

October 8, 2010

CAL No. NRR-10-001

Mr. Jeffery Geuther, Manager
KSU Nuclear Reactor Facility
Department of Mechanical and Nuclear Engineering
112 Ward Hall
Kansas State University
Manhattan, KS 66506-2500

SUBJECT: CONFIRMATORY ACTION LETTER

Dear Mr. Geuther:

On September 24, 2010, the Kansas State University Research Reactor reported an event to the U. S. Nuclear Regulatory Commission (NRC) where circumstances surrounding the removal of an experiment from the reactor pool caused higher than expected dosimeter readings for personnel in the area, and unexpected changes in the restricted area dose rate in excess of 20 rem per hour. Based upon your reporting of the event, the NRC chartered a Special Inspection Team to independently assess your investigation of the causes of the event. Subsequently, on October 1, 2010, you submitted a "10-day" report describing the causes of the event and the corrective actions which you deemed necessary to minimize the possibility of a similar occurrence. Following the review of your report, in a teleconference on October 6, 2010, NRC staff identified needed clarifications to your corrective actions, and on October 7, 2010, you submitted a supplement to your "10 day" report.

Pursuant to your "10-day" report which you later supplemented on October 7, 2010, it is our understanding that the corrective actions detailed in the report will be completed prior to restarting the reactor, except for the actions discussed in item 5, concerning the Reactor Safeguards Committee, which will be completed at your earliest opportunity. Following completion of all the corrective actions, you are required to provide the NRC with written confirmation of completed actions.

As we informed you in a telephone conversation on October 7, 2010, based on your corrective actions, the NRC has no objection to you restarting the Kansas State Reactor. The NRC will verify that you have completed the corrective actions in a subsequent inspection the week of October 11, 2010.

Pursuant to Section 182 of the Atomic Energy Act, 42 U.S.C. 2232, you are required to provide written notification to the NRC immediately if your understanding differs from that set forth above. You are also required to provide written notification to the NRC if you intend to change, deviate, or not complete any of the documented commitments, prior to the change or deviation.

Issuance of this Confirmatory Action Letter does not preclude issuance of an order formalizing the above commitments or requiring other actions on the part of the licensee; nor does it preclude the NRC from taking enforcement action for violations of NRC requirements that may

J. Geuther

-2-

have prompted the issuance of this letter. In addition, failure to take the actions addressed in this Confirmatory Action Letter may result in enforcement action.

In accordance with 10 CFR 2.390 of the NRC's "Public inspections, exemptions, requests for withholding" a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. If you have any questions please contact Johnny Eads at 301-415-1471.

Sincerely,

/RA/

Cynthia D. Pederson, Acting Deputy Director
Reactor Safety Programs
Office of Nuclear Reactor Regulation

Docket No. 50-188
License No. R-88

cc: Please see next page

Kansas State University

Docket No. 50-188

cc:

Office of the Governor
State of Kansas
Topeka, KS 66612

Thomas A. Conley, RRPJ, CHP
Section Chief Radiation and Asbestos Control
KS Dept of Health & Environment
1000 SW Jackson, Suite 320
Topeka, KS 66612-1366

Mayor of Manhattan
P.O. Box 748
Manhattan, KS 66502

Test, Research, and Training
Reactor Newsletter
University of Florida
202 Nuclear Sciences Center
Gainesville, FL 32611

J. Geuther

-2-

have prompted the issuance of this letter. In addition, failure to take the actions addressed in this Confirmatory Action Letter may result in enforcement action.

In accordance with 10 CFR 2.390 of the NRC's "Public inspections, exemptions, requests for withholding" a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. If you have any questions please contact Johnny Eads at 301-415-1471.

Sincerely,

/RA/

Cynthia D. Pederson, Acting Deputy Director
Reactor Safety Programs
Office of Nuclear Reactor Regulation

Docket No. 50-188
License No. R-88

cc: Please see next page

DISTRIBUTION:

PUBLIC	PROB r/f	RZimmerman, OE	ELeeds, NRR
SBurnell, OPA	ECollins, RGN-IV	WBorchardt, EDO	PRLB r/f
RidsNrrDprPrtb	RidsNrrDprPrta	GLappert, NRR	
CPederson, NRR	RidsNrrDprResource	CMontgomery, PM	

ADAMS Accession No. ML102810019, Package No. ML102810078 Template No.: NRR-106

OFFICE	PROB:PM	PRPB:LA	PRLB:PM	PROB:BC	DPR:DD	NRR:ADD
NAME	Plsaac	GLappert (EHylton for)	CMontgomery	JEads	TQuay	CPederson
DATE	10/08 /10	10/08/10	10/08/10	10/08 /10	10/08/10	10/08/10

OFFICIAL RECORD COPY