Lew, David

W

From:

Lew. David

Sent:

Monday, November 23, 2009 1:06 PM

To:

Sheehan, Neil; Screnci, Diane; Collins, Sam; White, John; Barber, Scott

Cc:

Clifford, James; Roberts, Darrell

Subject:

Fw: TMI INES Rating

Attachments:

TMI High Activity Preliminary ERF.doc

Importance:

High

Mel

From: Brown, Frederick

To: Roberts, Darrell; Lew, David

Cc: Clifford, James; Wilson, Peter; Boger, Bruce; Cheok, Michael; Leach, Melvyn; McDermott, Brian; Morris, Scott; Giitter,

Joseph; Howe, Allen; Nelson, Robert; Thomas, Eric; Sigmon, Rebecca

Sent: Mon Nov 23 12:24:21 2009 Subject: FW: TMI INES Rating

Dave, Darrell:

Let us know whether you think that the INES rating would help or hurt our communication efforts.

thanks,

Fred

NRR

From: Sigmon, Rebecca

Sent: Monday, November 23, 2009 12:01 PM **To:** Couret, Ivonne; Burnell, Scott; Screnci, Diane

Cc: Brown, Frederick; Cheok, Michael; Thorp, John; Thomas, Eric; Bamford, Peter; Jones, Cynthia

Subject: TMI INES Rating

In accordance with MD 5.12 and as noted in IN 2009-27 and RIS 2002-01, the NRC will submit events to the IAEA International Nuclear and Radiological Event Scale (INES) publicly available NEWS website if they are determined to have a rating of Level 2 or higher, or if the rating is specifically requested by the IAEA or another INES member state. The high activity over the weekend reported by TMI-1 in EN 45514 generated sufficient media interest that the IAEA and at least three other countries have requested more information. This event as currently reported is a **Level 0**, that is, "Below Scale."

The IAEA would like to see the INES scale used not just for significant events, but also to demonstrate the low safety significance of other highly publicized events, a category which would include what happened 11/21 at TMI. Given the usual nature of the postings to the website though, it would not necessarily be seen in that light, and posting it to the IAEA website could instead serve to amplify coverage of an event that has already been covered in detail in the media. We would only want to post this event if, in the opinion of OPA, Region I, and NRR management, the posting would serve to emphasize the low safety significance of an event which has received substantial coverage. I have attached a draft copy of the Event Rating Form (ERF) that would be submitted, which primarily contains information from the licensee's Event Notification, for your review, and would appreciate your opinions on the matter.

Thanks,

Rebecca Sigmon Reactor Systems Engineer NRR/DIRS/IOEB
Operating Experience Branch
(301) 415-4018
Rebecca.Sigmon@nrc.gov

Event No.: Sent Date:

THE	INTERN	ATIC)NAL N	П	J C I	Æ	ΑR	?	\mathbf{EV}	ENT SC	ΑL	E (INES))
EVENT	RADIATION RE	LEASE	IN CONTAI								E	VENT DATE	<u> </u>
RATING	RATING	OUT OF	DEVIATION	IN	CIDE	NT	ACC	CID	ENT	F.	ACIL	ITY TYPE	
PROVISIONAL X	DATE	SCALE	. 0	1	2	3	4 5	5	6 7	Power Reactor	X	Research Reactor	
FINAL	11/23/2009		. X							RadWaste Facility		Radiation Source	
COUNTRY			FACILITY NA	ME	E / PLA	CE				Irradiation		Transportation	
United States			Three Mile Isl	and	Unit	1/Mic	ldleto	wn	ı, PA	Fuel Fabrication		Fuel Reprocessing	
										Research Facility		Mining/Milling	
	,									Enrichment Facility		Other	
,		,										YES	NO
Off-	site impact												
	Release Beyond	Authorise	d Limits										X
	Overexposure of	f Members	of Public										X
On-S	Site Impact												
	Contamination S	Spread										X	
	Worker Overexp	oosure											X
	Damage to Radi	ological B	arriers										X
Degr	adation of Defenc	e In-depth		-									X
Perso	on Injured Physica	ılly or Cas	ualty										X
Is Th	ere a Continuing	Problem											X
Press	Release Issued (i	f yes, plea	se attach)							·····			X
Event Descripti During refuelling radiation activity immediately leaver reactor building contamination we radiation activity estimated to be (are believed to be though the exact	g outage activities were measured we the reactor but construction operated as identified out a sout 20 were 0.38 mSv (38 mre from maintenated).	on radiatilding untening indiside of the found to em). No	ion monitors il the source cated a slight e reactor buil have exposur worker apprerelated to cur	inst of the ince ding es g oach	talled he act rease g. Of greate hed on g lines	in the ivity in accapance appropriate in accapance appropriate in the interest	e read coul- tivity exim- n 0.1 eeded repar	cto d b y. ate m! d a rat	or builded be iden Level bly 150 Sv (10 ny exp ion fo	ding. Personnel ntified. Surveys s have returned of workers monit of mrem), with the posure limits. The removal of the	were directo no ored e higher son 'B' S	directed to tly outside of the rmal. No for exposure to hest exposure urces of the active team Generator	e the vity
Rating Justifica (quote relevant u	ser manual para	graphs)									•		
This event has be Radiological Eventher justification workers were we based on the nur warranted. This event.	ent Scale 2008 Up for the rating is all within established of personner.	Jser's Ma that no m shed statu el exposed ubmitted	nual (<u>http://w</u> nember of the ttory limits and is indicated	ww pub d li for t ex	r-pub. olic w cense highe press	iaea. ras ex re-est er lev ed by	pose pose ablis els o mer	MT shea f ea mb	CD/p to any d dose xposu er stat	ublications/Publ excess activity, e constraints. The re, at these level tes of the IAEA	Detai and a nough Is no	Is.asp?pubId=81 all exposures to a increasing the such increase is	20).

This form is provided by the IAEA INES Coordinator: Rejane Spiegelberg Planer,
Incident and Emergency Centre,
Department of Nuclear Safety and Security,
Tel: +43 (1) 2600-26074, Fax: +43 (1) 26007-26074,
email: r.spiegelberg-planer@iaea.org.

EVENT RATING FORM (ERF)

Name		Affiliation				
Dr. Cynthia Jones, Office of Nuclear Security	and Incident Response	U.S. Nuclear Regulatory Commission				
Address: Mail Stop T4-D22A, Washington,	DC 20555					
Phone: 301-415-0298	Fax: 301-415-6382	eMail: cynthia.jones@nrc.gov				

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