



August 8, 2010

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001  
Re: NRC Inspection Report 030-34989/10-001 and Notice of Violation  
**Reply to a Notice of Violation**

Dear Ms. Campbell:

This response is in reference to License Number 40-27625-01 and specifically the Notice of Violation dated July 16, 2010, Docket 030-34989. The violation noted involved the lack of an acceptable radiation survey meter. Specifically, the safety meter owned and possessed by Goldsmith Heck Engineers, Inc. did not respond in the presence of gamma radiation. We at Goldsmith Heck Engineers, Inc. did not realize the meter owned and located at our office did not meet the NRC requirements. Specifically the survey meter had not been properly calibrated and the battery was dead.

Once notified, we completed the following corrective action:

1. First we replaced the battery. The safety meter did appear to be operating at that time.
2. Second we located a back up meter within the community of Mobridge, SD and secured permission to use from time to time as needed when our owned meter was unavailable. This back up meter is owned by Mobridge Regional Hospital. The contact person for the hospital regarding this matter is Mr. Charles Peacock (605-845-3692). Mobridge Regional Hospital has two such meters at their facility. We secured this "permission to use" on or about **June 6, 2010**. At that time we were back in full compliance regarding this violation.
3. After securing permission to use the Mobridge Regional Hospital meter, we sent our meter to Qal-Tek Associates, Idaho Falls, Idaho for calibration. A copy of the Certificate of Calibration is enclosed for your review. The calibration was completed on July 13, 2010. The survey meter was returned to our office shortly after this date.
4. We have ordered an annual calibration of the safety meter along with the annual calibration of our Nuclear Density Gauge (all provided by Qal-Tek Associates).
5. We have added a review and check list item regarding the survey meter device for our annual in house review of the Radiation Safety program. A permanent record of the calibration schedule and results shall be kept on file.
6. A complete review of the matter was made with the company staff involved in the operation of the Nuclear Density Gauge and the associated safety program. In the

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case of Goldsmith Heck Engineers this staff includes Mr. Todd Goldsmith and Mr. Lane Goldsmith.

I believe this correspondence meets the requirements regarding the "Reply to a Notice of Violation". If additional response is required or you have further questions or concerns regarding this matter please contact me at your earliest convenience.

Sincerely,

Goldsmith Heck Engineers, Inc.

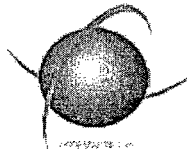
A handwritten signature in black ink that reads "Todd Goldsmith". The signature is written in a cursive style with a horizontal line extending to the right across the end of the name.

Todd Goldsmith, PE

Cc w/enclosure:  
Regional Administrator, Region IV



CALIBRATION  
2521.01



**Qal-Tek  
Associates**

3998 Commerce Circle  
Idaho Falls, Idaho 83401  
Ph: 888 523-5557  
www.qaltek.com

## CERTIFICATE OF CALIBRATION DOSE RATE

### CUSTOMER INFORMATION

Customer:	Goldsmith and Heck Engineers	Address:	111 Second Street East	Mobridge	SD 57601
Contact:	Lane Goldsmith	PO #:		Phone #:	605-845-3125
Comments:		Date:	7/13/2010	FAX #:	605-845-3155

### INSTRUMENT IDENTIFICATION

MFG'R:	TROXALERT	MOD #:	TroxAAlert	S/N:	2794	CAL DATE:	7/13/2010	Next Cal Due:	7/13/2011
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Reference #: S10-1339	Procedure #: CP-PRO-171
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### ENVIRONMENTAL CONDITIONS

Temp.:	21 C	Press.:	25.10 inHg	% Humidity:	28	Laboratory Elevation:	4,750 Feet
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### MEASUREMENT & TEST EQUIPMENT

Shepherd Mod. 81-10 sn 9004	Cal Due:	11/05/10	Ludlum 500 Pulser sn 121041	Cal Due:	10/09/11
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### CALIBRATION & TEST MEASUREMENTS

Source ID #	Isotope	Scale/Range	Expected Reading		As-Found Reading		As-Left Reading		Tolerance +/- %	Pass/Fail	Background Reading	
B7-471	Cs 137	X1	0.5	mR	0.51	mR	0.51	mR	10%	P	0.03	mR
01-500	Cs 137	X10	5	mR	5.0	mR	5.0	mR	10%	P	Comments:	
01-500	Cs 137	X100	50	mR	51	mR	51	mR	10%	P		

### CALIBRATION OPERATIONAL CHECKS

Reproducibility:	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	High Voltage:	<input checked="" type="checkbox"/> OK	Geotropism:	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
Zero Check:	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail						

Measurement Uncertainty: Shepherd Mod. 81-10 = 3.7 % of range, Gamma Mini Range = 5.7 % of range

CALIBRATION RESULTS       PASS       FAIL

CALIBRATION TECHNICIAN	<i>Cody Brammer</i>	Cody Brammer	DATE	7/13/2010
OPERATIONS MANAGER	<i>Gary Stoddard</i>	Gary Stoddard	DATE	7/13/2010

This Certificate of Calibration shall not be reproduced except in full, without the written approval of Qal-Tek Associates

Results relate only to item calibrated. Uncertainty of measurement was estimated at approximately 95% confidence level, (k=2).

All reference standards used are traceable to NIST. Qal-Tek Associates maintains a quality system (Quality Assurance Management Plan) that meets or exceeds the requirements set forth in the following documents: ANSI / NGSL Z540-1 1994 and ISO / IEC 17025.