



Column Cooler Exchanger Furnace Heater Plate Exchanger Reboiler Vessel Other

Client:, District:, LSD:, Etc.:

| | | | | | |
|--------------------|-----------------|--------------------|---------|-------|--------|
| Description: | | INLET SEPARATOR | | | |
| P.R.N. No.: | A0565666 | Size: | N/S | | |
| Equipment No.: | E51791 | N.B. No.: | N/S | | |
| Serial No.: | 80396401C | SASK#: | S05117 | | |
| HEAD Material: | SA-516-70N | Nominal: | 14.29mm | C.A.: | 3.18mm |
| HEAD Material: | | Nominal: | | | |
| SHELL Material: | SA-516-70N | Nominal: | 15.88mm | C.A.: | 3.18mm |
| SHELL Material: | | Nominal: | | | |
| MAWP S.Side @TEMP: | 1689 KPA @121°C | MAWP T.Side @TEMP: | | | |

ENERPLUS CORPORATION
SHALLOW GAS: SHACKLETON
SCEPTRE

04-29-021-23W3M

Comments: _____

Tech.: A.A.C.

Date: 09/2015

ITS Job No.: 2-3339

DWG No.: 003

| | | | |
|--------------|-----------------------------|---------------|-------------------|
| CLIENT: | Enerplus Corporation | PROV. REG. #: | S05117 / A0565666 |
| FACILITY: | Sceptre | SERIAL #: | 80396401C |
| UNIT/AREA: | Sceptre | EQUIP. NO.: | E51791 |
| LSD: | 04-29-021-23W3M | | |
| DESCRIPTION: | Inlet Separator | | |

DWG #: (003)
CML No.: 05 12" 90L INLET N-E 150#

NOM. THICK.: 9.53 mm
 CA: 1.19 mm
 MIN. NOM.: 8.34 mm

MATERIAL:
 MINIMUM THICKNESS MEASURED: **9.00 mm**
 AVERAGE THICKNESS MEASURED: 9.32 mm

| Rdg. | B/L Thick. | Short Term mm/yr | Long Term mm/yr | Rem. Half Life |
|---------|---------------|------------------------|-----------------------|----------------------|
| 09/2015 | | | | |
| 1 | 9.80 | 0.0000 | 0.0000 | |
| 2 | 10.00 | 0.0000 | 0.0000 | |
| 3 | 9.30 | 0.0000 | 0.0000 | |
| 4 | 9.60 | 0.0000 | 0.0000 | |
| 5 | 9.60 | 0.0000 | 0.0000 | |
| 6 | 9.20 | 0.0000 | 0.0000 | |
| 7 | 9.20 | 0.0000 | 0.0000 | |
| 8 | 9.00 | 0.0000 | 0.0000 | |
| 9 | 9.00 | 0.0000 | 0.0000 | |
| 10 | 9.00 | 0.0000 | 0.0000 | |
| 11 | 9.00 | 0.0000 | 0.0000 | |
| 12 | 9.10 | 0.0000 | 0.0000 | |

CML No.: 10 TOP HEAD T-B

NOM. THICK.: 14.29 mm
 CA: 3.18 mm
 MIN. NOM.: 11.11 mm

MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **16.00 mm**
 AVERAGE THICKNESS MEASURED: 16.15 mm

| Rdg. | B/L Thick. | Short Term mm/yr | Long Term mm/yr | Rem. Half Life |
|---------|---------------|------------------------|-----------------------|----------------------|
| 09/2015 | | | | |
| 1 | 16.10 | 0.0000 | 0.0000 | |
| 2 | 16.00 | 0.0000 | 0.0000 | |
| 3 | 16.20 | 0.0000 | 0.0000 | |
| 4 | 16.10 | 0.0000 | 0.0000 | |
| 5 | 16.20 | 0.0000 | 0.0000 | |
| 6 | 16.30 | 0.0000 | 0.0000 | |

| | | | |
|--------------|-----------------------------|---------------|-------------------|
| CLIENT: | Enerplus Corporation | PROV. REG. #: | S05117 / A0565666 |
| FACILITY: | Sceptre | SERIAL #: | 80396401C |
| UNIT/AREA: | Sceptre | EQUIP. NO.: | E51791 |
| LSD: | 04-29-021-23W3M | | |
| DESCRIPTION: | Inlet Separator | | |

DWG #: (003)
CML No.: 15 TOP SHELL T-B

NOM. THICK.: 15.88 mm
 CA: 3.18 mm
 MIN. NOM.: 12.70 mm

MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **16.40 mm**
 AVERAGE THICKNESS MEASURED: 16.40 mm

| Rdg. | B/L Thick. | Short Term mm/yr | Long Term mm/yr | Rem. Half Life |
|---------|---------------|------------------------|-----------------------|----------------------|
| 09/2015 | | | | |
| 1 | 16.40 | 0.0000 | 0.0000 | |
| 2 | 16.40 | 0.0000 | 0.0000 | |
| 3 | 16.40 | 0.0000 | 0.0000 | |
| 4 | 16.40 | 0.0000 | 0.0000 | |
| 5 | 16.40 | 0.0000 | 0.0000 | |
| 6 | 16.40 | 0.0000 | 0.0000 | |

CML No.: 20 MID SHELL T-B

NOM. THICK.: 15.88 mm
 CA: 3.18 mm
 MIN. NOM.: 12.70 mm

MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **16.70 mm**
 AVERAGE THICKNESS MEASURED: 16.77 mm

| Rdg. | B/L Thick. | Short Term mm/yr | Long Term mm/yr | Rem. Half Life |
|---------|---------------|------------------------|-----------------------|----------------------|
| 09/2015 | | | | |
| 1 | 16.80 | 0.0000 | 0.0000 | |
| 2 | 16.80 | 0.0000 | 0.0000 | |
| 3 | 16.80 | 0.0000 | 0.0000 | |
| 4 | 16.70 | 0.0000 | 0.0000 | |
| 5 | 16.70 | 0.0000 | 0.0000 | |
| 6 | 16.80 | 0.0000 | 0.0000 | |

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|--------------|-----------------------------|---------------|-------------------|
| CLIENT: | Enerplus Corporation | PROV. REG. #: | S05117 / A0565666 |
| FACILITY: | Sceptre | SERIAL #: | 80396401C |
| UNIT/AREA: | Sceptre | EQUIP. NO.: | E51791 |
| LSD: | 04-29-021-23W3M | | |
| DESCRIPTION: | Inlet Separator | | |

DWG #: (003)
CML No.: 25 BTM SHELL T-B

NOM. THICK.: 15.88 mm
 CA: 3.18 mm
 MIN. NOM.: 12.70 mm

MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **16.60 mm**
 AVERAGE THICKNESS MEASURED: 16.68 mm

| Rdg. | B/L Thick. | Short Term mm/yr | Long Term mm/yr | Rem. Half Life |
|---------|---------------|------------------------|-----------------------|----------------------|
| 09/2015 | | | | |
| 1 | 16.60 | 0.0000 | 0.0000 | |
| 2 | 16.70 | 0.0000 | 0.0000 | |
| 3 | 16.60 | 0.0000 | 0.0000 | |
| 4 | 16.70 | 0.0000 | 0.0000 | |
| 5 | 16.80 | 0.0000 | 0.0000 | |
| 6 | 16.70 | 0.0000 | 0.0000 | |
| 7 | 16.60 | 0.0000 | 0.0000 | |
| 8 | 16.70 | 0.0000 | 0.0000 | |

CML No.: 30 BTM HEAD T-B

NOM. THICK.: 14.29 mm
 CA: 3.18 mm
 MIN. NOM.: 11.11 mm

MATERIAL: SA-516-70N
 MINIMUM THICKNESS MEASURED: **16.30 mm**
 AVERAGE THICKNESS MEASURED: 16.55 mm

| Rdg. | B/L Thick. | Short Term mm/yr | Long Term mm/yr | Rem. Half Life |
|---------|---------------|------------------------|-----------------------|----------------------|
| 09/2015 | | | | |
| 1 | 17.20 | 0.0000 | 0.0000 | |
| 2 | 16.60 | 0.0000 | 0.0000 | |
| 3 | 16.50 | 0.0000 | 0.0000 | |
| 4 | 16.40 | 0.0000 | 0.0000 | |
| 5 | 16.30 | 0.0000 | 0.0000 | |
| 6 | 16.30 | 0.0000 | 0.0000 | |

| | | | |
|--------------|-----------------------------|---------------|-------------------|
| CLIENT: | Enerplus Corporation | PROV. REG. #: | S05117 / A0565666 |
| FACILITY: | Sceptre | SERIAL #: | 80396401C |
| UNIT/AREA: | Sceptre | EQUIP. NO.: | E51791 |
| LSD: | 04-29-021-23W3M | | |
| DESCRIPTION: | Inlet Separator | | |

DWG #: (003)

CML No.: 35 12" 90L OUTLET S-W 150#

NOM. THICK.: 9.53 mm
 CA: 1.19 mm
 MIN. NOM.: 8.34 mm

MATERIAL:
 MINIMUM THICKNESS MEASURED: **9.30 mm**
 AVERAGE THICKNESS MEASURED: 9.63 mm

| Rdg. | B/L Thick. | Short Term mm/yr | Long Term mm/yr | Rem. Half Life |
|------|---------------|------------------------|-----------------------|----------------------|
| | 09/2015 | | | |
| 1 | 9.30 | 0.0000 | 0.0000 | |
| 2 | 9.30 | 0.0000 | 0.0000 | |
| 3 | 9.60 | 0.0000 | 0.0000 | |
| 4 | 9.80 | 0.0000 | 0.0000 | |
| 5 | 9.80 | 0.0000 | 0.0000 | |
| 6 | 9.70 | 0.0000 | 0.0000 | |
| 7 | 9.70 | 0.0000 | 0.0000 | |
| 8 | 9.60 | 0.0000 | 0.0000 | |
| 9 | 9.70 | 0.0000 | 0.0000 | |
| 10 | 9.70 | 0.0000 | 0.0000 | |
| 11 | 9.80 | 0.0000 | 0.0000 | |
| 12 | 9.60 | 0.0000 | 0.0000 | |