
From: Dave Dillman <Dave@horrocks.com>
Sent: Monday, April 6, 2020 10:18 AM
To: Katanic, Janine <Janine.Katanic@nrc.gov>
Cc: Kabe Soran <kabes@horrocks.com>; Davey Jensen <daveyj@horrocks.com>; John Stone <JohnSt@horrocks.com>
Subject: [External_Sender] RE: NRC inspection

Janine,

During the recent audit it came to our attention that there was concern over the existing transportation cases on our Troxler Gauges #14810 and #14811. The gauges were immediately ordered to be left in storage and not transported until new cases could be obtained. New transportation cases have been ordered from Troxler. We have inspected all other gauge cases owned by Horrocks Engineers to ensure that cases are "new" style consistent with Type A Packaging.

In addition all gauge users have been directed that if they see any issues or concerns with the gauges or cases to immediately notify the RSO so that the issues can be addressed. I.E. broken hinges, broken latches, case damage, missing stickers etc. When physical inventories are done, all gauge cases are inspected to ensure that the cases are being maintained and in good working order.

Attached are the purchase orders from Troxler for new cases and current leak tests.

If you need additional information, please feel free to contact me.

David H. Dillman, P.E.

Principal

HORROCKS

ENGINEERS



www.qaltek.com
Qal-Tek Associates

1107 Wonder Drive Ste 104
 Round Rock, TX 78681
 Ph: 512 407-9252
 Fax: 512 407-9831

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

550 E University Dr
 Mesa, AZ 85203
 Ph: 480 304-5199
 Fax: 480 966-9495

SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Ref#: W29943-139634
 Acct#: 105596

Company: Horrocks Engineering - Twin Falls
 Street: 360 2nd Ave
 City/St/Zip: Twin Falls, ID 83301
 Phone: 208-251-4944

Fax:

Serial Number: **14810**

Mfg: Troxler

Model: 3440

Leak Test Date: 09-Dec-2019

Leak Test Due Date: 09-Dec-2020

Test Instrument

Test Instrument	Ludlum : 2360 : 220233
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Test Instrument Info

MDA	less than 0.005
alpha efficiency	33.41
beta efficiency	19.98
Det. Type	phoswich [ZnS (Ag) and plastic scin.]
Last Cal. Date	31-Jan-2019

Test Results

Isotope	Source SN	Activity (mCi)	Assay Date	Net Alpha (CPM)	Net Beta/Gamma (CPM)	Alpha (microcuries)	Beta/Gamma (microcuries)	Pass/Fail
Am-241:BE	[47-10167]	40 mCi	[1987-06-22]	1	12	0.000001	0.000027	Pass
Cs-137	[50-3545]	8 mCi	[1987-07-15]	1	12	0.000001	0.000027	Pass

Comments

Instrument Technician: Jake Ohs

Date of Service: 09-Dec-2019

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 uCi



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 Fax: 480 966-9495

SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Ref#: W29943-139631
 Acct#: 105596

Company: **Horrocks Engineering - Twin Falls**
 Street: **360 2nd Ave**
 City/St/Zip: **Twin Falls, ID 83301**
 Phone: **208-251-4944**

Fax:

Serial Number: **14811**

Mfg: **Troxler**

Model: **3440**

Leak Test Date: **09-Dec-2019**

Leak Test Due Date: **09-Dec-2020**

Test Instrument

Test Instrument	Ludlum : 2360 : 220233
-----------------	------------------------

Test Instrument Info

MDA	less than 0.005
alpha efficiency	33.41
beta efficiency	19.98
Det. Type	phoswich [ZnS (Ag) and plastic scin.]
Last Cal. Date	31-Jan-2019

Test Results

Isotope	Source SN	Activity (mCi)	Assay Date	Net Alpha (CPM)	Net Beta/Gamma (CPM)	Alpha (microcuries)	Beta/Gamma (microcuries)	Pass/Fail
AM-241	[50-3546]	40 mCi	[1987-07-15]	1	9	0.000001	0.000020	Pass
CS-137	[47-10168]	8 mCi	[1987-06-22]	1	9	0.000001	0.000020	Pass

Comments

Instrument Technician: Jake Ohs
 Date of Service: 09-Dec-2019

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 uCi

Thank You! Order Received. Order 5680

Bill To:

Ali Hinshaw
Horrocks Engineers
2162 W Grove Pkwy Ste400
Pleasant Grove, UT 84062
United States
2088952520

Ship To:

Kabe Soran
Horrocks Engineers
360 2ND AVE W
TWIN FALLS, ID 83301
United States
2082514944

Item	Qty	Total
Shipping Case for 3430/3440 103623.3440	1	\$494.82
Label: Yellow II, blank 106444.5000	4	\$7.84
Label: Type "A" DOT 7A with RQ 102109.3000	2	\$5.24
Label: Danger Air Cargo Only 103831	2	\$2.42

Sub Total: \$510.32

Shipping: \$62.23
FedEx:FedEx Ground

Tax: \$0.00

Grand Total: **\$572.55**

Thank You! Order Received. Order 5681

Bill To:

Ali Hinshaw
Horrocks Engineers
2162 W Grove PKWY Ste400
Pleasant Grove , UT 84062
United States
2088952520

Ship To:

Alex Williams
Horrocks Engineers
2260 E Commercial St.
Meridian, ID 83642
United States
2088952520

Item	Qty	Total
Shipping Case for 3430/3440 103623.3440	1	\$494.82
Label: Type "A" DOT 7A with RQ 102109.3000	2	\$5.24
Label: Yellow II, blank 106444.5000	4	\$7.84
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