Department of Energy
Washington, DC 20585

December 29, 2005

MEMORANDUM FOR DISTRIBUTION

FROM: John D. Evans
Facility Representative Program Manager
Office of the Departmental Representative to the
Defense Nuclear Facilities Safety Board (DR-1)

SUBJECT: Facility Representative Program Performance Indicators Quarterly Report, July – September 2005

Attached is the Facility Representative (FR) Program Performance Indicators Quarterly Report covering the period from July to September 2005. Data for these indicators are gathered by Field elements quarterly per DOE-STD-1063-2000, *Facility Representatives*, and reported to Headquarters program offices for evaluation and feedback to improve the FR Program.

As of September 30, 2005, 84% of all FRs were fully qualified, down from 87% the previous quarter, but exceeding the DOE goal of 80%. Several sites shifted fully-qualified FRs to new facilities, thus requiring new qualifications. Although the overall percentage of fully qualified FRs decreased, the number of sites that meet the 80% goal for FR qualifications increased to 21 from 18 the previous quarter.

Overall FR staffing is at 81% of the levels needed, the same as last quarter. Several sites brought on new FR personnel to offset attrition during the quarter. In addition, the following site offices have hiring actions planned or in progress to fill identified needs: Nevada Site Office, Los Alamos Site Office, Sandia Site Office, Pantex Site Office, and Idaho Operations Office.

Current FR information and past quarterly performance indicator reports are accessible at the FR Web Site. Should you have any questions or comments on this report, please contact me at 202-586-3887.

Attachment

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ENVIRONMENTAL MANAGEMENT SITES

Facility Representative Program Performance Indicators (3QCY2005)

Field or Ops Office	Staffing Analysis	FTEs	Actual Staffing	% Staffing	Attrition	% Core Qualified	% Fully Qualified	% Field Time *	% Oversight Time **
CBFO	1	1	1	100	0	100	100	60	65
ID (ICP)	12.46	12	8	64	1	100	100	46	82
OH/FCP	4	4	4	100	0	100	100	45	70
OH/MCP	3	2	2	67	0	100	100	45	60
OH/WVDP	2	2	2	100	0	100	100	40	74
OR (EM)	26	14	14	54	0	100	100	44	61
ORP	14	14	14	100	0	86	86	47	68
PPPO	4	4	4	100	0	100	100	34	61
RFPO	0	0	0	0	5	100	100	65	75
RL	18	18	18	100	0	89	89	47	75
SR	30	30	28	93	2	100	100	55	79
EM Totals	**114.46**	**101**	**95**	**83**	**8**	**96**	**96**	**48**	**72**
DOE GOALS	**-**	**-**	**-**	**100**	**-**	**-**	**>80**	**>40**	**>60**

* % Field Time is defined as the number of hours spent in the plant/field divided by the total available work hours in the quarter. The total available work hours are the actual number of hours a Facility Representative works in a calendar quarter, including overtime hours. It does not include leave time (sick, annual, or other) or holidays

** % Oversight Time includes % Field Time

EM Facility Representative (FR) Highlights:

- At Idaho, FRs at RWMC provided additional oversight and review of the Box Opening Gantry Robot fire corrective action closeout and restart activities. This involved participation on a DOE For-Cause Review Team, several backshift surveillances, and shadowing of initial box cutting operations following restart.

- At Idaho, an FR for the Facilities and Materials Disposition Project at INTEC identified deviations in contractor work control, personal protective equipment, rad control practices, not reporting abnormal events promptly and failure to use the Unreviewed Safety Question process.

- At Miamisburg, an FR performed a surveillance of the contractor lock out/tag out program identifying one instance of regulatory non-compliance.

- At Richland, FRs participated in the ORR for the processing of K-Basin North Loadout Pit sludge at T-Plant, in the EH working group meeting for the DOE safety oversight manual, and in an assessment of DOE-ID FR program.

- At River Protection, an FR prepared and led an assessment of the contractor's electrical safety program. The FR identified four electrical safety issues that required prompt corrective action. Also, an FR responded to an event where several workers received skin contamination. One worker had high contamination levels (40 Rad/hr) on protective clothing. The FR monitored response activities, personnel decontamination efforts, and bio assays. The FR ensured appropriate event recovery actions were completed and provided information to DOE management.

- At Rocky Flats, the remaining designated FRs transferred to other sites or positions. Statistics in the table reflect FRs prior to their transfers.

- At Savannah River, FRs in H-Area elevated issues after a series of nuclear criticality safety step violations which led to a contractor stand-down. They then conducted additional oversight activities involving safety documentation reviews and for system restarts from the stand down. Also, Closure Project FRs oversaw the hazard removal operations and the start-up of demolition of the F-Area Naval Fuels Facility.

- At West Valley, monthly meetings began with contractor senior management and the FRs to enhance communications. Also, FRs provided oversight of the TRIEX transportation exercise conducted on 7/19/05 and a quarterly power outage to ensure process safety requirements for standby systems were met 9/10/05.

NATIONAL NUCLEAR SECURITY ADMINISTRATION SITES

Facility Representative Program Performance Indicators (3QCY2005)

Site Office	Staffing Analysis	FTEs	Actual Staffing	% Staffing	Attrition	% Core Qualified	% Fully Qualified	% Field Time *	% Oversight Time **
LASO	19	15	12	63	0	75	42	32	56
LSO	11	10	10	91	0	60	60	38	61
NSO	10	10	7	70	2	57	14	44	60
PXSO	10	8	8	80	0	88	75	36	74
SRSO	4	4	4	100	0	75	75	44	73
SSO	13	8	8	62	0	100	100	43	67
YSO	12	10	10	83	0	80	60	46	75
NNSA Totals	**79**	**65**	**59**	**75**	**2**	**76**	**59**	**40**	**66**
DOE GOALS	**-**	**-**	**-**	**100**	**-**	**-**	**>80**	**>40**	**>60**

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** % Oversight Time includes % Field Time

NNSA Facility Representative (FR) Highlights:

- At Livermore, an FR participated as a DOE team member on the Type B Accident Investigation Board that investigated the acid vapor inhalation incident at Los Alamos National Laboratory. Also, an FR participated as a NNSA team member in the readiness assessment for resuming limited operations at Building 332 (Plutonium Facility). Observations made by the FR in the areas of work control process and procedures improved the overall readiness of the Plutonium Facility to resume limited operations.

- At Los Alamos, an FR assigned to TA-55 provided oversight in developing the Room 201B recovery/decontamination plan and in preparing the room for near term packaging and temporary storage activities. Also, an FR served as a member of the Accident Investigation Board for the Am-241 type B accident investigation.

- At Nevada, several FRs were switched to new facilities, resulting in a low percentage of fully qualified FRs.

- At Pantex, an FR participated on the NNSA Pantex Tooling Program Readiness Assessment. Also, an FR led and participated in Documented Safety Analysis Implementation Readiness Assessments for Transportation Controls on the Pantex Site.

- At Sandia, three FRs completed full qualifications. Also, two FRs participated in the Sandia Pulse Reactor Facility Restart ORR. Particular emphasis was placed on the core assembly & pulse/steady state performance demonstrations. Also, a FR participated in an accelerator readiness review at the future RITS-6 accelerator.

- At Savannah River, FRs performed oversight of Tritium Extraction Facility Startup Testing activities.

- At Y-12, an FR is an Advisory Member to the Los Alamos National Laboratory Source Evaluation Board and as a member conducted a review on documents relating to the selection criteria. Also, an FR raised a site-wide ladder safety issue which included the inadequacy of the site instruction.

OFFICE OF SCIENCE SITES

Facility Representative Program Performance Indicators (3QCY2005)

Area/Site Office	Staffing Analysis	FTEs	Actual Staffing	% Staffing	Attrition	% Core Qualified	% Fully Qualified	% Field Time *	% Oversight Time **
AMES	1	1	1	100	0	100	100	30	85
ASO	5	5	5	100	0	100	100	23	77
BHSO	6	6	6	100	0	100	100	42	85
FSO	2	2	2	100	0	100	100	38	62
OR (SC)	2	2	1	50	0	100	100	50	60
PNSO	2	2	2	100	0	100	100	44	78
PSO	0.5	0.5	0.5	100	0	100	100	44	69
SC Totals	**18.5**	**18.5**	**17.5**	**95**	**0**	**100**	**100**	**36**	**77**
DOE GOALS	**-**	**-**	**-**	**100**	**-**	**-**	**>80**	**>40**	**>60**

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** % Oversight Time includes % Field Time

SC Facility Representative (FR) Highlights:

- At Brookhaven, FRs participated in a Focused Management System Assessment of ISM. Also, BHSO FRs extensively participated in the contractor exemption request for DOE O 440.1A, Worker Protection Management for DOE Federal and Contractor Employees, which would allow (pending approval) exceeding the American Conference of Industrial Hygienists (ACGIH) Threshold Limit Value (TLV) for static magnetic fields for certain MRI maintenance operations. Also, a BHSO FR was appointed for a 7-week detail as Acting DOE Deputy Site Manager for the Stanford Linear Accelerator Center (SLAC). A main focus of the detail concerned improving ISM.

- At Fermi, FR efforts continue to focus on the Laboratory's program to implement NFPA 70E, "Standard for Electrical Safety Requirements for Employee Workplace." As a result of an external review with FR involvement, FSO continues to assist the Lab with improvements in their implementation of NFPA 70E. Also, FRs participated in the development and implementation of improved ES&H controls for the Experimental Users of the Lab's facilities. The current policies, procedures, and training for the Laboratory Users were revised to better account for these individuals.

- At Pacific Northwest, an FR monitored the contractor's response to a formal stop-work order taken to ensure adequate hazard analyses and controls were in place for the replacement of the exhaust ducting of a perchloric acid fume hood in Building 320. Also, an FR monitored and questioned the rigor of the contractor's response to a formal stop-work associated with an error in establishing a lockout/tagout boundary in the Radiochemical Processing Laboratory (RPL). The FR's observations resulted in process improvement actions.

NUCLEAR ENERGY, SCIENCE, AND TECHNOLOGY

Facility Representative Program Performance Indicators (3QCY2005)

Field or Ops Office	Staffing Analysis	FTEs	Actual Staffing	% Staffing	Attrition	% Core Qualified	% Fully Qualified	% Field Time *	% Oversight Time **
ID (NE)	11.61	11	8	69	0	100	100	44	76
OR (NE)	5	5	5	100	0	80	80	48	55
NE Totals	**16.61**	**16**	**13**	**78**	**0**	**92**	**92**	**46**	**68**
DOE GOALS	**-**	**-**	**-**	**100**	**-**	**-**	**>80**	**>40**	**>60**

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** % Oversight Time includes % Field Time

NE Facility Representative (FR) Highlights:

- At Idaho, an FR at MFC shadowed a contractor's laser safety evaluation after an unattended class 3b laser was found energized in an INL laboratory. The FR performing the shadow did a thorough review of the laser labs and was very critical in the evaluations. The FR will continue to closely follow the contractor's corrective actions.

- At Idaho, an FR at RTC identified that contractor implementation of SAR/TSR changes were not being completed in a timely manner, and were not being effectively tracked to closure. The FacRep drafted new guidance regarding DOE expectations concerning this issue that was subsequently provided to the contractor by a Contracting Officer Representative as direction. The contractor has taken corrective actions to remedy the situation and to prevent future occurrences.