

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS  
WASHINGTON, D.C. 20555

August 4, 1993

NRC INFORMATION NOTICE 93-60: REPORTING FUEL CYCLE AND MATERIALS  
EVENTS TO THE NRC OPERATIONS CENTER

Addressees

All fuel cycle and materials licensees.

Purpose

The U.S. Nuclear Regulatory Commission is issuing this information notice to alert addressees to recent problems with personnel reporting safety-related events to the NRC Operations Center that are not prepared to provide necessary information. It is expected that recipients will review the information for applicability to their facilities and consider actions, as appropriate, to avoid similar problems. However, suggestions contained in this information notice are not NRC requirements; therefore, no specific action nor written response is required.

Description of Circumstances

Changes to the incident reporting requirements in 10 CFR Parts 30, 40, and 70 (56 FR 40757), and the emphasis on criticality safety controls (NRC Bulletin 91-01) have increased the number of event reports to the NRC Operations Center from fuel cycle and materials licensees. This is in addition to the numerous reports made by reactor licensees pursuant to 10 CFR Part 50. The Headquarters Operations Officers (HOOs) who receive reports at the NRC Operations Center are responsible for documenting each report and determining whether the immediate attention of the NRC technical staff is required. In several cases, callers have not been prepared to answer HOO questions about the facility or the event.

Discussion

HOOs are engineers who have received extensive training in emergency response procedures and reactor operations, but they are not familiar with every facility licensed by NRC. Therefore, licensees should avoid industry jargon and technical terms (beyond generally accepted engineering terms) when reporting events to the NRC Operations Center. Personnel reporting events should be prepared to answer questions about licensee operations, equipment functions, and the safety significance of events to workers and the public. Licensees may wish to verify that personnel responsible for reporting events are properly trained and sufficiently knowledgeable of licensee operations to explain the events completely and correctly.

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Personnel reporting events should be prepared to answer questions similar to the following:

1. What type of facility (or operation) is involved?
2. What chemical process or physical operations are involved?
3. What is the chemical form and physical form of the material involved?
4. At what point in the process did the event occur?
5. What is the safety significance of the event?
6. Have releases occurred and are future releases possible?
7. What safety systems (including safeguards systems) are affected?
8. What corrective actions are being taken?

NRC has developed forms to help HOOs document safety-related event reports. An example of the form for fuel cycle and materials incidents is attached for your information.

This information notice requires no specific action nor written response. If you have any questions about the information in this notice, please contact one of the technical contacts listed below or the appropriate regional office.

  
Robert F. Burnett, Director  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

  
Carl J. Paperiello, Director  
Division of Industrial and  
Medical Nuclear Safety  
Office of Nuclear Material Safety  
and Safeguards

Technical contacts: Kevin M. Ramsey, NMSS  
(301) 504-2534

C. N. (Mike) Smith, NMSS  
(301) 504-3497

Attachments:

1. Fuel Cycle and Materials Event Notification Worksheet
2. List of Recently Issued NMSS Information Notices
3. List of Recently Issued NRC Information Notices

## FUEL CYCLE AND MATERIALS EVENT NOTIFICATION WORKSHEET

REPORT TIME	FACILITY OR ORGANIZATION	LICENSE NO	CALLER'S NAME	CALLBACK NUMBER ( ) -
EVENT TIME	EVENT DATE / - /	LOCATION OF EVENT (INCLUDE COUNTY AND STATE)		PORTION OF PLANT AFFECTED
EVENT CLASSIFICATIONS		EVENT TYPES	INCIDENT REPORTS 30.50, 40.60, 70.50	
	GENERAL EMERGENCY *	FUEL CYCLE	20.2201 LOSS / THEFT	(a) PROT ACTION PREVENTED
	SITE AREA EMERGENCY	MEDICAL/ACADEMIC	20.2202 ACTUAL/THREAT OVEREXP	(b)(1) UNPLANNED CONTAM
	ALERT	TRANSPORTATION	20.2202 ACTUAL/THREAT RELEASE	(b)(2) SAFETY EQUIP FAILURE
	NOTIFICATION OF UNUSUAL EVENT *	WASTE MANAGEMENT	21.21 DEFECT / NONCOMPLIANCE	(b)(3) MED TREATMNT W/CONTAM
	INCIDENT REPORT	INDUSTRIAL/COMMERCIAL	26.73 FITNESS FOR DUTY	(b)(4) FIRE / EXPLOSION
	TRANSPORTATION EVENT	FOREIGN EVENT	35.33 MISADMINISTRATION	70.52 CRITICALITY / SNM LOST
	INFORMATION ONLY	OTHER TYPE EVENT	36.83 IRRADIATOR EVENT	70.52 ACTUAL/ATTEMPTED THEFT
	OTHER		39.77 RUPT WELL LOG SOURCE	CRIT CONTROL 4-HR (BL 91-01)
* - ONLY UNDER OLD 1981 ORDER			39.77 IRRET WELL LOG SOURCE	CRIT CONTROL 24-HR (BL 91-01)
			40.26 TAIL / WASTE DAM FAILURE	OTHER NON-CFR REQUIREMENT

### EVENT DESCRIPTION


NOTIFICATIONS				ANYTHING UNUSUAL OR NOT UNDERSTOOD? <input type="checkbox"/> YES <input type="checkbox"/> NO (EXPLAIN ABOVE)	
NRC REGION?	YES	NO	WILL BE		
STATE?	YES	NO	WILL BE		
LOCAL?	YES	NO	WILL BE		
OTHER GOVT AGENCIES?	YES	NO	WILL BE		
PRESS RELEASE?	YES	NO	WILL BE	DID ALL SYSTEMS FUNCTION AS REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO (EXPLAIN ABOVE)	
				ADDITIONAL INFORMATION ON BACK? <input type="checkbox"/> YES <input type="checkbox"/> NO	



LIST OF RECENTLY ISSUED  
NMSS INFORMATION NOTICES

Information Notice No.	Subject	Date of Issuance	Issued to
93-50	Extended Storage of Sealed Sources	07/08/93	All licensees authorized to possess sealed sources.
93-36	Notifications, Reports, and Records of Misadministrations	05/07/93	All U.S. Nuclear Regulatory Commission medical licensees.
93-31	Training of Nurses Responsible for the Care of Patients with Brachytherapy Implants	04/13/93	All U.S. Nuclear Regulatory Commission medical licensees.
93-30	NRC Requirements for Evaluation of Wipe Test Results; Calibration of Count Rate Survey Instruments	04/12/93	All U.S. Nuclear Regulatory Commission medical licensees.
93-19	Slab Hopper Bulging	03/17/93	All nuclear fuel cycle licensees.
93-18	Portable Moisture-Density Gauge User Responsibilities during Field Operations	03/10/93	All U.S. Nuclear Regulatory Commission licensees that possess moisture-density gauges.
93-14	Clarification of 10 CFR 40.22, Small Quantities of Source Material	02/18/93	All Licensees who possess source material.
93-10	Dose Calibrator Quality Control	02/02/93	All Nuclear Regulatory Commission medical licensees.
93-07	Classification of Transportation Emergencies	02/01/93	All Licensees required to have an emergency plan.
93-05	Locking of Radiography Exposure Devices	01/14/93	All Nuclear Regulatory Commission industrial radiography licensees.

LIST OF RECENTLY ISSUED  
 NRC INFORMATION NOTICES

Information Notice No.	Subject	Date of Issuance	Issued to
93-59	Unexpected Opening of Both Doors in An Airlock	07/26/93	All holders of OLs or CPs for nuclear power reactors.
93-58	Nonconservatism in Low-Temperature Overpressure Protection for Pressurized-Water Reactors	07/26/93	All holders of OLs or CPs for pressurized-water reactors.
93-57	Software Problems Involving Digital Control Console Systems at Non-Power Reactors	07/23/93	All holders of OLs or CPs for test and research reactors and nuclear power reactors.
93-56	Weakness in Emergency Operating Procedures Found as Result of Steam Generator Tube Rupture	07/22/93	All holders of OLs or CPs for pressurized water reactors.
93-55	Potential Problem with Main Steamline Break Analysis for Main Steam Vaults/Tunnels	07/21/93	All holders of OLs or CPs for pressurized water reactors.
93-54	Motor-Operated Valve Actuator Thrust Variations Measured with A Torque Thrust Cell and A Strain Gage	07/20/93	All holders of OLs or CPs for nuclear power reactors.
93-53	Effect of Hurricane Andrew on Turkey Point Nuclear Generating Station and Lessons Learned	07/20/93	All holders of OLs or CPs for nuclear power reactors.
93-52	Draft NUREG-1477, "Voltage-Based Interim Plugging Criteria for Steam Generator Tubes"	07/14/93	All holders of OLs or CPs for pressurized water reactor (PWRs).

OL = Operating License  
 CP = Construction Permit

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NRC has developed forms to help HOOs document safety-related event reports. An example of the form for fuel cycle and materials incidents is attached for your information.

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Office of Nuclear Material Safety  
and Safeguards

Carl J. Paperiello, Director  
Division of Industrial and  
Medical Nuclear Safety  
Office of Nuclear Material Safety  
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Tech Editor\*

EKraus  
6/22/93

\* - See previous concurrence

OFC	IMOB*	IMOB*	IMOB*	AEOD/IRB*	FCSS*	IMNS*
NAME	KRamsey/11	GPangburn	FCombs	KBrockman	RBurnett	CPaperiello
DATE	6/16/93	6/16/93	6/17/93	7/23/93	7/27/93	7/28/93

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Richard E. Cunningham, Director  
Division of Industrial and  
Medical Nuclear Safety  
Office of Nuclear Material Safety  
and Safeguards

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DATE	6/16/93	6/16/93	6/17/93	/ /93	/ /93	/ /93

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

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