



**ESAB Welding &  
Cutting Products**

March 10, 2016

ATTN: Document Control Desk/Exempt Distribution  
Director, Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**RE: CY15 Exempt Products Distribution Report for Licensee #39-35180-01E**

Dear Mr. Reber:

In accordance with *10 CFR 40.52 Regulation Governing Radioactive Source Material*, enclosed please find a copy of ESAB's exempt products distribution report for the period January 1 through December 31 of 2015. The report includes ESAB manufactured products transferred for use under 10 CFR 40.13(c)(1)(iii). You will see the report encompasses the specific requirements set forth by regulation 10 CFR 40.52 which are:

- A description or identification of the type of each product and the model number(s), if applicable;
- For each type of source material in each type of product and each model number, if applicable, the total quantity of the source material; and
- The number of units of each type of product transferred during the reporting period by model number, if applicable

If you have any questions or concerns regarding the contents of this report, you may contact me at (843) 664-4479 or [sfoxworth@esab.com](mailto:sfoxworth@esab.com)

Sincerely,

Shawn L. Foxworth, M.P.H., CSP, CHMM  
Corporate Manager of Environment, Health, Safety & Risk Management - Americas

(email) Patti Lapierre, ESAB Welding & Cutting  
Peter Elleman, ESAB Welding & Cutting  
(cc) Denton File

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**Equipment**

411 S. Ebenezer Rd.  
P.O. Box 100545  
Florence, SC 29501-0545

Ph. (843) 669-4411  
Fax (843) 679-5815

**Consumables**

801 Wilson Avenue  
Hanover, PA 17331

Ph. (717) 637-8911  
Fax (717) 637-9859



ESAB Welding & Cutting - License #39-35180-01E

Prepared 03/10/16

Source Material = Thorium

Part Number	Material Description	Source Material Quantity (UOM = $\mu$ Ci per pkg)	Transferred Amount in CY15 (UOM = Pkgs)	Total Quantity Transferred in CY15 (UOM = $\mu$ Ci)
0558001180	SPARK GAP ASSY	0.009	8	0.072
0558001297	SPARK GAP AY(.40 GAP) W/C'BORE	0.009	7	0.063
0558002478	STARTUP KIT 200 AMOS PT-600	0.009	3	0.027
0558002499	ELECTRODE 600A PT-600 (5)	0.018	1560	28.080
0558002677	ESP-150 230/460/575V CONSOLE	0.018	55	0.990
0558002713	ESP-150 380/400/415V CE CONSOLE	0.018	16	0.288
0558002803	HI-FREQ ASSY 60HZ ESP-150	0.018	1	0.018
0558002864	SOARE PTS KIT PT-26 150 AMPS	0.018	40	0.720
0558003628	PCC-90D FLOW CONTROL CE	0.018	2	0.036
0558003928	ELECTRODE TUNG PT-36 600A (5)	0.018	18295	329.310
0558005222	PT-36 G1 200A START-UP KIT	0.018	16	0.288
0558005223	PT-36 G1 360-450A START-UP KIT	0.018	30	0.540
0558005224	PT-36 G1 600A START-UP KIT	0.018	2	0.036
0558005840	PCC-14 PLUMBING BOX	0.018	7	0.126
0558007804	PT-36 TESTING CONS KIT OEM	0.018	119	2.142
0558009926	PT-36 TESTING WTR INJ 200A S/U KIT	0.018	1	0.018
0558009928	PT-36 TESTING WTR INJ 360-450A S/U KIT	0.018	5	0.090
0558009929	PT-36 TESTING WTR INJ 600A S/U KIT	0.018	5	0.090
0558009930	PT-36 TESTING WTR INJ 720A S/U KIT	0.018	1	0.018
0558010625	PT-36 TESTING M3-G2 600A START-UP KIT	0.018	12	0.216
18362	ELECTRODE (LONG) PT-121	0.058	327	18.966
2075328	ELECTRODE 1.6MM PT-250 150A	0.045	110	4.950
21301	PT-15XL 15"	0.042	10	0.420
21304	PT-15XL 6"	0.042	27	1.134
21305	PT-15XL 12"	0.042	1	0.042
21306	PT-15XL 17"	0.042	2	0.084
21307	PT-15XL 4.5"	0.042	2	0.084
21780	PT-25 ELECT	0.044	1008	44.352
21947	PT-25 150A SPARE PARTS KIT	0.04	1	0.040
22403	ELECTRODE PT-19 600A TUNG (5)	0.018	775	13.950
36566	ELECTRODE H35 PT-26 (2)	0.022	2239	49.258
36821	SPARE PARTS KIT PT-26	0.022	17	0.374

37246	SPARK GAP ASSY H252/352	0.022	4	0.088
37307	PT-19XLS SPARE PARTS KIT	0.018	1	0.018
37401	ELECTRODE ASSY (HF/SPARK GAP)	0.033	24	0.792
600236	ELECTRODE PT-15XL N2/H35 (5)	0.045	1340	60.300
673578	POINT SPARK GAP	0.011	15	0.165
677905	SPARK GAP AY(.040 GAP)	0.066	62	4.092
80558002499	ELECTRODE 600A PT-600	0.022	950	20.900
80558003928	ELECTRODE TUNG PT-36 600A (5)	0.022	15085	331.870
80558007804	ELECTRODE PT-36 TESTING CONS KIT OEM	0.022	132	2.904
821780	ELECTRODE TUNGSTEN PT-25	0.037	347	12.839
822403	ELECTRODE PT-19 600A TUNG (5)	0.037	975	36.075
8600236	ELECTRODE PT-15XL N2/H35	0.037	1032	38.184
Q18362	ELECTRODE LONG PT-121	0.058	8	0.464
Q2075328	ELECTRODE 150 AMP (5)	0.058	50	2.900
Q21780	ELECTRODE PT-25	0.058	140	8.120
19X2175-1	SPARK GAP ASSEMBLY	0.678	2	1.356
57X8	ELECTRODE	0.198	20	3.960
63X10	ELECTRODE	0.104	20	2.086
63X50-3	ELECTRODE	0.021	417	8.698
71X3-9	ELECTRODE	0.372	4360	1622.644
71X82-9	ELECTRODE	0.476	3915	1865.319
71X82-C	ELECTRODE	0.245	5	1.225
72X260-3	ELECTRODE	1.172	175	205.049
72X333-9	ELECTRODE	2.014	3415	6878.477
72X54-9	ELECTRODE	2.474	3285	8128.044
72X54-C	ELECTRODE	2.474	2530	6259.955
74X13	ELECTRODE	0.217	260	56.357
74X69	ELECTRODE	0.252	150	37.728
74X70-9	ELECTRODE	0.372	9380	3490.917
74X92	ELECTRODE	0.045	485	21.819
74X92-C	ELECTRODE	0.045	155	6.973
74X94	ELECTRODE	0.072	70	5.010
76X108-3	ELECTRODE	0.035	5875	204.231
76X108-C	ELECTRODE	0.035	260	9.038
76X111-3	ELECTRODE	0.035	480	16.686
76X69	ELECTRODE	0.157	540	85.026
76X70	ELECTRODE	0.154	45	6.930
81X2041-4	ELECTRODE, 100A, SS/AL	0.018	225	4.141

81X2061-4	ELECTRODE, 100A, SS/AL	0.018	6075	111.803
81X2071-4	ELECTRODE, 150A, SS/AL	0.018	515	9.478
81X2171-4	ELECTRODE, 70A, SS/AL	0.018	1625	29.906
81X2281-4	ELECTRODE, 100A, SS/AL	0.018	1790	32.943
81X2311-4	ELECTRODE, 200A, SS/AL	0.018	35	0.644
81X2311-4B	ELECTRODE, 200A, SS/AL	0.018	140	2.577
81X2321-4	ELECTRODE, 300A, SS/AL	0.018	85	1.564
81X2441-4	ELECTRODE, 400A	0.035	5	0.174
81X3041-4	ELECTRODE, 100A, SS/AL	0.018	670	12.331
81X3061-4	ELECTRODE, 100A, SS/AL	0.018	7036	129.489
81X3071-4	ELECTRODE, 150A, SS/AL	0.018	1190	21.901
81X3171-4	ELECTRODE, 70A, SS/AL	0.018	3910	71.959
81X3241-4	ELECTRODE, 100A, SS/AL	0.018	115	2.116
81X3281-4	ELECTRODE, 100A, SS/AL	0.018	3165	58.248
81X3311-4	ELECTRODE, 200A, SS/AL	0.018	40	0.736
81X3311-4C	ELECTRODE, 300A, SS/AL	0.018	140	2.577
81X3321-4	ELECTRODE, 300A, SS/AL	0.018	215	3.957
81X3321-4D	ELECTRODE, 300A, SS/AL	0.018	30	0.552
81X3441-4	ELECTRODE, 400A, SS/AL	0.035	100	3.476
83X19-3	ELECTRODE	0.037	185	6.809
88X332	ELECTRODE	0.007	20	0.140
88X335-3	ELECTRODE	0.007	120	0.883
88X364-3	ELECTRODE	0.035	190	6.605
88X368-3	ELECTRODE	0.035	645	22.422
88X422-3	ELECTRODE	0.035	905	31.460
88X497-3	ELECTRODE	0.035	1075	37.370
88X506-3	ELECTRODE	0.007	297	2.186
90X12-3	ELECTRODE	0.035	310	10.776
H5211111131125	PWH-2A (70) T&L 12.5ft (3.8m)	0.252	4	1.006
H5211111141125	PWH-2A (70)T&L 12.5ft (3.8m)QD	0.252	4	1.006
H5211111142250	PWH-2A (70)T&L 25ft (7.6m) QD	0.252	8	2.012
H5211211141125	PWH-2A (90)T&L 12.5ft (3.8m) QD	0.252	3	0.755
H5211311241125	PWM-2A T&L 12.5ft (QD)	0.252	1	0.252
H5211311242250	PWM-2A T&L 25ft (7.6m) QD	0.252	2	0.503
H5211411141125	PWH-2A (180)T&L 12.5ft (3.8m) QD	0.252	2	0.503
H5211411142250	PWH-2A (180)T&L 12.5ft (7.6m)QD	0.252	4	1.006
H5325111100000	PWH-3A (70)Torch Body w/parts	0.074	1	0.074
H5325111131125	PWH-3A (70) T&L 12.5ft (3.8m) QD	0.074	18	1.340

H5325111132250	PWH-3A (70) T&L 25ft (7.6m) QD	0.074	6	0.447
H5325211131125	PWH-3A (90)T&L 12.5ft (3.8m) QD	0.074	2	0.149
H5325211132250	PWH-3A (90) T&L 25ft (7.6m) QD	0.074	9	0.670
H5325311231125	PWM-3A T&L 12.5ft	0.074	4	0.298
H5325311232250	PWH-3A (180)T&L 25ft (QD)	0.074	13	0.968
H5325411131125	PWH-3A (180)T&L 12.5ft(3.8m) QD	0.074	12	0.893
H5325411132250	PWH-3A (180) T&L 25ft (7.6m) QD	0.074	5	0.372
H5432131111125	PWM-4A (70) T&L 12.5ft (3.8m)	0.495	2	0.990
H5432131112250	PWM-4A (70) T&L 25ft (7.6m)	0.495	3	1.485
H5432131131125	PWM-4A (70) T&L 12.5ft (3.8m) QD	0.495	21	10.392
H5432131132250	PWM-4A (70) T&L 25ft (7.6m) QD	0.495	1	0.495
H5432231131125	PWH-4A (90) T&L 12.5ft QD	0.495	1	0.495
H5432331232250	PWM-4A1 T&L 25ft (QD)	0.495	2	0.990
H5432411100000	PWH-4A (70)Torch Body w/parts	0.495	1	0.495
H5432431212250	PWM-4A T&L 25ft (QD)	0.495	2	0.990
H5432431231125	PWH-4A T&L 12.5ft QD	0.495	1	0.495
H5432431232250	PWM-4A T&L 25ft (QD)	0.495	2	0.990
H5432831111125	PWM-4A1 T&L 12.5ft (QD)	0.495	3	1.485
H5432831112250	PWM-4A (180) T&L 25ft	0.495	3	1.485
H5432831131125	PWM-4A1 (180) T&L 12.5ft (QD)	0.495	1	0.495
H5432831132250	PWM-4A1 (180) T&L 25ft (QD)	0.495	2	0.990
H5432931131125	PWH-4A (180)T&L 12.5ft(3.8m) QD	0.495	8	3.959
H5432931132250	PWH-4A (180) T&L 25ft (7.6m) QD	0.495	2	0.990
H5605261131125	PWH-6A (90) T&L 12.5ft	0.495	3	1.485
H5605661100000	PWM-6A Torch Body w/parts	0.495	1	0.495
H5605661231125	PWH-6A T&L 25ft (3.8)	0.495	1	0.495
H5605661231250	PWH-6A T&L 12.5ft (7.6)	0.495	3	1.485
H5611241100000	PCH-6B (90) Torch Head	0.007	1	0.007
H5611443212500	PCM-6B T&L 50ft (15.2m)	0.007	2	0.014
H5615111131250	PCH-6B (70) T&L 25ft (7.6m)	0.007	3	0.021
H5615111132500	PCH-6B (70) T&L 50ft (15.2m)	0.007	3	0.021
H5615211131250	PCH-6B (90) T&L 25ft (7.6m)	0.007	3	0.021
H5615211132500	PCH-6B (90) T&L 50ft (15.2m)	0.007	1	0.007
H5615413211250	PCH-6B T&L 25ft (7.6m)	0.007	3	0.021
H5615413212500	PCM-6B T&L 50ft (15.2m)	0.007	1	0.007
H5615413246750	PCM-6B T&L 75ft (22.9m)	0.007	1	0.007
H5615413246990	PCM-6B T&L 100ft (30.5m)	0.007	2	0.014
H5619121211125	PWM-300 T&L 12.5ft	0.403	23	9.265

H5619121212250	PWM-300 T&L 25ft	0.403	15	6.043
I1903211420	WC-100B Console	0.136	9	1.222
I1903211720	WC-100B Console	0.136	2	0.272
I1903221420	WC-100B Console	0.136	9	1.222
I1903221720	WC-100B Console	0.136	3	0.407
I1903311720	WC-100B Console	0.136	2	0.272
I1903321420	WC-100B Console	0.136	33	4.481
I1903321720	WC-100B Console	0.136	16	2.172
P002703071000	Auto-Cut 200 XT, 380-415V, WMS	0.136	13	1.765
P002703072000	Auto-Cut 200 XT, 380-415V, WMS	0.136	45	6.110
P002703081000	Auto-Cut 200 XT, 400V CE, WMS	0.136	2	0.272
P002703091000	Auto-Cut 200 XT, 480V	0.136	1	0.136
P002703092000	Auto-Cut 200XT, 480V, WMS	0.136	19	2.580
P002705021110	Auto-Cut 300 XT, 380-415V	0.136	8	1.086
P002705031000	Auto-Cut 300 XT, 400V CE	0.136	2	0.272
P002705041110	Auto-Cut 300 XT, 480V	0.136	8	1.086
P002707031000	PAK200i, 400V CE	0.136	4	0.543
P002707041000	PAK200i, 480V	0.136	9	1.222
SY103601210	ULTIMA-150 WELD SYS, (2A, 70,	0.252	2	0.503
SY103601310	ULTIMA-150 WELD SYS, (2A, 70,	0.252	6	1.509
SY103601610	ULTIMA-150 WELD SYS, (2A, 180,	0.252	2	0.503
SY103601710	ULTIMA-150 WELD SYS, (2A, 180,	0.252	4	1.006
SY103601A20	ULTIMA-150 WELD SYS, (3A, 70,	0.074	4	0.296
SY103601B20	ULTIMA-150 WELD SYS, (3A, 70,	0.074	4	0.296
SY103601E20	ULTIMA-150 WELD SYS, (3A, 90,	0.074	2	0.149
SY103601F20	ULTIMA-150 WELD SYS, (3A, 180,	0.074	4	0.298
SY103601G20	ULTIMA-150 WELD SYS, (3A, 180	0.074	6	0.447
SY103601H20	ULTIMA-150 WELD SYS, (3A, 181	0.074	14	1.042
SY103601I30	ULTIMA-150 WELD SYS, (4A, 70	0.990	2	1.980
SY103601J30	ULTIMA-150 WELD SYS, (4A, 70	0.990	2	1.980
SY103601M30	ULTIMA-150 WELD SYS, (4A, 180	0.990	2	1.980
SY103601Q30	ULTIMA-150 WELD SYS, 4A,180OS	0.990	2	1.980
SY107201211	PAK200i,70d,25'(7.6m),380-415	0.136	4	0.544
SY107201221	PAK200i,70d,50'(15.2m),380-415	0.136	8	1.086
SY107201241	PAK200i,90d,50'(15.2m),380-415	0.136	3	0.407
SY107201261	PAK200i,180d,50'(15.2m)380-415	0.136	1	0.136
SY107201411	PAK200i,70d,25'(7.6m)480V	0.136	3	0.407
SY107201421	PAK200i,70d,50'(15.2m)480V	0.136	2	0.272

SY107201431	PAK200i,90d,25'(7.6m)480V	0.136	2	0.272
SY107201441	PAK200i,90d,50'(15.2m)480V	0.136	3	0.407
SY107201461	PAK200i,180deg,50'(15.2m),480V	0.136	2	0.272
Z000335100	Spare Parts Kit	0.996	13	12.948
Z000335200	Spare Parts Kit	0.996	36	35.856
Z000335300	Spare Parts Kit	0.996	14	13.944
Z000350000	Spare Parts Kit	0.996	4	3.984
Z000459100	Spare Parts Kit	0.996	6	5.976