

Brand, Javier

From: Jonathan.Newman@exeloncorp.com
Sent: Wednesday, December 02, 2009 8:51 AM
To: Brand, Javier
Subject: FW: Containment Breach Standing Order Rev 2
Attachments: Copy of containment breach brief rev 3.doc

~~EXEMPT #11~~

10

From: Roberts, Todd:(GenCo-Nuc)
Sent: Wednesday, December 02, 2009 1:38 AM
To: Barwis, Moises:(GenCo-Nuc); Beaden, Stewart H.:(GenCo-Nuc); Boddy, Timothy J.:(GenCo-Nuc); Conjar, Edward L.:(GenCo-Nuc); Darkes, Scott C.:(GenCo-Nuc); Davis, Richard (TMI):(GenCo-Nuc); DiVittore, Dean A.:(GenCo-Nuc); Ethridge, David W.:(GenCo-Nuc); Giard, Troy M.:(GenCo-Nuc); Hanlon, Mark S.:(GenCo-Nuc); Hardee, Catherine G.:(GenCo-Nuc); Harris, Willie O.:(GenCo-Nuc); Hinkley, Mark C.:(GenCo-Nuc); Hostetter, Laverne E.:(GenCo-Nuc); Johnson, Pamela A.:(GenCo-Nuc); Kimball, Andrew C.:(GenCo-Nuc); Linsnbach III, Frank W.:(GenCo-Nuc); McCarty, George P.:(GenCo-Nuc); McDonald, Robert E Jr.:(GenCo-Nuc); Merchant, Dale:(GenCo-Nuc); Morley, Melissa:(GenCo-Nuc); Newman, Jonathan R.:(GenCo-Nuc); Page, David A.:(GenCo-Nuc); Viola, Dennis A.:(GenCo-Nuc); Vorisek, Charles F.:(GenCo-Nuc); Zeiter, David E.:(GenCo-Nuc)
Subject: FW: Containment Breach Standing Order Rev 2

From: Goldman, Jeffrey A.:(GenCo-Nuc)
Sent: Wednesday, December 02, 2009 1:16 AM
To: Goldman, Jeffrey A.:(GenCo-Nuc); Sallade, Susan H.:(GenCo-Nuc); Piazza, John J.:(GenCo-Nuc); Wend, John C.:(GenCo-Nuc); Carsky, William:(GenCo-Nuc); Blair, John A.:(GenCo-Nuc); Alvey, Tim D.:(GenCo-Nuc); Weber, Laura K.:(GenCo-Nuc); Ethridge, David W.:(GenCo-Nuc); Baker, Chris (TMI):(GenCo-Nuc); Parfitt, Bradley A.:(GenCo-Nuc); Haaf, Thomas P.:(GenCo-Nuc); Davis, Richard (TMI):(GenCo-Nuc); DiVittore, Dean A.:(GenCo-Nuc); Libra, Rick:(GenCo-Nuc)
Cc: Heishman, James B.:(GenCo-Nuc); Smith Jr, George W.:(GenCo-Nuc); Roberts, Todd:(GenCo-Nuc); Wilkerson, Scott:(GenCo-Nuc); Carreras, Edward M.:(GenCo-Nuc); Haaf, Thomas P.:(GenCo-Nuc)
Subject: RE: Containment Breach Standing Order Rev 2

Rev 3 issued tonight based on experience with outward airflow at the RB construction opening

<<Copy of containment breach brief rev 3.doc>>

From: Goldman, Jeffrey A.:(GenCo-Nuc)
Sent: Friday, November 27, 2009 4:01 AM
To: Goldman, Jeffrey A.:(GenCo-Nuc); Sallade, Susan H.:(GenCo-Nuc); Piazza, John J.:(GenCo-Nuc); Wend, John C.:(GenCo-Nuc); Carsky, William:(GenCo-Nuc); Blair, John A.:(GenCo-Nuc); Alvey, Tim D.:(GenCo-Nuc); Weber, Laura K.:(GenCo-Nuc); Ethridge, David W.:(GenCo-Nuc); Baker, Chris (TMI):(GenCo-Nuc); Parfitt, Bradley A.:(GenCo-Nuc); Haaf, Thomas P.:(GenCo-Nuc); Davis, Richard (TMI):(GenCo-Nuc); DiVittore, Dean A.:(GenCo-Nuc); Libra, Rick:(GenCo-Nuc)
Cc: Coughlin, Kevin R.:(GenCo-Nuc); Heishman, James B.:(GenCo-Nuc); Smith Jr, George W.:(GenCo-Nuc); Roberts, Todd:(GenCo-Nuc); Paules, James R.:(GenCo-Nuc); Wilkerson, Scott:(GenCo-Nuc)
Subject: RE: Containment Breach Standing Order Rev 2

Rev 2 issued tonight based on experience with routine personnel transport under tarp, and to recognize daily I&C flow readings

<< File: containment breach brief rev 2.doc >>

From: Goldman, Jeffrey A.:(GenCo-Nuc)
Sent: Thursday, November 26, 2009 6:57 PM
To: Goldman, Jeffrey A.:(GenCo-Nuc); Sallade, Susan H.:(GenCo-Nuc); Piazza, John J.:(GenCo-Nuc); Wend, John

G/3

C.:(GenCo-Nuc); Carsky, William:(GenCo-Nuc); Blair, John A.:(GenCo-Nuc); Alvey, Tim D.:(GenCo-Nuc); Weber, Laura K.:(GenCo-Nuc); Ethridge, David W.:(GenCo-Nuc); Baker, Chris (TMI)::(GenCo-Nuc); Parfitt, Bradley A.:(GenCo-Nuc); Haaf, Thomas P.:(GenCo-Nuc); Davis, Richard (TMI)::(GenCo-Nuc); DiVittore, Dean A.:(GenCo-Nuc); Libra, Rick:(GenCo-Nuc)

Cc: Coughlin, Kevin R.:(GenCo-Nuc); Heishman, James B.:(GenCo-Nuc); Smith Jr, George W.:(GenCo-Nuc); Roberts, Todd:(GenCo-Nuc); Paules, James R.:(GenCo-Nuc)

Subject: RE: Draft Containment Breach Standing Order

Rev 1 was issued on day shift today

<< File: containment breach brief rev 1.doc >>

From: Goldman, Jeffrey A.:(GenCo-Nuc)

Sent: Thursday, November 26, 2009 4:33 AM

To: Sallade, Susan H.:(GenCo-Nuc); Piazza, John J.:(GenCo-Nuc); Wend, John C.:(GenCo-Nuc); Carsky, William:(GenCo-Nuc); Blair, John A.:(GenCo-Nuc); Alvey, Tim D.:(GenCo-Nuc); Weber, Laura K.:(GenCo-Nuc); Ethridge, David W.:(GenCo-Nuc); Baker, Chris (TMI)::(GenCo-Nuc); Parfitt, Bradley A.:(GenCo-Nuc); Haaf, Thomas P.:(GenCo-Nuc); Davis, Richard (TMI)::(GenCo-Nuc); DiVittore, Dean A.:(GenCo-Nuc); Libra, Rick:(GenCo-Nuc)

Cc: Coughlin, Kevin R.:(GenCo-Nuc); Heishman, James B.:(GenCo-Nuc); Smith Jr, George W.:(GenCo-Nuc); Roberts, Todd:(GenCo-Nuc)

Subject: RE: Draft Containment Breach Standing Order

Attached is final version which incorporates comments received. I will go over this with night shift OCC folks and ensure they turn over to their day shift counterparts. << File: Containment Breach Standing Order (6).doc >>

From: Sallade, Susan H.:(GenCo-Nuc)

Sent: Wednesday, November 25, 2009 6:32 PM

To: Piazza, John J.:(GenCo-Nuc); Wend, John C.:(GenCo-Nuc); Carsky, William:(GenCo-Nuc); Blair, John A.:(GenCo-Nuc); Goldman, Jeffrey A.:(GenCo-Nuc); Alvey, Tim D.:(GenCo-Nuc); Weber, Laura K.:(GenCo-Nuc); Ethridge, David W.:(GenCo-Nuc); Baker, Chris (TMI)::(GenCo-Nuc); Parfitt, Bradley A.:(GenCo-Nuc); Haaf, Thomas P.:(GenCo-Nuc); Davis, Richard (TMI)::(GenCo-Nuc); DiVittore, Dean A.:(GenCo-Nuc); Libra, Rick:(GenCo-Nuc)

Subject: Draft Containment Breach Standing Order

Please provide comment on draft standing order, plan is to issue it tonight-comments should be provided to both Jeff Goldman and myself.

Thank-you,

Sue Sallade

571-4343

<< File: Containment Breach Standing Order.doc >>

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TMI-1 Standing Order
Rev. 3 - Issued 12/2/09@ 01:05

This order applies any time the Containment Liner Plate is breached and is applicable to all station personnel, including but not limited to Operations, Maintenance., SGT, Shaw, Rad Pro and Chemistry

Operations will maintain RB Purge Exhaust flow in order to maximize air inflow thru the RB Openings (both the Equipment Hatch and the RB construction opening)

If at any time airflow is observed by any personnel to be out of the RB openings, notify the Operations Control Room Supervisor (x8071).

The Radiation Protection GRCS will ensure documented observation of air inflow/tarp inward deflection at a minimum of once every 6 hours by observing ribbon strips or tarp deflection at the RB openings (see attached table). In addition, once per day I&C will take airflow measurements at the construction opening and the equipment hatch.

All personnel will obtain permission from the Operations Control Room Supervisor (x8071) prior to changing the configuration of RB openings. Personnel may pass through the tarps without contacting Operations. They shall ensure the tarps are fully closed after each passage.

Prior to granting permission to manipulate RB openings, The Operations Control Room Supervisor will evaluate the following:

- _____ Stable Purge exhaust
- _____ Stable Aux and FHB exhaust flow
- _____ Discuss with the duty RPM or the OCC RPM any radiological evolutions in progress or planned and ensure adequate controls are established to allow opening of containment
- _____ The duty RPM or the OCC RPM will verify stable RB airborne activity.
- _____ Airborne activity monitors near RB openings are operating
- _____ An RB opening closure plan is established that includes at a minimum, the supervisor responsible to close the opening, contact phone # and radio channel, and estimated time to close the opening

A continuous airborne radioactivity monitor capable of alarming shall be operating near the RB openings. This requirement can be waived by duty RPM provided the requirements of RAF 09-011 are met.

The Radiation Protection GRCS will ensure recording of airborne radiation monitor indications near the RB openings at a minimum of once every 6 hours (see attached table)

If airflow exists out of an RB opening or if an airborne Radiation Monitor at an RB opening rises to ≥ 0.3 DAC, then perform the following:

_____ Discontinue work activities with potential to cause airborne contamination in the RB until evaluated by the duty RPM or the OCC RPM to ensure proper engineering controls are in place, and approved by the Shift Outage Manager

_____ Evaluate radiation release impact

_____ Close the opening with outflow **or** if closure is not possible, document the time, airflow measurement/estimate, and duration of outward flow for evaluation of non-routine release

_____ Evaluate EAL's

_____ Generate IR

Six Hour Monitoring of RB Openings

Date/Time	Air Inflow or inward tarp direction @ Equipment Hatch Circle ribbon/tarp direction	Radiation Monitor Indication at Equipment Hatch In DAC Via AMS-3 or equivalent	Air inflow or inward tarp direction @ RB Construction Opening Circle ribbon/tarp direction	Radiation Monitor Indication at RB Construction Opening In DAC via AMS-3 or equivalent	Data Recorded By:
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		
	IN / OUT		IN / OUT		

Immediately notify the control room (x8071) if:

_____ Airflow/tarp direction is out of any opening or

_____ The radiation monitor reading at any opening rises to ≥ 0.3 DAC