

**MATERIALS
TESTING &
INSPECTION**

PAGE #1 OF 1
REVISION DATE 6/20/2010
\\MTSERVER2\RADATION SAFETY
PROGRAM\AMENDMENT REQUEST 6-21-
10\NRC FAX COVERSHEET 06-21-10.DOC

☐ Environmental Services ☐ Geotechnical Engineering ☐ Construction Materials Testing ☐ Special Inspections

Fax

To: NRC – Colleen Murnahan From: George DuPont, RSO
Fax: 1-817-860-8188 Pages: Cover + 3
Phone: Date: June 21, 2010
RE: License Amendment Request CC:

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Ms. Murnahan,

Please find attached a letter requesting an amendment to our license #11-27504-01 to add "INSTROTEK" portable nuclear density gauges to parts 6 through 9 of the license. Please call or e-mail if you have any questions.

Reviewed by: George DuPont
Corporate Radiation Safety Officer

The following information has been specifically prepared by Materials Testing & Inspection for the intended user as addressed on this facsimile sheet and attached documents. If you have received this information in error and are not the intended recipient, please destroy all the documents and notify Materials Testing & Inspection, via phone numbers indicated on this facsimile, immediately.



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Program\Amendment Request 6-21-
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☐ Environmental Services ☐ Geotechnical Engineering ☐ Construction Materials Testing ☐ Special Inspections

Nuclear Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-9064

Attention: Colleen Murnahan

June 21, 2010

Re: License #11-27504-01
Expiration Date: May 31, 2015
Docket #030-33699
Conditions 6 (Byproduct, source, and/or special nuclear material), 7 (Chemical and/or physical form), 8 (Maximum amount that licensee may possess at any one time under this license), 9 (Authorized Use).

This letter is to request an amendment to the Materials Testing & Inspection Inc. license to reflect the addition of an INSTROTEK model 3500 Xplorer portable nuclear density gauge (s.n. 570) to our inventory.

We do not anticipate any increase in the total activity of either sealed source above that approved in the last amendment request (Condition 8).

We are enclosing the Sealed Radioactive Source Leak Test Report performed shortly after transfer of ownership of the above referenced gauge, and the most recent Materials Testing & Inspection gauge inventory.

If you have any questions regarding this request for amendment, please call me at 1-208-870-9993 or e-mail me at dupontg@mti-id.com.

Respectfully submitted
Materials Testing & Inspection, Inc.

Reviewed by: George DuPont
Corporate Radiation Safety Officer


www.qaltek.com

Qal-Tek Associates

7801 N Lamar, Ste E204
Austin, Texas 78752
Ph: (512) 407-9252

3998 Commerce Circle
Idaho Falls, Idaho 83401
Ph: (208) 523-5557
Fax: (208) 524-8470

712 S Hacienda Dr, Ste 6
Tempe, AZ 85218
Ph: (480) 304-5199

SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Company: Materials Testing & Inspection, Inc.(MTI) - Idaho Falls

Act#: 10300

Ref #: S1679-09

Street: 1230 N Skyline Dr Ste #C

City/ST/Zip: Idaho Falls

ID

83402

Phone: 208-529-8242

Fax:

LT Frequency: 6 Months

TEST INSTRUMENT

Mfg'r:	Ludlum	Model:	3030 5	Serial #:	219695	Cal. Date:	1/2/1900
MDA:	<0.005 μ Ci	α efficiency:>	36%	β efficiency:>	38%	Det. Type:	ZnS (Ag)

Qal-Tek Associates certify the above instrument has been calibrated using radioactive standards traceable to NIST, or traceable to calibration facilities for other ISO members, or have been derived from acceptable values of natural/physical constraints, or have been derived by ratio type of calibration techniques.
Accuracy of the principal radiation calibration sources used is greater than or equal to the required accuracy of the equipment being calibrated. The Qal-Tek Associates calibration system conforms to ANSI N323-1997. All calibrations are performed in accordance with the Qal-Tek Associates Quality Assurance Management Program (QAMP) by QP-PRO-001, which is available by written request.

LEAK TEST RESULTS

Mfg'r	Model #	Inst. Serial #	Isotope	Activity	net α CPM	net b/g CPM	net α μ Ci	net b/g μ Ci	pass/fail
Instrotek	3500	570	AM241	40mCi	0	7	0.000000	0.000017	P
			Cs137	8 mCi	1	11	0.000003	0.000026	P

Date Sources Leak Tested:
11/13/2009

Next Leak Test Due:
5/15/2010

Qal-Tek Associates certifies that all leak test measurements are performed in accordance with NRC licensee requirements for isotopic detection limits. For this purpose the MDA is below the NRC regulatory limits of <0.005 μ Ci

Don Prescott

Instrument Technician

11/16/2009

Date

MTI Nuclear Moisture-Density Gauges as of 06-15-2010

#	Make	Mod	Serial #	Cs-137	Form	Am-241	Form	Office
1	Troxler	3440	18008	50-7496	0673/S-96 R2	47-13450	0632/S-96 R5	Boise
2	Troxler	3411	11040	40-8540	0673/S-96 R2	47-6441	0632/S-96 R5	Roadway
3	Troxler	3411	5058	CC-2101	0673/S-96 R2	CAA-1144	0632/S-96 R5	Twin Falls
4	Troxler	3440	18880	50-8477	0673/S-96 R2	47-14340	0632/S-96 R5	Boise
5	Troxler	3411	5186	40-2247	0673/S-96 R2	47-1176	0632/S-96 R5	Boise
6	Humboldt	5001	888	1429GH		NJ500865		Boise
7	CPN	MC-3	M36016522		0634/S-96 R3		0627/S-96 R2	Walla Walla
8	Troxler	3411	5055	CC-2085	0673/S-96 R2	CAA-1002	0632/S-96 R5	Boise
9	Troxler	3411	4609	40-1605	0673/S-96 R2	47-633	0632/S-96 R5	Boise
10	Troxler	3440	25754	75-836	0614/S-96 R2	47-22130	0632/S-96 R5	Twin Falls
11	Troxler	3440	20520	75-1881	0614/S-96 R2	47-15998	0632/S-96 R5	Roadway
12	Troxler	3440	20528	75-1888	0614/S-96 R2	47-16006	0632/S-96 R5	Ontario
13	Troxler	3430	29020	75-3333	0614/S-96 R2	47-26047	0632/S-96 R5	Walla Walla
14	Troxler	3430	26084	75-9112	0614/S-96 R2	47-22463	0632/S-96 R5	Twin Falls
15	Troxler	3411	10465	40-7902	0673/S-96 R2	46-1867	0632/S-96 R4	Idaho Falls
16	CPN	MC-3	M360708403		0634/S-96 R3		0627/S-96 R2	Boise
17	Troxler	3440	34596	77-1663	0356/S R9	47-1897	0632/S-96 R5	Idaho Falls
18	CPN	MC-3	M360708402		0634/S-96 R3		0627/S-96 R2	Pocatello
19	Troxler	3411	9857	40-7315	0673/S-96 R2	46-1289	0632/S-96 R4	Idaho Falls
20	Troxler	3411	4198	CC-1178	0673/S-96 R2	CAA-216	0632/S-96 R5	Walla Walla
21	Troxler	3411	8818	40-6113	0673/S-96 R2	47-5258	0632/S-96 R5	Boise
22	Troxler	3430	20782	75-2182	0614/S-96 R2	47-16275	0632/S-96 R5	Boise
23	Troxler	3440	18935	50-8565	0673/S-96 R2	47-14395	0632/S-96 R5	Pocatello
24	Troxler	3430	23693	75-5779	0614/S-96 R2	47-19615	0632/S-96 R5	Walla Walla
25	Troxler	3430	26094	75-9122	0614/S-96 R2	47-22473	0632/S-96 R5	Ontario
26	Troxler	3430	23520	75-5583	0614/S-96 R2	47-19796	0632/S-96 R5	Ontario
27	Troxler	3430	26144	75-9173	0614/S-96 R2	47-22526	0632/S-96 R5	Walla Walla
28	Troxler	3411	7640	CC-4848	0673/S-96 R2	CAA-3933	0632/S-96 R5	Boise
29	CPN	MC-3	M320400837		0634/S-96 R3		0627/S-96 R2	Boise
30	Troxler	3411	17582	50-7072	0673/S-96 R2	47-13011	0632/S-96 R5	Pocatello
31	Troxler	3411	12082	40-9686	0673/S-96 R2	47-7377	0632/S-96 R5	Ontario
32	Troxler	3411	11781	40-9370	0673/S-96 R2	47-6930	0632/S-96 R5	Idaho Falls
33	Troxler	3411	7030	CC-4222	0673/S-96 R2	CAA-3328	0632/S-96 R5	Idaho Falls
34	Troxler	3411	5041	CC-12088	0673/S-96 R2	CAA-846	0632/S-96 R5	Boise
35	Troxler	3411	13593	50-4674	0673/S-96 R2	47-11166	0632/S-96 R5	Roadway
36	Troxler	3411	13808	50-2050	0673/S-96 R2	47-9222	0632/S-96 R5	Boise
37	Troxler	3411	15770	50-2350	0673/S-96 R2	47-8909	0632/S-96 R5	Ontario
38	Troxler	3411	16049	50-5476	0673/S-96 R2	47-11456	0632/S-96 R5	Boise
39	Troxler	3430	27576	50-1375	0673/S-96 R2	47-24110	0632/S-96 R5	Boise
40	Troxler	3430	23414	75-5455	0614/S-96 R2	47-19297	0632/S-96 R5	Idaho Falls
41	Troxler	3430	23142	750-3493	0614/S-96 R2	47-26172	0632/S-96 R5	Idaho Falls
42	Troxler	3430	27237	750-947	0614/S-96 R2	47-23363	0632/S-96 R5	Idaho Falls
43	Troxler	3430	23500	75-5542	0614/S-96 R2	47-19397	0632/S-96 R5	Twin Falls
44	Troxler	3430	23514	75-5577	0614/S-96 R2	47-19783	0632/S-96 R5	Idaho Falls
45	Troxler	3430	26207	75-9620	0614/S-96 R2	47-22614	0632/S-96 R5	Pocatello
46	Troxler	3430	27413	75-01193	0614/S-96 R2	47-23801	0632/S-96 R5	Idaho Falls
47	Troxler	3430	20321	75-1660	0614/S-96 R2	47-15814	0632/S-96 R5	Roadway
48	Troxler	3430	25832	75-3977	0614/S-96 R2	47-22331	0632/S-96 R5	Idaho Falls
49	Troxler	3430	25981	75-8976	0614/S-96 R2	47-22360	0632/S-96 R5	Walla Walla
50	Troxler	3430	28713	750-2977	0614/S-96 R2	47-25820	0632/S-96 R5	Idaho Falls
51	Troxler	3430	28712	75-02976	0614/S-96 R2	47-25819	0632/S-96 R5	Walla Walla
52	Instrotek	3500	570	75-02976	0614/S-96 R2	47-25819	0632/S-96 R5	Walla Walla

7-13-2010
DATE

This is to acknowledge the receipt of your letter/application dated 6-21-2010, and to inform you that the initial processing, which includes an administrative review, has been performed.

☒ There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify other omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

☐ A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 573048.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Cecelia Murnahan
Licensing Assistant

BETWEEN:

Accounts Receivable/Payable
and
Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM LTS

Program Code: 03121
Status Code: Pending Amendment
Fee Category: 3P
Exp. Date:
Fee Comments:
Decom Fin Assur Req: N

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: MATERIALS TESTING & INSPECTION, INC
Received Date: 06/29/2010
Docket Number: 3033699
Mail Control Number: 573048
License Number: 11-27504-01
Action Type: Amendment

2. FEE ATTACHED

Amount: _____

Check No.: _____

3. COMMENTS

Signed: _____

Colleen Munnahan

Date: _____

6-29-2010

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / /)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment: _____

Renewal: _____

License: _____

3. OTHER _____

Signed: _____

Date: _____