



**ESAB Welding &  
Cutting Products**

February 23, 2018

40-38381

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

RE: **CY17 Exempt Products Distribution Report for Licensee #39-35180-01E**

Dear Mr. Gonzalez:

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 2016. 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 843.245.8551 or [sfoxworth@esab.com](mailto:sfoxworth@esab.com)

Sincerely,

Shawn L. Foxworth, M.P.H., CSP, CHMM  
Global Sr. Manager of Environment, Health, Safety & Risk Management

(email) Patti Lapierre, ESAB Welding & Cutting  
Sam Shukla, ESAB Welding & Cutting  
(cc) Denton File

NM5503

**Equipment**  
2800 Airport Road  
Denton, TX 76207

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 02/20/18

Source Material = Thorium

Part Number	Material Description	Source Material Quantity (UOM = $\mu$ Ci per pkg)	Transferred Amount in CY17 (UOM = Pkgs)	Total Quantity Transferred in CY17 (UOM = $\mu$ Ci)
0558001180	SPARK GAP ASSY	0.009	8	0.072
0558002499	ELECTRODE 600A PT-600 (5)	0.018	1530	27.540
0558002864	SOARE PTS KIT PT-26 150 AMPS	0.018	9	0.162
0558003928	ELECTRODE TUNG PT-36 600A (5)	0.018	16945	305.010
0558005222	PT-36 G1 200A START-UP KIT	0.018	3	0.054
0558005223	PT-36 G1 360-450A START-UP KIT	0.018	6	0.108
0558007804	PT-36 TESTING CONS KIT OEM	0.018	13	0.234
0558009928	PT-36 TESTING WTR INJ 360-450A S/U KIT	0.018	4	0.072
0558010625	PT-36 TESTING M3-G2 600A START-UP KIT	0.018	11	0.198
0559052152	200A COMMISSIONING KIT,SS/AL,	0.018	3	0.054
0559052153	300A COMMISSIONING KIT,SS/AL,	0.018	1	0.018
0559052154	400A COMMISSIONING KIT,SS/AL,	0.018	1	0.018
0559210104	ELECTRODE, 70A, SS/AL	0.042	320	13.440
0559210106	ELECTRODE, 100A, SS/AL	0.042	280	11.760
0559210107	ELECTRODE, 100A, SS/AL	0.042	425	17.850
0559210108	ELECTRODE, 150A, SS/AL	0.042	230	9.660
0559210110	ELECTRODE, 200A, SS/AL	0.042	210	8.820
0559210111	ELECTRODE, 300A, SS/AL	0.042	195	8.190
0559210112	ELECTRODE, 400A, SS/AL	0.042	250	10.500
0559210122	ELECTRODE, 50A, SS/AL	0.042	140	5.880
22403	ELECTRODE PT-19 600A TUNG (5)	0.018	2155	38.790
34559	INSERT.156 TUNGSTEN PICKLED	0.018	1	0.018
36566	ELECTRODE H35 PT-26 (2)	0.022	2464	54.208
36821	SPARE PARTS KIT PT-26	0.022	3	0.066
37246	SPARK GAP ASSY H252/352	0.022	9	0.198
49NW68	ELECTRODE	0.042	411	17.262
49NW69	ELECTRODE	0.042	2	0.084
63X50-3	ELECTRODE	0.021	79	1.659
673578	POINT SPARK GAP	0.011	80	0.880
680036	SPARK GAP AY H250HF	0.022	1	0.022

71X3-9	ELECTRODE	0.372	1770	658.734
71X82-9	ELECTRODE	0.476	2205	1050.582
72X260-3	ELECTRODE	1.172	115	134.747
72X333-9	ELECTRODE	2.014	1940	3907.539
72X54-9	ELECTRODE	2.474	1505	3723.807
72X54-C	ELECTRODE	2.474	2345	5802.211
74X13	ELECTRODE	0.217	195	42.267
74X69	ELECTRODE	0.252	265	66.652
74X70-9	ELECTRODE	0.372	504	187.572
74X70-C	ELECTRODE	0.245	1255	307.475
74X92	ELECTRODE	0.045	540	24.293
74X92-C	ELECTRODE	0.045	75	3.374
74X94	ELECTRODE	0.072	50	3.579
76X108-3	ELECTRODE	0.035	1560	54.230
76X108-C	ELECTRODE	0.035	95	3.302
76X111-3	ELECTRODE	0.035	35	1.217
76X69	ELECTRODE	0.157	333	52.432
76X70	ELECTRODE	0.154	26	4.004
81X3041-4	ELECTRODE, 100A, SS/AL	0.018	204	3.754
81X3061-4	ELECTRODE, 100A, SS/AL	0.018	4110	75.640
81X3071-4	ELECTRODE, 150A, SS/AL	0.018	660	12.147
81X3171-4	ELECTRODE, 70A, SS/AL	0.018	2375	43.709
81X3241-4	ELECTRODE, 100A, SS/AL	0.018	45	0.828
81X3281-4	ELECTRODE, 100A, SS/AL	0.018	1695	31.194
81X3311-4	ELECTRODE, 200A, SS/AL	0.018	40	0.736
81X3311-4C	ELECTRODE, 300A, SS/AL	0.018	135	2.485
81X3321-4	ELECTRODE, 300A, SS/AL	0.018	115	2.116
81X3321-4D	ELECTRODE, 300A, SS/AL	0.018	20	0.368
81X3441-4	ELECTRODE, 400A, SS/AL	0.035	80	2.781
81X3511-4	ELECTRODE, 50A, WMS, XTL	0.018	720	13.251
83X19-3	ELECTRODE	0.037	50	1.840
88X335-3	ELECTRODE	0.007	48	0.353

88X364-3	ELECTRODE	0.035	70	2.433
88X368-3	ELECTRODE	0.035	265	9.212
88X422-3	ELECTRODE	0.035	290	10.081
88X497-3	ELECTRODE	0.035	515	17.903
88X506-3	ELECTRODE	0.007	33	0.243
90X12-3	ELECTRODE	0.035	355	12.341
H5211111141125	PWH-2A (70)T&L 12.5ft (3.8m)QD	0.252	3	0.755
H5211111142250	PWH-2A (70)T&L 25ft (7.6m) QD	0.252	3	0.755
H5211211142250	PWH-2A (90) T&L 25ft (7.6m) QD	0.252	1	0.252
H5211311231125	PWM-2A T&L 12.5ft	0.252	2	0.503
H5211311241125	PWM-2A T&L 12.5ft (QD)	0.252	1	0.252
H5211311242250	PWM-2A T&L 25ft (7.6m) QD	0.252	1	0.252
H5325111111125	PWH-3A (70) T&L 12.5ft (3.8m)	0.252	3	0.755
H5211411141125	PWH-2A (180)T&L 12.5ft (3.8m) QD	0.252	5	1.258
H5211411142250	PWH-2A (180)T&L 12.5ft (7.6m)QD	0.252	1	0.252
H5325111100000	PWH-3A (70)Torch Body w/parts	0.074	4	0.296
H5325211111125	PWH-3A (90) T&L 12.5ft (3.8m)	0.074	1	0.074
H5325111131125	PWH-3A (70) T&L 12.5ft (3.8m) QD	0.074	19	1.414
H5325111132250	PWH-3A (70) T&L 25ft (7.6m) QD	0.074	5	0.372
H5325211131125	PWH-3A (90)T&L 12.5ft (3.8m) QD	0.074	3	0.223
H5325211132250	PWH-3A (90) T&L 25ft (7.6m) QD	0.074	10	0.744
H5432131112250	PWH-4A (70) T&L 25ft (7.6m)	0.074	1	0.074
H5325311231125	PWM-3A T&L 12.5ft	0.074	6	0.447
H5325311232250	PWH-3A (180)T&L 25ft (QD)	0.074	6	0.447
H5325411131125	PWH-3A (180)T&L 12.5ft(3.8m) QD	0.074	7	0.521
H5325411132250	PWH-3A (180) T&L 25ft (7.6m) QD	0.074	10	0.744
H5432131111125	PWM-4A (70) T&L 12.5ft (3.8m)	0.495	1	0.495
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	6	2.969
H5432131132250	PWM-4A (70) T&L 25ft (7.6m) QD	0.495	8	3.959
H5432231131125	PWH-4A (90) T&L 12.5ft QD	0.495	2	0.990
H5432431211125	PWM-4A T&L 12.5ft	0.495	1	0.495

H5432331232250	PWM-4A1 T&L 25ft (QD)	0.495	5	2.474
H5432411100000	PWH-4A (70)Torch Body w/parts	0.495	1	0.495
H5432431212250	PWM-4A T&L 25ft (QD)	0.495	5	2.474
H5432431231125	PWH-4A T&L 12.5ft QD	0.495	1	0.495
H5432331231125	PWM-4A1 T&L 12.5ft (QD)	0.495	3	1.485
H5432431232250	PWM-4A T&L 25ft (QD)	0.495	2	0.990
H5432831111125	PWM-4A1 T&L 12.5ft (QD)	0.495	1	0.495
H5432831112250	PWM-4A (180) T&L 25ft	0.495	2	0.990
H5432231111125	PWH-4A (90) T&L 12.5ft	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	5	2.474
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	2	0.014
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	2	0.014
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	4	1.611
H5619121212250	PWM-300 T&L 25ft	0.403	9	3.626
I1903211420	WC-100B Console	0.136	3	0.407
I1903211720	WC-100B Console	0.136	1	0.136
I1903221420	WC-100B Console	0.136	8	1.086

I1903221720	WC-100B Console	0.136	4	0.543
P002703091000	Auto-Cut 200 XT, 480V	0.136	4	0.543
P002703092000	Auto-Cut 200XT, 480V, WMS	0.136	13	1.765
P002705041110	Auto-Cut 300 XT, 480V	0.136	3	0.407
SY103601210	ULTIMA-150 WELD SYS, (2A, 70,	0.252	1	0.252
SY103601A20	ULTIMA-150 WELD SYS, (3A, 70,	0.074	2	0.148
SY103601B20	ULTIMA-150 WELD SYS, (3A, 70,	0.074	1	0.074
SY103601D20	ULTIMA-150 WELD SYS, (3A, 90,	0.074	4	0.296
SY103601F20	ULTIMA-150 WELD SYS, (3A, 180,	0.074	3	0.223
SY103601G20	ULTIMA-150 WELD SYS, (3A, 180	0.074	3	0.223
SY103601J30	ULTIMA-150 WELD SYS, (4A, 70	0.990	3	2.970
SY103601N30	ULTIMA-150 WELD SYS, (4A, 180	0.990	1	0.990
SY107201211	PAK200i,70d,25'(7.6m),380-415	0.136	2	0.272
SY107201411	PAK200i,70deg,25'(7.6m),480V	0.136	1	0.136
SY107201421	PAK200i,70d,50'(15.2m)480V	0.136	9	1.222
SY107201431	PAK200i,90d,25'(7.6m)480V	0.136	1	0.136
SY107201441	PAK200i,90d,50'(15.2m)480V	0.136	5	0.679
SY107201461	PAK200i,180deg,50'(15.2m),480V	0.136	6	0.815
Z000335100	Spare Parts Kit	0.996	3	2.988
Z000335200	Spare Parts Kit	0.996	20	19.920
Z000335300	Spare Parts Kit	0.996	8	7.968
Z000350000	Spare Parts Kit	0.996	2	1.992

**Shawn L. Foxworth, M.P.H., CSP, CHMM**

Global Sr. Manager  
Environment, Health, Safety & Risk Management



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