and Licensing Board Panel Cyber Security Program Support Services

On September 12, 2014, as a result of a competitive solicitation, labor-hour/fixed-price Task Order No. NRC-HQ-7D-14-T-0001 was issued under General Services Administration (GSA) Contract No. GS06F0641Z to MAR Incorporated of Rockville, MD. The contractor shall assist the NRC in establishing and maintaining a robust cyber security program that operates in compliance with the applicable Federal and NRC cyber security regulations, policy, standards, and guidance. The period of performance is September 12, 2014, through February 20, 2015. The total estimated ceiling is \$160,000.

Rulemaking and Guidance Development for Security Requirements Related to Storage of Spent Nuclear Fuel (Wet & Dry Environments)

On September 12, 2014, as a result of a non-competitive solicitation, cost-reimbursement Interagency Agreement No. NRC-HQ-11-14-D-0002, entitled, "Rulemaking and Guidance Development for Security Requirements Related to Storage of Spent Nuclear Fuel (Wet and Dry Environments)," was awarded to SNL of Albuquerque, NM. This agreement provides technical support to assist NRC staff with spent fuel and high-level nuclear waste storage at independent spent fuel storage installations and monitored retrievable storages, decommissioning rulemakings, and the development or update of several regulatory guides and NUREGs. The period of performance is September 15, 2014, through September 30, 2019. The total cost ceiling is \$519,431.

Modeling Total Plant Response to Flooding Events

On September 12, 2014, as a result of a non-competitive solicitation, cost-reimbursement Interagency Agreement No. NRC-HQ-60-14-D-0029 was awarded to INL, of Idaho Falls, ID. This agreement provides support to develop approaches to investigate total plant response to flooding events using margin analysis, probabilistic risk assessment, and dynamic analysis approaches that depict scenarios through simulation. The period of performance is from September 12, 2014, through September 30, 2016. The total cost ceiling is \$432,524.

Review of License Amendment Request - Arkansas Nuclear One Unit 1 (ANO-1), Transition to National Fire Protection Association Standard 805 (NFPA-805), "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants"

On September 15, 2014, as a result of a competitive solicitation, cost-reimbursement Task Order No. NRC-HQ-20-14-T-0021 was issued under Enterprise-Wide Contract (EWC) No. NRC-HQ-50-14-E-0001 to Southwest Research Institute (SwRI) of San Antonio, TX. This agreement will provide technical expertise from Center for Nuclear Waste Regulatory Analyses or SwRI to assist the staff in determining the safety adequacy of the ANO-1, 10 *Code of Federal Regulations* (CFR) 50.48(c), NFPA 805 license amendment request in the technical review areas of nuclear power plant fire modeling and fire protection. The period of performance is September 29, 2014, through July 29, 2016. The total cost ceiling is \$213,597.

High Density Polyethylene Piping Evaluation (HDPE) Support

On September 15, 2014, as a result of a non-competitive solicitation, cost-reimbursement Task Order No. NRC-HQ-60-14-T-0002 was issued under Contract No. NRC-HQ-60-14-E-0001 to Engineering Mechanics Corporation of Columbus, OH. This task order will confirm the allowable service life conditions proposed in the new American Society of Mechanical Engineers Section III Appendix regarding HDPE piping for new construction and draft Code Case N-808 regarding HDPE piping repair and replacement activities. The period of performance of this task order is September 16, 2014, through September 15, 2017. The total cost ceiling is \$325,811.

**Review of License Amendment Request - ANO-1, Transition to NFPA-05,
“Performance-Based Standard for Fire Protection for Light Water Reactor Electric
Generating Plants”**

On September 15, 2014, as a result of a non-competitive solicitation, cost-reimbursement Task Order No. NRC-HQ-20-14-T- 0038 was awarded under Interagency Agreement No. NRC-HQ-20-14-D-0014 to Pacific Northwest National Laboratory (PNNL), of Richland, WA. This agreement will provide technical expertise from PNNL to assist the staff in determining the safety adequacy of the ANO-1, 10 CFR 50.48(c), NFPA 805 license amendment request in the technical review areas of nuclear power plant fire protection and fire protection engineering, safe shutdown analysis and circuit analysis, and probabilistic risk assessment. The period of performance is from September 29, 2014, through June 28, 2016. The total cost ceiling is \$426,256.

NetApp Maintenance Renewal

On September 15, 2014, as a result of a competitive solicitation, firm fixed-price Purchase Order No. NRC-HQ-10-14-P-0030 was awarded to Blue River Information Technology, of Herndon, VA. This order provides for NetApp Support Edge Premium four-hour onsite maintenance service for Brocade Switch and storage arrays. The period of performance is November 1, 2014, through October 31, 2015. The total fixed-price is \$216,765.

Technical Assistance Related to Nondestructive Evaluation and In-Service Inspection of Spent Fuel Dry Storage Systems

On September 15, 2014, as a result of a non-competitive solicitation, cost-reimbursement Interagency Agreement No. NRC-HQ-60-14-D-0020 was awarded to PNNL of Richland, WA. This agreement will provide technical assistance to develop a technical basis to support the development of in-service inspection guidance and associated requirements for the inspection of spent fuel dry storage systems, and to provide technical assistance on nondestructive and in-service inspection related issues to the NRC on an as-needed basis. The period of performance is September 29, 2014, through June 30, 2016. The total cost ceiling is \$369,286.

Purchase Encase Enterprise and Associated Software

On September 15, 2014, as a result of a competitive solicitation, firm fixed-price Task Order No. NRC-HQ-7S-14-T-0001 was issued under GSA Contract No. GS35F0265X to Immix Technology Incorporated of McLean, VA. The task order provides for EnCase Enterprise, Portable, eDiscovery, and associated software. The period of performance is September 30, 2014, through September 29, 2015, with four 1-year option periods. The total price is \$251,814, inclusive of all options.

Force on Force Inspections – Advisor Support to the U.S. Special Operations Command

On September 16, 2014, as a result of a non-competitive solicitation, cost-reimbursement Interagency Agreement No. NRC-HQ-11-14-I-0007 was awarded to the U.S. Army Corps of Engineers of MacDill Air Force Base, FL. The agreement provides technical assistance from the Corps of Engineers' U.S. Special Operations Command in evaluating the effectiveness of NRC-licensed facilities physical security programs in protecting against external threats. The period of performance is September 15, 2014, through September 14, 2019. The total cost ceiling is \$2,500,000.

Regional Climate Change Projections – Potential Impacts to Nuclear Facilities

On September 16, 2014, as a result of a non-competitive solicitation, cost-reimbursement Interagency Agreement No. NRC-HQ-60-14-D-0025 was awarded to PNNL of Richland, WA. This agreement will provide technical assistance to produce annual reports on the developments in climate change research and to assess the potential for identified trends to impact NRC licensing and oversight activities. The period of performance is from September 30, 2014, through September 29, 2017. The total cost ceiling is \$330,907.

Learning Transformation Instructional Design Support

On September 16, 2014, as a result of a non-competitive solicitation under Section 8(a) of the Small Business Act, labor-hour Contract No. NRC-HQ-84-14-C-0010 was awarded to Advanced Computer Learning Co., LLC. of Fayetteville, NC. The contract provides for instructional design support to the NRC's Learning Transformation initiative. The period of performance is September 16, 2014, through September 15, 2015, with four 12-month option periods. The total cost ceiling is \$618,205, inclusive of all options.

Review of Portions of Near Term Task Force (NTFF) Recommendation 2.1 Flood Hazard Re-Evaluations Related to Dam Failures

On September 17, 2014, as a result of a competitive solicitation, cost-reimbursement Task Order No. NRC-HQ-25-14-T-0023 was awarded under the EWC No. NRC-HQ-50-14-E-0001 to SwRI, of San Antonio, TX. This task order will provide technical expertise to assist staff in reviewing the portions of the flood hazard re-evaluations that pertains to failure of offsite or onsite dams. The period of performance is September 19, 2014, through September 30, 2016. The total cost ceiling for this task order is \$992,010.

Budget Formulation System and Oracle Business Intelligence Enterprise Edition Operations and Maintenance Support

On September 17, 2014, as a result of a competitive solicitation, labor-hour Order No. NRC-HQ-7N-14-O-0003 under Blanket Purchase Agreement (BPA) No. NRC-HQ-13-A-09-0006 to Deloitte Consulting, LLP of Arlington, VA. The BPA order provides operating and maintenance support for the NRC Budget Formulation System Environment, that includes, but is not limited to, Oracle system, application and reporting maintenance, Oracle Business Intelligence Foundation reporting maintenance, Oracle Data Integrator extract transfer, and load maintenance. The period of performance is October 1, 2014, through January 31, 2015. The total cost ceiling is \$190,057.

Technical Assistance to Support NRC Review of NRC Form 396, “Certification of Medical Examination by Facility Licensee”

On September 17, 2014, as a result of a competitive solicitation, labor-hour Contract No. NRC-HQ-20-14-C-0002 was awarded to Inomedic Health Application, Incorporated of Hampton, VA. The contract provides medical technical assistance from a licensed physician in the administration of NRC Form 396, “Certification of Medical Examination by Facility Licensee,” when a conditional license may be required based on medical evidence. The period of performance is October 1, 2014, through September 30, 2019. The total cost ceiling is \$275,299.

Destinations of Released Patients following Treatments with Iodine-131 and Estimation of Doses to Members of Public at Locations other than Conventional Residences Receiving Such Patients

On September 17, 2014, as a result of a competitive solicitation, EWC No. NRC-60-14-E-0003 was awarded to Sanford Cohen and Associates of Vienna, VA. This contract will provide technical analytical support to the Office of Nuclear Regulatory Research on the external and internal doses received by members of the general public at hotels, nursing homes, or other institutional settings that receive treated patients immediately after their release. The period of performance is September 22, 2014, through September 21, 2016. The total cost ceiling is \$950,000.

Technical Support to Evaluate Topical Reports for Westinghouse WCAR-17867-P, “Westinghouse Solid State Protection Systems Board Replacement Licensing Summary Report”

On September 17, 2014, as a result of a competitive solicitation, cost-reimbursement Task Order No. NRC-HQ-20-14-T-0015 was issued under EWC No. NRC-HQ-50-14-E-0001 to SwRI of San Antonio, TX. This task order provides technical support to conduct evaluations of assigned topical report reference documents, evaluate the submitted materials against the appropriate regulations and guidance, and provide input covering the assigned subject matters to the staff’s final safety evaluation report. The period of performance is September 15, 2014, through December 31, 2014. The total cost ceiling is \$170,039.

Review Diablo Canyon Units 1 & 2 License Amendment Request Pertaining to Risk-Informed Technical Specification Task Force Initiative 4B, “Provide Risk-Informed Extended Completion Times TSTF-505”

On September 17, 2014, as a result of a competitive solicitation, cost-reimbursement Task Order No. NRC-HQ-20-14-T-0018 was issued under EWC No. NRC-HQ-50-14-E-0001 to SwRI of San Antonio, TX. This task order provides for technical assistance in determining the acceptability of Diablo Canyon Units 1 & 2 License Amendment Request. The period of performance is September 29, 2014, through September 28, 2015. The total cost ceiling is \$215,339.

Effects of Environmental Factors on Human Manual Actions for Flood Protection and Mitigation at Nuclear Power Plants

On September 18, 2014, as a result of a non-competitive award, cost-reimbursement Interagency Agreement No. NRC-HQ-60-14-D-0028 was awarded to PNNL, of Richland, WA. This agreement will provide technical assistance in researching environmental factors that could impact the manual actions performed throughout a plant and around the site associated with flood protection and mitigation. The period of performance is from September 22, 2014, through September 30, 2016. The total cost ceiling is \$626,914.

Office of the Chief Human Capital Officer (OCHCO)
Items of Interest
Week Ending September 19, 2014

Arrivals		
BENEVIDES, LUIS	HEALTH PHYSICIST	RES
DIJAMCO, DAVID	MATERIALS ENGINEER	NRR
EDWARDS, GEOFFREY	HEALTH PHYSICIST	R-III
JENSEN, MELODEE	ADMINISTRATIVE ASSISTANT	R-II
KENNEDY, JAMES	SR. PROJECT MANAGER	FSME
LE, DIEM	INFORMATION TECHNOLOGY SPECIALIST	ADM
LEPRELL, BRIAN	CRIMINAL INVESTIGATOR	OI
MEYD, DONALD	PRINTING SERVICES SPECIALIST	ADM
NEUHAUSEN, ALISSA	GENERAL ENGINEER (NSPDP)	NRO
PFEFFERKORN, CANDACE	GENERAL ENGINEER NSPDP	NRR
PHILLIPS, MELANIE	ADMINISTRATIVE ASSISTANT	R-III
SIWY, ANDREW	PROJECT ENGINEER RES INSPECTION PROGRAM	R-I
STRAUS, DANIEL	LEGAL INTERN	OGC
THOMPSON, SHANNON	REACTOR SYSTEMS ENGINEER	RES
WHEELER, TYRUS	MULTIMEDIA SPECIALIST	ADM
Retirements		
NONE		
Departures		
BRAMNIK, ANDREW	HEALTH PHYSICIST (INSPECTOR)	R-III
KOCH, JULIE RAYNEL	PROGRAM ASSISTANT	ADM
MCCARTHY, JAMES	IT SPECIALIST (INFOSEC)	CSO
ROVIRA, GABRIEL	IT SPECIALIST PROJECT MANAGER	IS
THOMPSON, PAUL	STUDENT IT ASSISTANT	IS
THURMAN, CARTER	LAW CLERK	ASLBP

**Office of Information Services (OIS)
Items of Interest
Week Ending September 19, 2014**

Freedom of Information Act (FOIA) and Privacy Act (PA) Requests and Appeals Received
During the Period of September 12 – September 18, 2014:

All documents related to the Office of Investigations Case Number OI-4-2012-038	FOIA/PA-2014-0482
Documents pertaining to license number 24-32392-01	FOIA/PA-2014-0483
Access to and copies of email correspondences between NRC and Pacific Gas and Electric (PG&E), sent and received between July 1, 2014, and September 12, 2014	FOIA/PA-2014-0484
Copies of the investigation files and all other materials related to or associated with the Office of Investigations case number OI 4-2006-014	FOIA/PA-2014-0485
Prairie Island Generating Plant in the Security – Regulatory Effectiveness Review dated 1986	FOIA/PA-2014-0486
All emergency planning records received after October 1, 2004, from licensee for the Point Beach nuclear plant	FOIA/PA-2014-0487
Communications with PG&E regarding the release of the Final Decision on Dr. Michael Peck's Dissenting Professional Opinion and PG&E's Diablo Canyon Seismic Safety Report, September 10, 2014	FOIA/PA-2014-0488
Copy of Senior Reactor Operator License for named individual	FOIA/PA-2014-0489
All records pertaining to named individual contained in the NRC's Privacy Act System of Records NRC-23	FOIA/PA-2014-0490

Office Nuclear Reactor Regulation (NRR)
Items of Interest
Week Ending September 19, 2014

Audit of South Texas Project

On September 16 and 17, 2014, the staff conducted an audit of background information and underlying assumptions of request for additional information (RAI) responses from South Texas Project. These RAIs are relative to their pilot risk-informed license amendment addressing GSI-191. The audit was conducted at the University of New Mexico at Albuquerque and included representatives from the licensee and their contractors. The audit improved understanding between the NRC and the licensee and helped clarify areas that appear to have been adequately addressed by the licensee and some that need additional attention. Further interactions are anticipated following development of additional RAIs but have not yet been scheduled.

SEPTEMBER 19, 2014

ENCLOSURE D

**Office of the Secretary (SECY)
Items of Interest
Week Ending September 19, 2014**

Document Released to Public	Date	Subject
Decision Documents		
1. Staff Requirements Memorandum SECY-14-0081	9/17/2014	Economic Simplified Boiling-Water Reactor Design Certification
2. Commission Voting Record SECY-14-0081	9/17/2014	(Same)
3. SECY-14-0088	9/19/2014	Proposed Options to Address Lessons-Learned Review of the U.S. Nuclear Regulatory Commission's (NRC) Force-on-Force Inspection Program in Response to Staff Requirements Memorandum-COMGEA/COMWCO-14-0001
4. Staff Requirements Memorandum COMSECY-14-0030	9/19/2014	Proposed Suspension of the Reactor Oversight Process Self-Assessment for Calendar Year 2014
5. Staff Requirements Memorandum SECY-14-0038	9/19/2014	Performance Based Framework for Nuclear Power Plant Emergency Preparedness Oversight
6. Commission Voting Record SECY-14-0038	9/19/2014	Performance Based Framework for Nuclear Power Plant Emergency Preparedness Oversight
Information Papers		
1. SECY-14-0095	9/18/2014	Status of the Office of New Reactors Readiness to Review Small Modular Reactor Applications
Memoranda		
1. M140910	09/16/2014	Staff Requirements Memorandum: Briefing on Strategic Programmatic Overview of the New Reactor Business Line
2. M140915	09/19/2014	Staff Requirements Memorandum: NRC All Employees Meeting

Federal Register Notices Issues

1. Atomic Safety and Licensing Board Notice of Hearing and Initial Scheduling Order James Chaisson (IA-14-025-EA)
2. Final Rule on Continued Storage of Spent Nuclear Fuel 10 CFR Part 51.

SEPTEMBER 19, 2014

ENCLOSURE E