

May 23, 2011

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

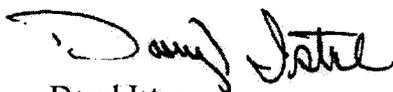
Re: Additional Information Needed to Decommission Site (RAM License No. 12-16559-02)

Mr. Mullauer:

In a letter dated March 24, 2011 Mistras requested that 511 Harriman Court, Noblesville, IN listed in Condition 10A of Radioactive Material License 12-16559-02. As you requested I have attached the decay chart and the leak test results of the last source stored at the site to be decommissioned.

If you require any further information, I can be reached at 713-899-4338.

Thank you,



Daryl Istre
Corporate Radiation Safety Officer
Mistras Group Inc.



QSA Global, Inc.

40 North Avenue
 Burlington, MA 01803
 Telephone: (781) 272-2000
 Toll Free: (800) 815-1383
 Facsimile: (781) 273-2216

Source Certificate

Radionuclide: *Ir192*
 ISO/ANSI Classification: *97C64515*
 IAEA Special Form Reference Number: *USA/0335/S-96*
 Measured Equivalent Activity on *May-10-2010*
86.0 Ci 3.2 TBq

Holder/Capsule #: **62937B**
 Source Model: **A424-9**
 Product Code: **ICUCF080**
 Sales Order: **214756 MISTRAS GROUP, INC**

	Source Physical Size: Actual		Nominal	
	(mm)	(in)	(mm)	(in)
Diameter	2.700	0.106	0.000	0.000
Length	2.700	0.106	0.000	0.000
Diagonal	3.818	0.150	0.000	0.000

Quality Control Tests		May-10-2010
Wipe Test A:	<0.00045	µCi
Vacuum Bubble Test:	Passed	
Tensile Test:	Passed	
Wipe Test B:	<0.00045	µCi

Decay Data:

Technician: *[Signature]*

Activity in Curies						
Date	Date +1	Date +2	Date +3	Date +4	Date +5	Date +6
86.0	85.2	84.4	83.6	82.8	82.1	81.3
80.5	79.8	79.0	78.3	77.6	76.8	76.1
75.4	74.7	74.0	73.3	72.6	71.9	71.3
70.6	69.9	69.3	68.6	68.0	67.4	66.7
66.1	65.5	64.9	64.3	63.7	63.1	62.5
61.9	61.3	60.8	60.2	59.6	59.1	58.5
58.0	57.4	56.9	56.4	55.8	55.3	54.8
54.3	53.8	53.3	52.8	52.3	51.8	51.3
50.8	50.3	49.9	49.4	49.0	48.5	48.0
47.6	47.1	46.7	46.3	45.8	45.4	45.0
44.6	44.1	43.7	43.3	42.9	42.5	42.1
41.7	41.3	41.0	40.6	40.2	39.8	39.4
39.1	38.7	38.3	38.0	37.6	37.3	36.9
36.6	36.2	35.9	35.6	35.2	34.9	34.6
34.3	33.9	33.6	33.3	33.0	32.7	32.4
32.1	31.8	31.5	31.2	30.9	30.6	30.3
30.0	29.8	29.5	29.2	28.9	28.7	28.4
28.1	27.9	27.6	27.3	27.1	26.8	26.6
26.3	26.1	25.8	25.6	25.4	25.1	24.9
24.7	24.4	24.2	24.0	23.8	23.5	23.3
23.1	22.9	22.7	22.4	22.2	22.0	21.8
21.6	21.4	21.2	21.0	20.8	20.6	20.4
20.2	20.1	19.9	19.7	19.5	19.3	19.1
19.0	18.8	18.6	18.4	18.3	18.1	17.9
17.8	17.6	17.4	17.3	17.1	16.9	16.8
16.6	16.5	16.3	16.2	16.0	15.9	15.7
15.6	15.4	15.3	15.1	15.0	14.8	14.7
14.6	14.4	14.3	14.2	14.0	13.9	13.8
13.6	13.5	13.4	13.3	13.1	13.0	12.9
12.8	12.7	12.5	12.4	12.3	12.2	12.1
12.0	11.9	11.7	11.6	11.5	11.4	11.3
11.2	11.1	11.0	10.9	10.8	10.7	10.6
10.5	10.4	10.3	10.2	10.1	10.0	9.9
9.8	9.7	9.6	9.6	9.5	9.4	9.3
9.2	9.1	9.0	8.9	8.9	8.8	8.7
8.6	8.5	8.5	8.4	8.3	8.2	8.1
8.1	8.0	7.9	7.8	7.8	7.7	7.6
7.6	7.5	7.4	7.3	7.3	7.2	7.1
7.1	7.0	6.9	6.9	6.8	6.7	6.7
6.6	6.6	6.5	6.4	6.4	6.3	6.3
6.2	6.1	6.1	6.0	6.0	5.9	5.9
5.8	5.8	5.7	5.6	5.6	5.5	5.5
5.4	5.4	5.3	5.3	5.2	5.2	5.1
5.1	5.0	5.0	4.9	4.9	4.9	4.8
4.8	4.7	4.7	4.6	4.6	4.5	4.5
4.5	4.4	4.4	4.3	4.3	4.3	4.2
4.2	4.1	4.1	4.1	4.0	4.0	3.9
3.9	3.9	3.8	3.8	3.8	3.7	3.7
3.7	3.6	3.6	3.6	3.5	3.5	3.5
3.4	3.4	3.4	3.3	3.3	3.3	3.2
3.2	3.2	3.2	3.1	3.1	3.1	3.0
3.0	3.0	3.0	2.9	2.9	2.9	2.8

Activity in Tera-Becquerels						
Date	Date +1	Date +2	Date +3	Date +4	Date +5	Date +6
3.18	3.15	3.12	3.09	3.06	3.03	3.00
2.97	2.95	2.92	2.89	2.87	2.84	2.81
2.78	2.76	2.73	2.71	2.68	2.66	2.63
2.61	2.58	2.56	2.53	2.51	2.49	2.46
2.44	2.42	2.40	2.37	2.35	2.33	2.31
2.29	2.26	2.24	2.22	2.20	2.18	2.16
2.14	2.12	2.10	2.08	2.06	2.04	2.02
2.00	1.99	1.97	1.95	1.93	1.91	1.89
1.87	1.86	1.84	1.82	1.81	1.79	1.77
1.76	1.74	1.72	1.71	1.69	1.67	1.66
1.65	1.63	1.61	1.60	1.58	1.57	1.55
1.54	1.52	1.51	1.50	1.48	1.47	1.45
1.44	1.43	1.41	1.40	1.39	1.38	1.36
1.35	1.33	1.32	1.31	1.30	1.29	1.28
1.26	1.25	1.24	1.23	1.22	1.20	1.19
1.18	1.17	1.16	1.15	1.14	1.13	1.12
1.11	1.10	1.09	1.08	1.06	1.06	1.05
1.03	1.03	1.02	1.01	1.00	0.99	0.98
0.97	0.96	0.95	0.94	0.93	0.92	0.92
0.91	0.90	0.89	0.88	0.88	0.86	0.86
0.85	0.84	0.83	0.82	0.82	0.81	0.80
0.79	0.79	0.78	0.77	0.76	0.76	0.75
0.74	0.74	0.73	0.72	0.72	0.71	0.70
0.70	0.69	0.68	0.68	0.67	0.66	0.66
0.65	0.65	0.64	0.64	0.63	0.62	0.62
0.61	0.61	0.60	0.59	0.59	0.58	0.58
0.57	0.56	0.56	0.55	0.55	0.54	0.54
0.54	0.53	0.52	0.52	0.51	0.51	0.51
0.50	0.49	0.49	0.49	0.48	0.48	0.47
0.47	0.46	0.46	0.45	0.45	0.45	0.44
0.44	0.44	0.43	0.42	0.42	0.42	0.41
0.41	0.41	0.40	0.40	0.39	0.39	0.39
0.38	0.38	0.38	0.37	0.37	0.37	0.36
0.36	0.35	0.35	0.35	0.35	0.34	0.34
0.34	0.33	0.33	0.32	0.32	0.32	0.32
0.31	0.31	0.31	0.31	0.30	0.30	0.29
0.29	0.29	0.29	0.28	0.28	0.28	0.28
0.26	0.27	0.27	0.27	0.27	0.26	0.26
0.26	0.25	0.25	0.25	0.25	0.24	0.24
0.24	0.24	0.24	0.23	0.23	0.23	0.23
0.22	0.22	0.22	0.22	0.22	0.21	0.21
0.21	0.21	0.21	0.20	0.20	0.20	0.20
0.19	0.19	0.19	0.19	0.19	0.19	0.18
0.18	0.18	0.18	0.18	0.18	0.18	0.17
0.17	0.17	0.17	0.17	0.17	0.16	0.16
0.16	0.16	0.16	0.15	0.15	0.15	0.15
0.15	0.15	0.15	0.15	0.14	0.14	0.14
0.14	0.14	0.14	0.14	0.14	0.13	0.13
0.13	0.13	0.13	0.13	0.12	0.12	0.12
0.12	0.12	0.12	0.12	0.12	0.12	0.11
0.11	0.11	0.11	0.11	0.11	0.11	0.11
0.11	0.11	0.11	0.10	0.10	0.10	0.10

Send all kits and requests to:

SUNTRAC Services, Inc.
1818 East Main Street
League City, TX 77573
(281) 338-2133

ATTN: SIT-KIT

CAUTION: Conduct a survey on the outside of each package placed in the U.S. Mails. Any reading over 0.5 mR/hr at contact with the envelope or package shall not be mailed.

LEAK TEST INVENTORY/REPORT FORM

Company Name: Mistras Group (14270026)

Address: 161 Tower Drive, Suite E City: Burr Ridge State: IL Zip Code: 60527

Isotope: Ir 192 (DU) Activity: 61.9 Ci

Source Serial No: 62937B Leak Test Date: 06/14/10

Device Serial No: D2932

Manufacturer: QSA Global Model No.: 424-9

Smear Taken By: Rich Gerhard

----- DO NOT WRITE BELOW THIS LINE -----

This is to certify that the above described smear/swab has been assayed at our facilities for indication of source leakage.

Sample was also assayed for depleted uranium.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
<.0001	<.0001

µCi (Wet)

Certified By: *Prenda Wasab*

Date: 07/15/10

SUNTRAC Services, Inc. Representative
(Texas Radioactive License No. L03062)

1473410

Send all kits and requests to:

SUNTRAC Services, Inc.
1818 East Main Street
League City, TX 77573
(281) 338-2133

ATTN: SIT-KIT

CAUTION: Conduct a survey on the outside of each package placed in the U.S. Mails. Any reading over 0.5 mR/hr at contact with the envelope or package shall not be mailed.

LEAK TEST INVENTORY/REPORT FORM

Company Name: Mistras Group

Address: 161 Tower Drive, Suite E City: Burr Ridge State: IL Zip Code: 60527

Isotope: Ir 192 (DU) Activity: 11.1 Ci

Source Serial No: 62937B Leak Test Date: 12/14/10

Device Serial No: D-2932

Manufacturer: QSA Global Model No.: A424-9

Smear Taken By: Rich Gerhard

----- DO NOT WRITE BELOW THIS LINE -----

This is to certify that the above described smear/swab has been assayed at our facilities for indication of source leakage.

Sample was also assayed for depleted uranium.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
<.0001	<.0001

µCi (Wet)

Certified By: Rob O'Donel

Date: 12/21/10

Rob O'Donel

Register Number: 1632111