

January 5, 2012

Ms. Anne T. Boland, Director
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352



Re: Response to Confirmatory Order IA-09-044
Quarterly Radiation Safety Activities -Report No. 9
Fourth Quarter - 2011

Dear Ms. Boland:

As per a Confirmatory Order by the Nuclear Regulatory Commission (NRC), which was a result of an agreement reached during an Alternative Dispute Resolution mediation conducted at your facility August 25, 2009, I am submitting the ninth report of our documentation of radiation safety activities (RSA) performed by Earth Exploration, Inc. (EEI), during the course of the fourth quarter of 2011, as required by the confirmatory order referenced above. Activity this past quarter included:

Dosimetry

Submittal to Landauer of dosimetry for our gauge operators by both office locations was made just past the end of the third quarter in October, 2011, for the wear period from July 1 to September 30, 2011. Upon receipt of these dosimetry reports from Landauer, we noted no unusual results of radiation exposure to our employees. Copies of the Landauer dosimetry test results are included with this report.

New dosimetry was provided to the gauge operators for the fourth quarter of 2011. Results of the fourth quarter dosimetry testing will be discussed and provided in our first quarter report for 2012.

Leak Testing of Portable Gauges

We have prepared (i.e., purchased leak test kits) for performing annual and bi-annual (Troxler Model 3411 gauges) leak testing for our gauges in January, 2012. Copies of the leak test certificates will be included with our first quarter report of 2011.

Portable Gauge Physical Inventory

We also are beginning to make preparations for performing our physical inventories of our portable moisture-density gauges this month. This inventory process is provided on a bi-annual basis and copies of the physical inventory reports will be submitted in correspondence to you when we submit our quarterly report discussing first quarter activities of 2012.

Security and Surveillance of Portable Gauges

We believe it is always important to discuss security of the portable gauges, as this action is part of our business operation practically every day, especially during the warm weather months. We wish to note that we believe we have been diligent in practicing constant surveillance and security of our gauges during the fourth quarter of this past year. As noted in previous reports to you, security during transportation has been improved by EEI purchasing several steel "job boxes" which are bolted to the beds of our pickup trucks. Two protected locks secure the lid of the "job box". The portable gauges and their Type 'A' transport box fit inside of this security measure. In the past year we have purchased three more of these type "job boxes" in order to improve our security. In addition, in the last year we also purchased a full-size pickup truck for our construction services department with the specific intent of being able to install one of these security boxes in the full size truck. Subsequently, we further believe we are executing measures that we committed to the NRC in earlier correspondence via our quarterly reports.

Surveillance and security of our gauges begins in the secured storage rooms at our two offices. The gauges are still being secured with chains and cables and are locked to a steel bar grouted to the floor slab when they are kept in the locked storage room. Close monitoring of the removal of the gauges from the storage room for work in the field is maintained and documented with our Nuclear Gauge Use Logs. Copies of the logs for gauges used during the fourth quarter of 2011 are included with this report.

Nuclear Regulatory Commission (NRC) Inspection – December, 2011

On December 13 and 15, 2011, Mr. Geoff Warren representing the NRC performed inspections of our Niles, Michigan and our Indianapolis, Indiana offices, respectively. During these inspections, Mr. Warren reviewed our radiation safety program and associated activities and found that EEI was in conformance with the requirements and conditions of our materials license. Items selected to be reviewed by Mr. Warren included those determined as non-compliant during our 2008 inspection, which were immediately corrected in 2008, and have continued to be improved upon for the last three years. A copy of this inspection report is attached with this correspondence. As stated to Mr. Warren during his inspection, we believe we have been diligent in practicing constant attention to our improved radiation safety program and have committed ourselves to creating and maintaining a positive radiation safety culture at EEI.

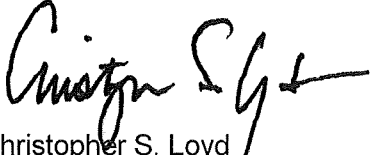
Radiation Safety Activities for 2012

We anticipate first quarter activities for 2012 will be busy as we will be performing leak tests, physical inventories, and the distribution of personnel dosimetry during January of 2012. In addition, we will be performing our in-house audits of both offices during the months of January and February. In addition, we will be making preparations to submit our application for renewal of our license as our current license expires June, 2012. Discussion of these radiation safety activities will be included with our 2012 first quarter report to your firm, approximately at the end of March or early April, 2012.

We trust this information provides adequate documentation of our previous quarter radiation safety activities. Should you have any questions, please contact me at your convenience.

Sincerely,

EARTH EXPLORATION, INC.



Christopher S. Loyd
Radiation Safety Officer

Attachments: Quarterly Radiation Safety Activity Checklist – Report No. 9
 Quarterly Radiation Safety Activity Guideline
 Dosimetry Reports for Indianapolis and South Bend Offices – 3rd Qtr. 2011
 Copy of NRC Inspection Report Dated December 20, 2011
 Copies of Nuclear Gauge Use Logs – 4th Qtr. 2011

**QUARTERLY RADIATION SAFETY ACTIVITIES
REPORT NO. 9 – FOURTH QUARTER - 2011
DATE: 1-4-2012**

Quarterly Radiation Safety Activities
Report No.: 9 (4th Qtr. 2011)
Date: 1-4-2012



Activity	Yes	No	Footnote
RSO Responsibilities			
All terms and conditions of the materials license are being adhered to.	x		
All gauges have been leak tested in accordance with the required time frames and documentation of such testing is made, recorded and filed in an orderly manner (bi-quarterly or annually).	x		
All gauge operators have been provided with, and have worn their personnel monitoring equipment (dosimeters) while operating or servicing the portable gauges and the dosimeters have been submitted to Landauer® on a quarterly basis for required testing.	x		
Records of the gauge operators radiation exposure based on the test results provided by Landauer® have been posted and any exposure perceived as being in excess of typical exposure has been discussed and documented with the gauge operators .	x		1
All gauges are properly secured and protected at all times, when not in use by the individual gauge operators.	x		
The RSO has reviewed the gauge operator's usage of equipment and has assured that any unsafe practices are stopped immediately and has developed, implemented or documented corrective actions when violations of the program have been identified.	x		
Gauge Operator Responsibilities			
The portable gauges have been inspected and adequately logged in and out of the designated storage area of our facilities each day they are used.	x		
The transportation documents are in order and the equipment is secured in the transporting vehicle as required by our radiation safety program and DOT requirements.	x		
The gauges have been maintained in their control at all times.	x		



Activity	Yes	No	Footnote
Respective personnel monitoring devices have been worn at all times.	x		
The following have been in the possession of the gauge operators at all times when they are using the gauges in the field:			
Copy of the License	x		
Authorization card from RSO	x		
Copy of the Radiation Safety Plan	x		
Copy of the equipment operations manual	x		
Copy of current Leak Test Certificate	x		
Copy of Emergency Procedures	x		
Footnote No. 1 - Exposure level for Techs for Third Quarter, 2011 typical.			

**OUTLINE OF QUARTERLY
RADIATION SAFETY ACTIVITIES
FOURTH QUARTER – 2011**

Earth Exploration, Inc.
Quarterly Radiation Safety Activities
For 2011 and 2012

A. The following shall serve as a guideline and checklist for radiation safety activities to be performed by the Radiation Safety Officer (RSO) and individual gauge operators on a quarterly basis throughout the time period noted above:

1. The RSO shall assure that all terms and conditions of the materials license are being adhered to.
2. The RSO shall verify that the gauges have been leak tested in accordance with the required time frames and that documentation of such testing is made and recorded and filed in an orderly manner (bi-quarterly or annually).
3. The RSO shall assure that gauge operators are provided with and wear their personnel monitoring equipment (dosimeters) while operating or servicing the portable gauges and that the dosimeters are submitted to Landauer® on a quarterly basis for required testing.
4. The RSO shall post records of the gauge operators radiation exposure based on the test results provided by Landauer®, discuss and document with the gauge operators any exposure perceived as being in excess of typical exposure.
5. The RSO shall assure that the gauges are properly secured and protected at all times when not in use by the individual gauge operators.
6. The RSO will review the gauge operator's usage of equipment and assure that any unsafe practices are stopped immediately and develop, implement and document corrective actions when violations of the program are identified.

B. The gauge operators during each quarter shall be responsible for:

1. Ensuring the portable gauges have been inspected and adequately logged in and out of the designated storage area of our facilities each day they are used.
2. Ensuring the transportation documents are in order and that the equipment is secured in the transporting vehicle as required by our radiation safety program and DOT requirements.
3. Maintain control over the gauge at all times.
4. Wear their respective personnel monitoring device.
5. Have the following in their possession during gauge use:
 - a. Copy of the License
 - b. Authorization card from RSO
 - c. Copy of the Radiation Safety Plan
 - d. Copy of the equipment operations manual
 - e. Copy of current Leak Test Certificate
 - f. Copy of Emergency Procedures

**RADIATION DOSIMETRY REPORT
INDIANAPOLIS, INDIANA OFFICE
THIRD QUARTER - 2011**

RD RDU

LANDAUER®

EARTH EXPLORATION INC
CHRISTOPHER LOYD
7770 WEST NEW YORK ST
INDIANAPOLIS IN 46214

Landauer, Inc. 2 Science Road Glenwood, Illinois 60425-1586
Telephone: (708) 755-7000 Facsimile: (708) 755-7016
Customer Service: (800) 323-8830 Customer Service Technical: (800) 438-3241
www.landauerinc.com



RADIATION DOSIMETRY REPORT

ACCOUNT NO.	SERIES CODE	ANALYTICAL WORK ORDER	REPORT DATE	DOSIMETER RECEIVED	REPORT TIME IN WORK DAYS	PAGE NO.
179781	IND	1129410052	10/27/11	10/21/11	4	1 OF 1

PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MM/YY)
	ID NUMBER	BIRTH DATE	SEX				DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE		
FOR MONITORING PERIOD:							07/01/11 - 09/30/11			2011							
00IND	CONTROL			Pa	CNTRL		M	M	M							4	09/03
00005	LOYD C S			Pa	WHBODY		M	M	M	M	M	1	82	82	160	3	04/93
		23/1952	M														
00009	SCHUSTER G M			Pa	WHBODY	P	7	8	11	14	17	23	567	587	620	3	06/93
		31/1968	M														
00013	EGOLD KIRK			Pa	WHBODY		M	M	M	M	M	M	25	28	31	3	05/94
			M														
00032	TROUTMAN DAN			Pa	WHBODY	P	4	4	5	10	11	15	230	244	267	3	05/00
		0/1969	M														
00040	TINCHER T M			Pa	WHBODY	P	7	7	9	13	13	14	339	345	346	3	05/01
		4/1969	M														
00054	LOYD ROSS			Pa	WHBODY	P	M	M	1	9	9	10	105	107	113	3	09/02
		1984	M														
00094	ROOSA SCOTT			Pa	WHBODY	P	M	M	1	M	M	4	1	1	6	3	07/07
		7/1981	M														
00099	SAWYER TOM			Pa	WHBODY	P	12	12	12	39	40	41	149	156	162	3	07/07
		5/1986	M														
00103	SOIL LAB			Pa	AREA	P	20	22	25	61	64	68	231	237	233	3	01/09
00107	SAWYER GISS			Pa	WHBODY	P	M	M	3	M	M	3	M	M	3	2	04/11
		6/1984	M														
00108	ZAK KYLE			Pa	WHBODY	P	5	5	4	5	5	4	5	5	4	2	04/11
		2/1990	M														

M: MINIMAL REPORTING SERVICE OF 1 MREM

QUALITY CONTROL. RELEASE: NMH

1 - PR 9874 - RPT1318- N1

- 29452

Reviewed by [Signature] 11-1-11



NVLAP LAB CODE 100518-001

**RADIATION DOSIMETRY REPORT
NILES, MICHIGAN OFFICE
THIRD QUARTER - 2011**

PO RDO

EARTH EXPLORATION INC
KENNETH P MILLER
2204 YANKEE STREET
NILES MI 49120

LANDAUER®

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www.landauerinc.com



RADIATION DOSIMETRY REPORT

ACCOUNT NO.	SERIES CODE	ANALYTICAL WORK ORDER	REPORT DATE	DOSIMETER RECEIVED	REPORT TIME IN WORK DAYS	PAGE NO.
179781	SB	1126350052	09/23/11	09/20/11	3	1 OF 1

PARTICIPANT NUMBER	NAME			DOSIMETER	USE	RADIATION QUALITY	DOSE EQUIVALENT (MREM) FOR PERIODS SHOWN BELOW			YEAR TO DATE DOSE EQUIVALENT (MREM)			LIFETIME DOSE EQUIVALENT (MREM)			RECORDS FOR YEAR	INCEPTION DATE (MM/YY)
	ID NUMBER	BIRTH DATE	SEX				DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE	DEEP DDE	EYE LDE	SHALLOW SDE		
FOR MONITORING PERIOD:							07/01/11 - 09/30/11			2011							
000SB	CONTROL			Pa	CNTRL		M	M	M							3	09/03
FOR MONITORING PERIOD:							07/01/11 - 09/30/11			2011							
00012	MCALISTER	JIM	M	Pa	WHBODY	*P	14	14	15	14	14	15	938	938	952	3	10/83
00105	CYLINDER	LOG-IN	M	Pa	AREA	*P	18	18	19	60	59	63	534	546	554	3	01/10
00106	MILLER	KENNETH	M	Pa	WHBODY	*P	14	15	19	33	34	38	33	34	38	2	04/11
FOR MONITORING PERIOD:							07/01/11 - 09/30/11			2011							
000SB	CONTROL			Pa	CNTRL		M	M	M							4	09/03
00109	BELDEN	JACK	M	Pa	WHBODY		M	M	M	10	10	9	10	10	9	2	07/11
FOR MONITORING PERIOD:							07/01/11 - 09/30/11			2011							
000SB	CONTROL			Pa	CNTRL		M	M	M							5	09/03
00092	MILLER	MARK	M	Pa	WHBODY		M	M	M	11	12	19	208	211	228	3	04/07

M: MINIMAL REPORTING SERVICE OF 1 MREM
* - NO CONTROL SUBTRACTED

QUALITY CONTROL RELEASE: SEB

1 - PR 9850 - RPT1318- N1

- 26352

Reviewed by [Signature] 9-28-11

|||||



NVLAP LAB CODE 100518-01

**COPY OF NRC REPORT OF INSPECTION
DECEMBER 20, 2011**

NRC FORM 591M PART 1
(10-2011)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Earth Exploration, Inc.
7770 W. New York Street
Indianapolis, Indiana 46214-2988

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

REPORT NUMBER(S) 11-001

3. DOCKET NUMBER(S)

030-32764

4. LICENSE NUMBER(S)

13-26408-01

5. DATE(S) OF INSPECTION

December 13 and 15, 2011

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

Non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Geoffrey M. Warren	<i>Geoffrey M. Warren</i>	12/20/11
BRANCH CHIEF	Tamara E. Bloomer	<i>Robert G. Hutton, Jr. for</i>	12/20/11

**INDIANAPOLIS OFFICE
NUCLEAR GAUGE USAGE LOGS
FOURTH QUARTER - 2011**

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

**GAUGE NO. 3
(SN: 21832)**

This is to certify that the portable nuclear moisture density gauge described on this document is properly classified, described, packaged, marked, labeled, has been inspected, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DATE	PROJECT LOCATION	OPERATOR	OUT	IN
9-22-09	REPAIRED TRANSPORT CASE - IN SERVICE			✓
2-18-10	SENT TO INSTRON IN GRAND RAPIDS MI		✓	
	FOR CALIBRATION			
3-16-10	RECEIVED FROM INSTRON CALIB.			✓
4-22-2010	WTP-FRANKFOLT	RS	✓	✓
4-23-2010	WTP-FRANKFOLT	RS	✓	✓
4-27-2010	WTP-FRANKFOLT	RS	✓	✓
4-28-2010	WTP-FRANKFOLT	RS	✓	✓
4-29-2010	TYPICAL S. BEND #70	RS	✓	✓
5-20-2010	WTP-FRANKFOLT	RS	✓	✓
4-26-11	SHIP TO INSTRON, GRAND RAPIDS MI - CALIBRATION			
5-12-11	RECEIVED FROM INSTRON CALIBRATION			✓
7-13-11	CARGO	UK	✓	✓
7-14-11	"	"	✓	✓
7-27-11	WALKER FARMS	MT	✓	✓
7-28-11	WALKER FARMS	MT	✓	✓
7-29-11	WALKER FARMS	MT	✓	✓
8-1-11	WALKER FARMS	MT	✓	✓
8-2-11	WALKER FARMS	MT	✓	✓
8-3-11	SPEDWAY DIV. B	MT	✓	✓
8-4-11	WALKER FARMS	MT	✓	✓

14-5-11
FRANKFOLT

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

**GAUGE NO. 3
(SN: 21832)**

This is to certify that the portable nuclear moisture density gauge described on this document is properly classified, described, packaged, marked, labeled, has been inspected, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DATE	PROJECT LOCATION	OPERATOR	OUT	IN
8-9-11	CARGO	LK	✓	✓
8-15-11	WALKER TOWNS	MT	✓	✓
8-11-11	CARGO	LK	✓	✓
8-12-11	"	"	✓	✓
8-15-11	"	"	✓	✓
8-16-11	MORGANTOWN	"	✓	✓
8-18-11	WALKER TOWNS	"	✓	✓
8-19-11	CO. RD. 200	"	✓	✓
8-22-11	" "	"	✓	✓
9-7-11	CARGO	TS	✓	✓
	OVERNIGHT CHARGE			
9-10-11	Walker TOWNS	DT	✓	✓
9-12-11	WALKER TOWNS MORGANTOWN	MT	✓	✓
9-13-11	WALKER TOWNS	MT	✓	✓
9-14-11	CARMEL TWP	MT	✓	✓
9-16-11	CARMEL WTP	MT	✓	✓
9-10-4-11	SPEEDWAY/CARMEL	MT	✓	✓
10-5-11	WALKER/CARMEL	MT	✓	✓
10-10-11	TIPTON	MT	✓	✓
10-17-11	TIPTON	MT	✓	✓
10-18-11	TIPTON	MT	✓	✓

**NUCLEAR GAUGE DATE OF SHIPMENT,
INSPECTION AND USE LOG**

**GAUGE NO. 4
(SN: 22603)**

This is to certify that the portable nuclear moisture density gauge described on this document is properly classified, described, packaged, marked, labeled, has been inspected, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DATE	PROJECT LOCATION	OPERATOR	OUT	IN
8-5-11	CARDO	UK	✓	✓
8-8-11	"	"	✓	✓
8-9-11	"	"	✓	✓
8-10-11	"	"	✓	✓
8-11-11	Speedway Dist-B	AWS	✓	✓

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

GAUGE NO. 7
(SN: 27267)

This is to certify that the portable nuclear moisture density gauge described on this document is properly classified, described, packaged, marked, labeled, has been inspected, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DATE	PROJECT LOCATION	OPERATOR	OUT	IN
7-27-11	TRAILWOOD VILLAGE	EMAS	✓	✓
7-28-11	" "	EMAS	✓	✓
7-29-11	" "	EMAS	✓	✓
10-7	VEGETATION	DT	✓	✓
10-24-11	SPEEDWAY	HETS	✓	✓
	OVERNIGHT C/MR/B			
10-25-11	CO. RD. 500 S. / SPEEDWAY	TS	✓	✓
10-26-11	SPEEDWAY	TS	✓	✓
10-27-11	+	TS	✓	✓
10-28-11	+	TS	✓	✓
10-28-11	TRITON SEN	MT	✓	✓
10-31-11	SPEEDWAY	TS	✓	✓
11-1-11	+	TS	✓	✓
11-1-11		TS	✓	✓
11-2-11	SPEEDWAY	TS	✓	✓
11-3-11	+	TS	✓	✓
11-16-11	+	TS	✓	✓
11-17-11	+	TS	✓	✓
11-18-11	CARMBL WTP	TS	✓	✓
11-23-11	SPEEDWAY	TS	✓	✓
12-7-11	"	TS	✓	✓

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

**GAUGE NO. 8
(SN: 19641)**

This is to certify that the portable nuclear moisture density gauge described on this document is properly classified, described, packaged, marked, labeled, has been inspected, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DATE	PROJECT LOCATION	OPERATOR	OUT	IN
6-17-11	CARGO APPROX W1	PL	✓	✓
6-22-11	CARGO APPROX W1	PL	✓	✓
6-22-11	CARGO APPROX W1	PL	✓	✓
6-23-11	" "	LK	✓	✓
6-24-11	" "	LK	✓	✓
6-28-11	CR 300	MT	✓	✓
6-29-11	CARGO / PERIMETER	MT	✓	✓
6-30-11	CARGO	LK	✓	✓
(RESET BATT. LIFE TO 190 - FULL CHARGE)			NOT (6-30-11)	
7-1-11	CARGO APPROX	REG LK	✓	✓
7-5-11	" "	LK	✓	✓
7-6-11	" "	LK	✓	✓
7-7-11	" "	LK	✓	✓
7-8-11	" "	LK	✓	✓
7-11-11	" "	LK	✓	✓
7-27-11	SHIP TO INSTROTEK FOR SERVICE		✓	✓
8-11-11	RECEIVED FROM INSTROTEK - NEW BATTERY			✓
	PERM. CHANGE			
10-25-11	Registration Form	EMS		
10-24	OVERNIGHT CHANGE			

1 HR CHG @ CPESC

PERMIE CHANGE

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

**GAUGE NO. 9
(SN: 18314)**

This is to certify that the portable nuclear moisture density gauge described on this document is properly classified, described, packaged, marked, labeled, has been inspected, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DATE	PROJECT LOCATION	OPERATOR	OUT	IN
11-2-10	REAGAN CROSSING	LK	✓	✓
11-5-10	" "	LK	✓	✓
11-6-10	" "	LK	✓	✓
11-8-10	" "	LK	✓	✓
11-9-10	ADDED DESICCANT P. BAG			
11-11-10	REAGAN	LK	✓	✓
11-29-10	"	LK	✓	✓
12-4-11	BELMONT NORTH	LK	✓	✓
1-4-11	OVERNIGHT CHANGE (B.O.V.)			
1-17-11	AIT	GMS	✓	✓
7-13-11	Morgan Co., MD	GMS	✓	✓
7-14-11	" " "	GMS	✓	✓
7-15-11	CARGO	LK	✓	✓
7-15-11 *	NEED CHK'D FROZE UP			
7-16-11	FULL CHANGE 7-16-11	DT		
7-19-11	AIT	DT	✓	✓
7-20-11	Greencastle	DT	✓	✓
7-26-11	WORKER FIRMS	DT	✓	✓
7-27-11	SHIP TO INSTOTEK FOR	CKIB/SERVICE	✓	✓
8-11-11	RECEIVED FROM INSTOTEK - Full charge			✓
8-16-11	STON & WATSON	GMS	✓	✓

8-17-11
8-18-11
8-19-11

Alexandria, PA
Wilmington, DE
Alexandria, VA

GMS
GMS
GMS

✓
✓
✓

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

**GAUGE NO. 9
(SN: 18314)**

This is to certify that the portable nuclear moisture density gauge described on this document is properly classified, described, packaged, marked, labeled, has been inspected, and is in proper condition for transportation according to the applicable regulations of the Department of Transportation.

DATE	PROJECT LOCATION	OPERATOR	OUT	IN
08-22-11	Anderson - Sec 5	GMMS	✓	✓
08-23-11	Wickham - Sec 5 Anderson - Sec 5	GMMS	✓	✓
08-24-11	Anderson - Sec 5	GMMS	✓	✓
8-25-11	CARGO	LK	✓	✓
8-29-11	Anderson - Sec 5	GMMS	✓	✓
8-31-11	SPEEDWAY	TS	✓	✓
9-1-11	Anderson - Sec 5	GMMS	✓	✓
9-2-11	I	GMMS	✓	✓
09-06-11	I	GMMS	✓	✓
09-07-11	Speedway EN	GMMS	✓	✓
9-8-11	Anderson	GMMS	✓	✓
9-9-11	Speedway EN	GMMS	✓	✓
9-12-11	I	GMMS	✓	✓
9-15-11	I	GMMS	✓	✓
9-22-11	CARGO	LK	✓	✓
9-13-11	"	LK	✓	✓
9-24-11	"	LK	✓	✓
9-28-11	GMMS	MT	✓	✓
9-29-11	SPEEDWAY	MT	✓	✓
9-30-11	SPEEDWAY	MT	✓	✓
10-03-11	Winton Wonders	GMMS	✓	✓

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

**GAUGE NO. 9
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DATE	PROJECT LOCATION	OPERATOR	OUT	IN
10-04-11	Marshall Co. Berda 2505	GM/S	✓	✓
10-05-11	Winton Meadows	GM/S	✓	✓
10-06-11	" "	GM/S	✓	✓
10-07-11	" "	GM/S	✓	✓
10-10-11	" "	GM/S	✓	✓
10-11-11	" "	GM/S	✓	✓
10-12-11	" "	GM/S	✓	✓
10-17-11	ISL & L Eagle Valley	GM/S	✓	✓
10-17-11	WINTON MEADOWS	GM/S	✓	✓
10-21-11	SPEEDWAY WWTP	TS	✓	✓
10-24-11	CARGO	LK	✓	✓
10-25-11	"	LK	✓	✓
10-31-11	"	LK	✓	✓
11-1-11	"	LK	✓	✓
11-7-11	"	LK	✓	✓
11-8-11	"	LK	✓	✓
11-9-11	PREKICA	MTT	✓	✓

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

**GAUGE NO. 11
(SN: 39113)**

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DATE	PROJECT LOCATION	OPERATOR	OUT	IN
7-15-11	Boone Co / CARMEL	TS	✓	✓
7-18-11	SPRINGMOUNT	TS	✓	✓
7-20-11	CARMEL	TS	✓	✓
7-21-11	AIT / CARMEL	TS	✓	✓
7-22-11	CARMEL	TS	✓	✓
7-26-11	CARMEL	TS	✓	✓
7-28-11	"	TS	✓	✓
7-29-11	CORNERVILLE	TS	✓	✓
7-29-11	BOONE CO. 3005	TS	✓	✓
8-1-11	CARMEL	TS	✓	✓
8-2-11	AIT	TS	✓	✓
8-3-11	CARMEL	TS	✓	✓
8-4-11	CRABO	TS	✓	✓
8-5-11	" / CARMEL	TS	✓	✓
8-8-11	CARMEL	TS	✓	✓
8-9-11	"	TS	✓	✓
8-10-11	"	TS	✓	✓
8-11-11	" / BOONE CO.	TS	✓	✓
8-12-11	BOONE CO	TS	✓	✓
8-15-11	CARMEL	TS	✓	✓
8-16-11	BOONE CO.	TS	✓	✓

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

GAUGE NO. 11
(SN: 39113)

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DATE	PROJECT LOCATION	OPERATOR	OUT	IN
8-17-11	WHITESTOWN / CAMEL / BROWN	TS	✓	✓
8-18-11	CAMEL	TS	✓	✓
8-19-11	CAMEL	DT	✓	✓
9-2-11	BOONIS CO.	DT	✓	✓
9-6-11	Brown Co 3005	DT	✓	✓
9-7-11	ANDOVER	LF	✓	✓
9-22-11	WALKER FARMS	DT	✓	✓
9-23-11	WALKER FARMS	DT	✓	✓
10-3-11	PARK 100	DT	✓	✓
10-4-11	WINTER, PARK 100	DT	✓	✓
10-5-11	PARK 100	DT	✓	✓
10-5-11	FULL CHARGE	DT	✓	✓
10-6-11	FOUNTAIN FOUNDRY	DT	✓	✓
10-7-11	CS&I / VICKI FINE	RL	✓	✓
10-8-11	FOUNTAIN CO	DT	✓	✓
10-10-11		GS	✓	✓
10-11-11	PARK 100	MT	✓	✓
10-17-11	PARK 100	MT	✓	✓
10-21-11	CARLO	LV	✓	✓
10-24	PARK 100	DT	✓	✓
10-25	PARK 100	DT	✓	✓

11-1-11 WALKER FARMS MT ✓ ✓

11-2-11 ✓ ✓

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

**GAUGE NO. 12
(SN: 39114)**

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DATE	PROJECT LOCATION	OPERATOR	OUT	IN
06-16-11	CARGO II	GMS	✓	✓
06-17-11	MT	GMS	✓	✓
6-21-11	AST	LK	✓	✓
6-22-11	CARGO WAGON IV	MT	✓	✓
6-23-11	BRIDGE WAGON/CARGO IV	MT	✓	✓
6-24-11	SHIMBRIDGE IN	MT	✓	✓
6-28-11	Cherokee/1/2/3/4/5/6/7/8/9	DT	✓	✓
6-29-11	APRON	LK	✓	✓
6-30-11	KYB	MT	✓	✓
7-5-11	CR 3000	MT	✓	✓
7-7-11	NEW FERTILIZER TANKS	MT	✓	✓
7-11-11	MT	DT	✓	✓
	LOCK FROZE			
7-19-11	NEW FERTILIZER TANKS	MT	✓	✓
7-20-11	CR 3000	MT	✓	✓
7-21-11	AIT	DT	✓	✓
7-26-11	CARGO II	GMS	✓	✓
7-26-11	WALKER TANKS	MT	✓	✓
7-28	CARGO WAGON IV	LK	✓	✓
8-1	"	MT	✓	✓
8-8-11	Walker Tanks	DT	✓	✓
8-10-11	Stone Chase	GMS	✓	✓
8-11-11	Alimony	DT	✓	✓

NUCLEAR GAUGE DATE OF SHIPMENT, INSPECTION AND USE LOG

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DATE	PROJECT LOCATION	OPERATOR	OUT	IN
8-17-11	Walker Farms	DT	✓	✓
8-15-11	"	DT	✓	✓
8-17-11	NUDARY DRAINAGE	DT	✓	✓
8-18-11	AWPACT	CL	✓	✓
8-22-11	WALKER FARMS	MT	✓	✓
8-23-11	WALKER FARMS	MT	✓	✓
8-29-11	WALKER FARMS	MT	✓	✓
8-29-11	FULL CHARGE	MT		
8-30-11	WALKER FARMS	MT	✓	✓
8-31-11	CARMEL MILK FERMS	MT	✓	✓
9-2-11	WALKER FARMS	MT	✓	✓
9-6-11	WALKER FARMS	MT	✓	✓
9-7-11	WALKER FARMS	MT	✓	✓
9-8-11	WACKER FARMS	MT	✓	✓
9-9-11	CARMEL ATP	MT	✓	✓
9-14-11	Walker Farms	DT	✓	✓
9-16-11	"	DT	✓	✓
9-23-11	CARMEL ATP	MT	✓	✓
9-21-11	STERLING DRAIN	MT	✓	✓
9-22-11	CARMEL/STERLING	MT	✓	✓
9-23-11	STERLING DRAIN	MT	✓	✓

9-24-11

MT

✓

✓

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DATE	PROJECT LOCATION	OPERATOR	OUT	IN
9-26-11	Strom	MT	✓	✓
9-27-11	Strom	MT	✓	✓
9-28-11	Green TV	MT	✓	✓
9-29-30	"	LK	✓	✓
9-30-11	"	TS	✓	✓
10-1-11	"	TS	✓	✓
10-2-11	"	TS	✓	✓
10-3-11	"	LK	✓	✓
10-4-11	"	LK	✓	✓
10-5-11	"	LK	✓	✓
10-6-11	"	LK	✓	✓
10-7-11	"	LK	✓	✓
10-10-11	"	LK	✓	✓
10-11-11	"	LK	✓	✓
10-12-11	"	LK	✓	✓
10-17-11	"	LK	✓	✓
10-21-11	PARK 100 FOODS	MT	✓	✓
10-22-11	PARK 100 FOODS	MT	✓	✓
10-24-11	Park 100	MT	✓	✓
10-25-11	BP & L Maple Valley	GMS	✓	✓
10-30-11	" " "	GMS	✓	✓

11-2-11 WILSON MEMPHIS GMS ✓ ✓

