



## OCD Permitting

Home > OCD Review > Applications > Review Application

### Rejected by the OCD Non-Fee Permit or Registration for Recycling and Re-use of Produced Water, Drilling Fluids and Liquid Oil Field Waste (Including Recycling Containment) (C-147L)

Submission Contact, Application, Fee and Payment Details for Application ID: 16091

[Return to Under OCD Review](#)

First Name: Teena Operator: [\[371643\]](#) SOLARIS WATER MIDSTREAM, LLC  
 Last Name: Robbins Application Status: Rejected by the OCD  
 Email: Teena.Robbins@solarismidstream.com Fee Amount: \$0.00

Type	ID	District	County	Location
Facility ID	<a href="#">[FV2032840095]</a>			P-03-25S-34E Lot: 0 FNL 0 FEL 32.1553702,-103.4527172 NAD83

Attachment Type (Description) Tag(s)	Original Uploaded File Name
C-147L	<a href="#">C-147-TellurideAirGapModFinal_RF-458.pdf (2553.8 Kb)</a>



#### Event Dates

Created On: 1/28/2021 2:24 PM  
 Modified On: 3/11/2021 9:42 AM

Created By: trobb  
 Modified By: vvenegas

[Department Notes](#)

#### Comments

### Conditions of Approval

### Reasons of Rejection

The approved AST for 1RF-458 - Telluride Air Gap Above-Ground Storage Tank has a capacity of 22,000 bbl. The proposed modification triples the approved volume. Please include an updated closure cost estimate. If that amount has not changed, please include a clarification, and resubmit this application.

*Added on 3/11/2021 by vvenegas*

### Department Use Only

Contact Phone:  
Internal Comment:

Contact Email:  
Reviewer: Victoria Venegas

### Fee Information

Created On: 1/28/2021 2:24 PM  
Type: NONE  
Amount: N/A  
Modified On: 1/28/2021 2:24 PM

Created By: trobb  
PO Number: XY3NW-210128-C-147L  
Modified By: trobb



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-147  
Revised April 3, 2017

## Recycling Facility and/or Recycling Containment

**Type of Facility:**  Recycling Facility  Recycling Containment\*  
**Type of action:**  Permit  Registration  
 Modification  Extension  
 Closure  Other (explain) \_\_\_\_\_

\* At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: Solaris Midstream LLC OGRID #: 371643  
Address: 9811 Katy Freeway, Suite 900, Houston, TX, 77024  
Facility or well name (include API# if associated with a well): Telluride Air Gap Above-Ground Storage Tank  
OCD Permit Number: RF-458 (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr: P Section: 3 Township: 25S Range: 34E County: Lea  
Surface Owner:  Federal  State  Private  Tribal Trust or Indian Allotment

2.  
 **Recycling Facility:**  
Location of (if applicable): Latitude: 32.1553749°N Longitude: 103.4526942°W approximately (NAD83)  
Proposed Use:  Drilling\*  Completion\*  Production\*  Plugging\*  
*\*The re-use of produced water may NOT be used until fresh water zones are cased and cemented*  
 Other, requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.  
 Fluid Storage  
 Above ground tanks  Recycling containment  Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_  
 Activity permitted under 19.15.36 NMAC explain type: \_\_\_\_\_  Other explain \_\_\_\_\_  
 For multiple or additional recycling containments, attach design and location information of each containment  
 **Closure Report (required within 60 days of closure completion):**  Recycling Facility Closure Completion Date: \_\_\_\_\_

3.  
 **Recycling Containment:**  
 Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)  
Center of Recycling Containment (if applicable) Lat 32.1553702°N Long 103.4527172°W approx. (NAD83)  
 For multiple or additional recycling containments, attach design and location information of each containment  
 Lined  Liner type: Thickness 40 mil Primary, 40 mil or 30 mil Secondary  LLDPE  HDPE  PVC  Other \_\_\_\_\_  
 String-Reinforced  
Liner Seams:  Welded  Factory  Other Volume: 60,000 ~~22,000~~-BBL Dimensions 138 ft diameter x 8 ft tall See Attachment  
 Recycling Containment Closure Completion Date: \_\_\_\_\_

4.

**Bonding:**

- Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC (These containments are limited to only the wells owned or operated by the owners of the containment.)
- Bonding in accordance with 19.15.34.15(A)(1). Amount of bond \$ \_\_\_\_\_ (work on these facilities cannot commence until bonding amounts are approved)
- Attach closure cost estimate and documentation on how the closure cost was calculated. (See Transmittal Letter)

5.

**Fencing:**

- Four-foot height, four strands of barbed wire evenly spaced between one and four feet
- Alternate. Please specify: \_\_\_\_\_.

6.

**Signs:**

- 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- Signed in compliance with 19.15.16.8 NMAC

7.

**Variations:**

*Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.*

**Check the below box only if a variance is requested:**

- Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.*
- If a Variance is requested, it must be approved prior to implementation. See Volume 2 for Variations***

8.

**Siting Criteria for Recycling Containment**

***Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.***

**General siting**

**Ground water is less than 50 feet below the bottom of the Recycling Containment.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells **FIGURES 1-2**

- Yes  No
- NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Yes  No
- NA

- Written confirmation or verification from the municipality; written approval obtained from the municipality **FIGURE 3**

Within the area overlying a subsurface mine.

- Yes  No

- Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division **FIGURE 4**

Within an unstable area.

- Yes  No

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map **FIGURE 5**

Within a 100-year floodplain. FEMA map **FIGURE 6**

- Yes  No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Yes  No

- Topographic map; visual inspection (certification) of the proposed site **FIGURE 7**

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Yes  No

- Visual inspection (certification) of the proposed site; aerial photo; satellite image **FIGURE 8**

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. **FIGURES 1 and 7**

- Yes  No

- NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site

Within 500 feet of a wetland. **FIGURE 9**

- Yes  No

- US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site

9.

**Recycling Facility and/or Containment Checklist:**

*Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.*

- Design Plan - based upon the appropriate requirements.
- Operating and Maintenance Plan - based upon the appropriate requirements.
- Closure Plan - based upon the appropriate requirements.
- Site Specific Groundwater Data -
- Siting Criteria Compliance Demonstrations -
- Certify that notice of the C-147 (only) has been sent to the surface owner(s)

10.

**Operator Application Certification:**

I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Bradley Todd Carpenter Title: Operations Manager  
 Signature: *Todd Carpenter* Date: 01/19/21  
 e-mail address: todd.carpenter@solarismidstream.com Telephone: (432) 203-9020

11.

OCD Representative Signature: \_\_\_\_\_ Approval Date: \_\_\_\_\_

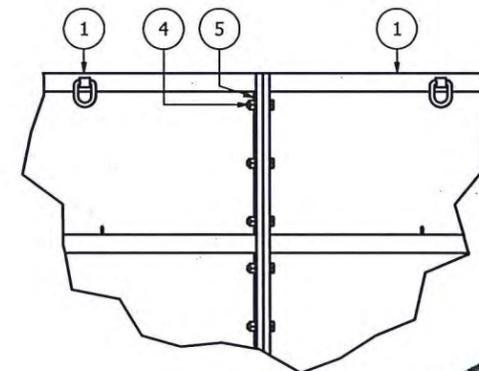
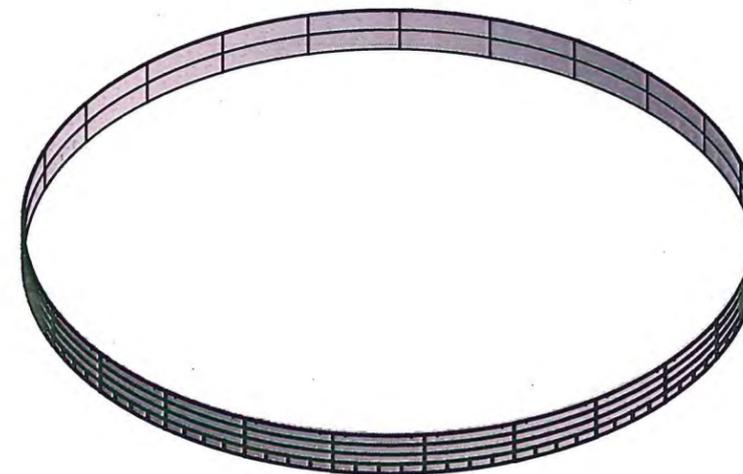
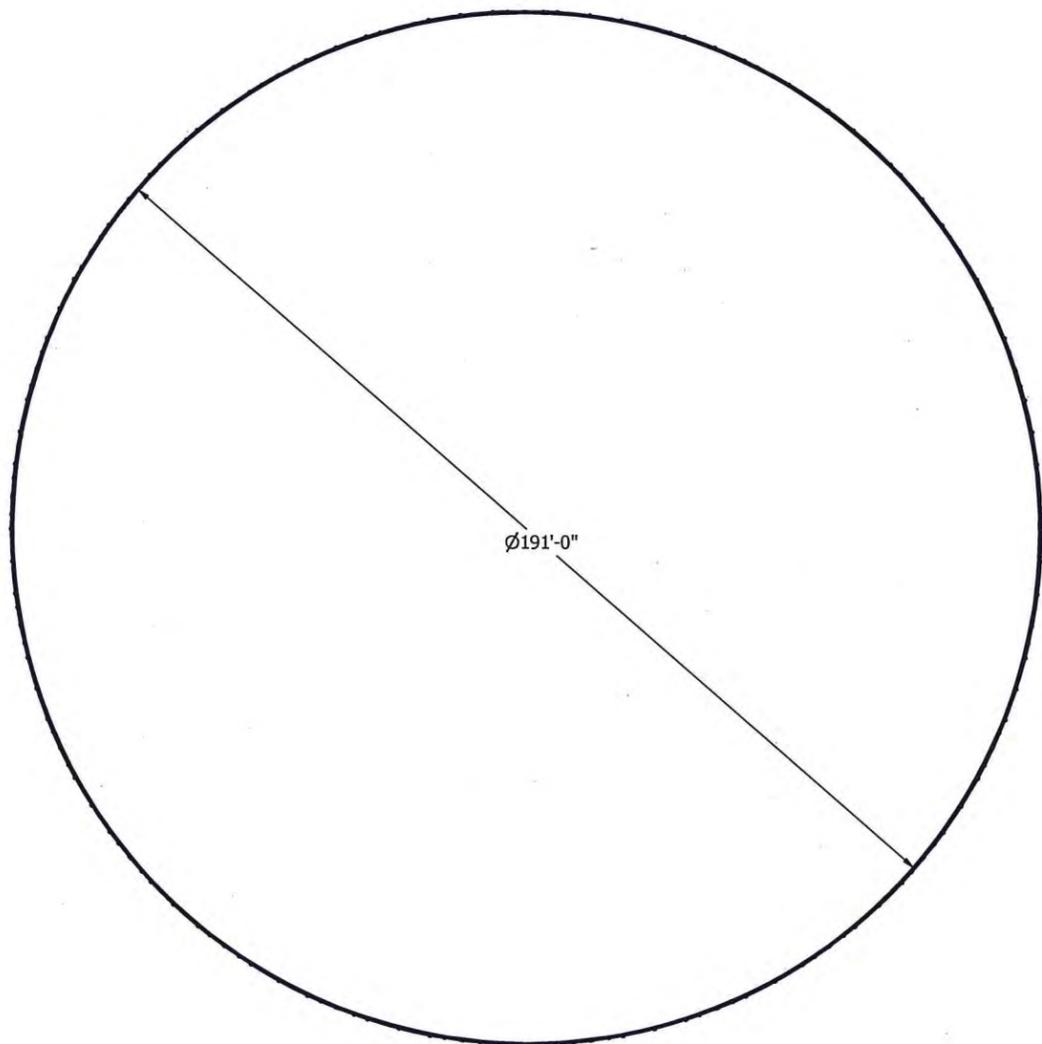
Title: \_\_\_\_\_ OCD Permit Number: \_\_\_\_\_

- OCD Conditions \_\_\_\_\_
- Additional OCD Conditions on Attachment \_\_\_\_\_

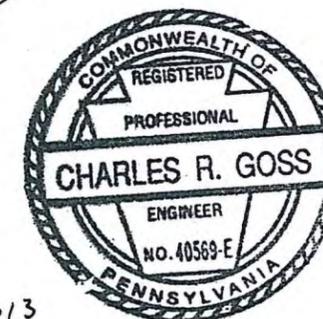
AST DESIGN DRAWINGS, LINER SPECIFICATIONS  
AND SET UP SOP

for

60,000 bbl AST Containment to Replace  
22,000 bbl AST Containment



DETAIL A  
SCALE 1 / 25



*CRG*  
18 Dec 2013



*Reviewer's notes:*

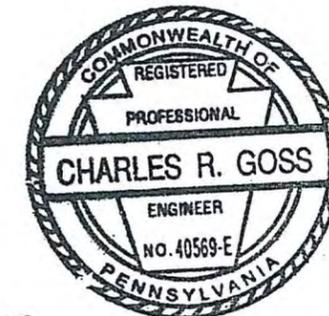
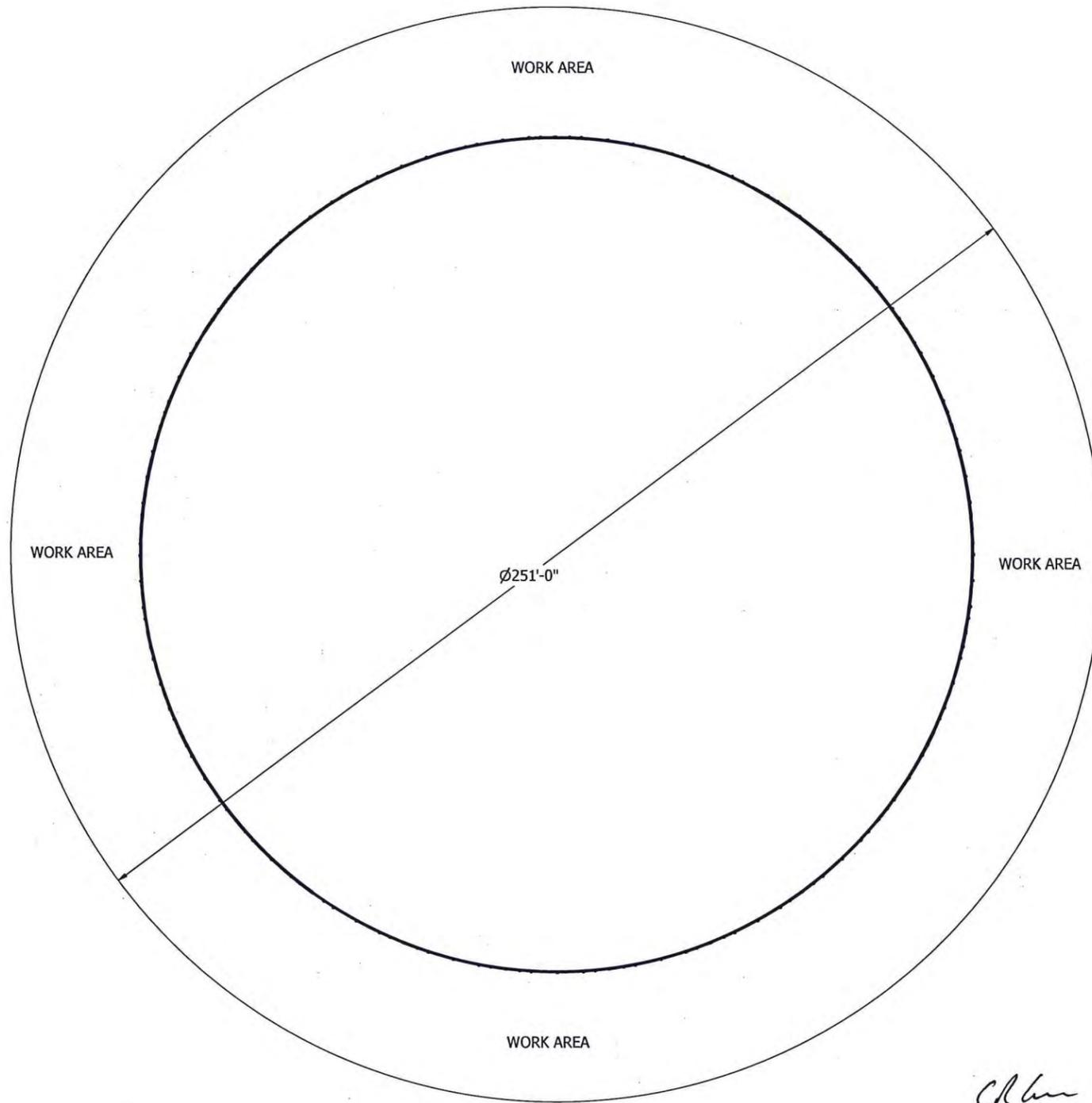
1. This drawing set replaces set previously sealed on 27 MAR 2013
2. Empty corral cannot withstand high winds.

ITEM	QTY	PART NUMBER	DESCRIPTION	REV
6	120	4X4X4 LUMBER	4" x 4" x 48" Lumber (NOT SHOWN)	-
5	850	WASH-200-1-1/4	1-1/4" ASTM F436 Galvanized Structural Washer	-
4	425	NUT-200-1-1/4-7	1-1/4"-7 ASTM A563 Gr DH Galvanized Hex Nut	-
7	425	BOLT-1-1/4-4333	1-1/4"-7 x 5" ASTM A490 Structural Bolt	-
3	25	ETC-106	.063" X 8" X 168" RUBBER SHEET (NOT SHOWN)	-
2	5	MWC-SA-008A	60,000 BBL Corral Shipping Support	-
1	25	MWC-SA-002a	60,000 BBL CORRAL WALL SECTION	-

<p>THIS DRAWING IS PROPERTY OF JWF INDUSTRIES IT MAY NOT BE COPIED OR DISTRIBUTED IN WHOLE OR PART. WITHOUT PRIOR PERMISSION OF JWF INDUSTRIES.</p>	<p>INTERPRET DIMENSIONS AND TOLERANCES LAW ASME Y14.5-2009 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (MM)</p> <p>FRACTIONAL ± 1/4(6.4)  X.XX ± .25(6.4)  X.XXX ± .125(3.2)  X.XXXX ± .060(1.5)  ANGULAR ± 1°</p>	<p>DRAWN BY mspeciale</p> <p>DATE 7/12/2012</p> <p>CHECKED BY dbodenshatz</p> <p>DATE 11/23/2012</p> <p>APPROVED mspeciale</p> <p>DATE 11/23/2012</p>	<p>ETC Environmental Tank &amp; Container JOHNSTOWN, PA 855-382-8265 www.etcTank.com</p>	
	<p>THIRD ANGLE PROJECTION</p>	<p>MATERIAL</p>	<p>TITLE 60,000 BBL MOBILE WATER CORRAL, BOLT-UP DESIGN</p>	<p>SIZE   PRT. NO. C   MWC-A-002a</p>
	<p>THICKNESS</p>	<p>WEIGHT</p>	<p>SCALE DO NOT SCALE</p>	<p>DWG. NO. MWC-A-002a</p>
	<p>LOCATION: C:\Vault\ETC\Vault\Corrals\MWC-A-002a.lam</p>	<p>SCALE</p>	<p>DO NOT SCALE</p>	<p>SHEET 1 OF 2</p>

NOTES:

1. MINIMUM OF 30 FEET OF WORK AREA AROUND CORRAL
2. OVER ALL SITE MUST BE LEVEL TO +/- .50 INCH
3. RING AREA WHERE CORRAL PANELS WILL BE SETUP MUST BE LEVEL TO +/- .25 INCH
4. SOIL COMPACTION MUST MEET ASTM D-698A, 90% OR GREATER
5. BUILD A 12" X 12" SAND INSIDE CORNER RELIEF BEFORE INSTALLING LINER
6. MUST USE 1"-1/4"-7 X 4" GRADE A490 STRUCTURAL BOLTS
7. PANELS MUST HAVE ALL CONNECTING BOLTS TIGHTENED AND LINER FULLY SECURED BEFORE ADDING WATER
8. ALLOW FOR 6 INCHES OF FREEBOARD FROM TOP OF CORRAL



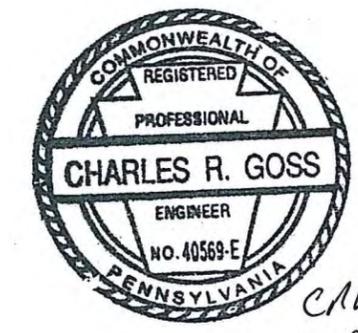
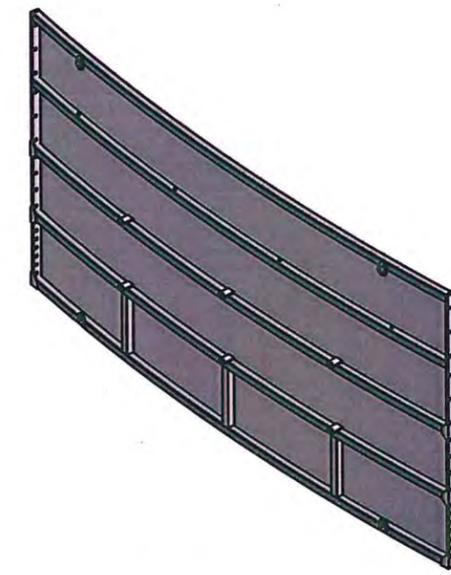
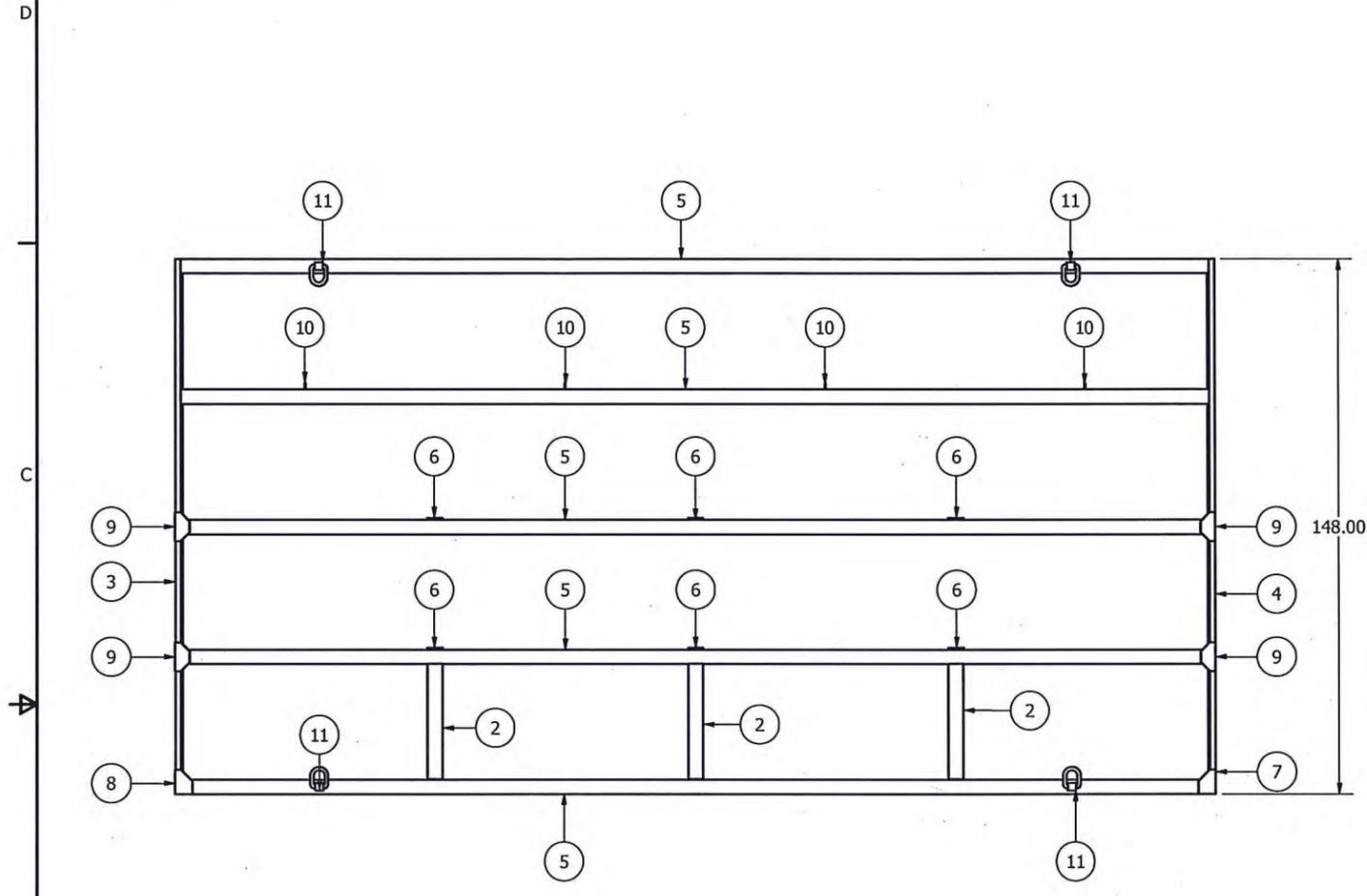
*CRG*  
18 Dec 2013

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	FRACTIONAL ± 1/16(6.4) XXX ± .25(6.4) XX ± .125(3.2) X ± .06(1.5) ANGULAR ± 1°	DATE 7/12/2012	TITLE 60,000 BBL MOBILE WATER CORRAL, BOLT-UP DESIGN		
	APPLICATION THIRD ANGLE PROJECTION	CHECKED BY dbodenshatz	DATE 11/23/2012	APPROVED mspeciale	SIZE C
	MATERIAL THICKNESS NA	DATE 11/23/2012	PRT. NO. MWC-A-002a	DWG. NO. MWC-A-002a	REV -

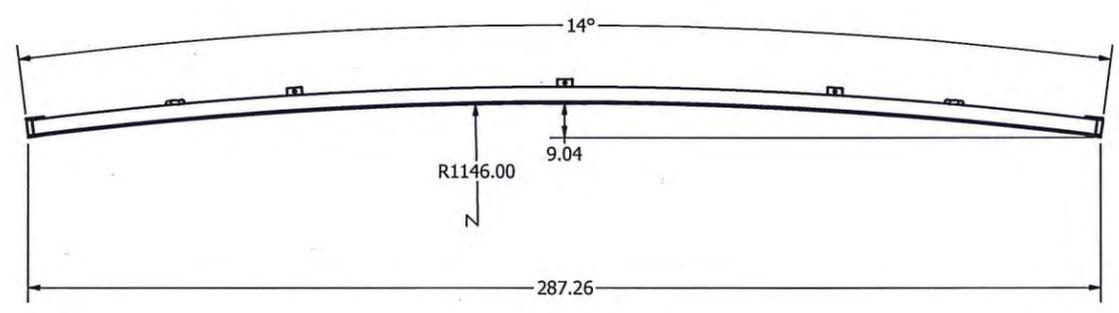
NOTES:

1. BLAST TO A 1 1/2 - 2 mil PROFILE
2. PAINT WITH CARBOLINE 8845, 3 - 5 mils THICK

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	10/1/2012	MJS



*CRG*  
18 Dec 2013



ITEM	QTY	PART NUMBER	DESCRIPTION	REV	STOCK NUM	UNIT QTY
12	1	ETC-109	.062" X 4" X 288" RUBBER SHEET	-	NA	NA
11	4	ETC-079	Weld-on Lifting Ring	-	NA	NA
10	4	ETC-040	D-RING	-	NA	NA
9	4	MWC-323	PLATE, 1/2"	-		1
8	1	MWC-322	PLATE, 1/2"	-		1
7	1	MWC-321	PLATE, 1/2"	-		1
6	6	MWC-019	PLATE, 1/2"	-	010558	23.43 lbs
5	5	MWC-017a	TUBE, 4" X 4" X .25"	-	030227	120 ft
4	1	MWC-211R	1.50" X 4.00" FLAT BAR	-	020172	12.33 ft
3	1	MWC-211L	1.50" X 4.00" FLAT BAR	-	020172	12.33 ft
2	3	MWC-004	TUBE, 4" X 4" X .25"	-	030068	8 ft
1	2	MWC-001a	PLATE	-	010013	5880.72 lbs

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	<p>THIRD ANGLE PROJECTION</p>	<p>MATERIAL Welded Steel Mild</p>	<p>TITLE 60,000 BBL CORRAL WALL SECTION</p>
	<p>THICKNESS NA WEIGHT N/A</p>	<p>SCALE DO NOT SCALE N/A</p>	<p>SIZE PRT. NO. C MWC-SA-002a</p>
	<p>LOCATION: C:\Vault\ETCVault\Corrals\MWC-SA-002a.lam</p>	<p>DWG. NO. MWC-SA-002a</p>	<p>REV -</p>

A

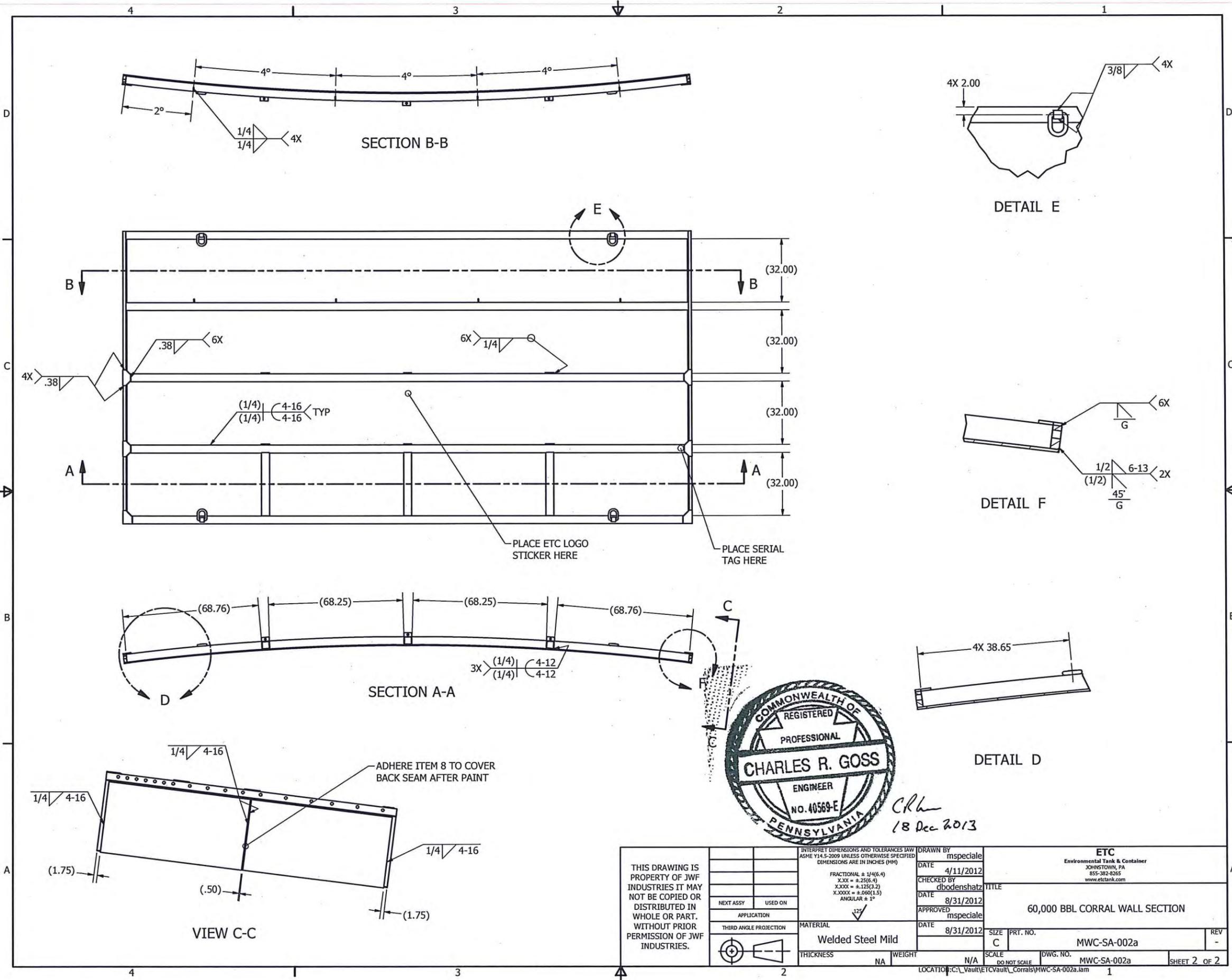
A

4

3

2

1



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	FRACTIONAL ± 1/4(6.4) XX ± .25(6.4) XXX ± .125(3.2) XXXX ± .060(1.5) ANGULAR ± 1°	CHECKED BY dbodenshatz	DATE 8/31/2012	TITLE 60,000 BBL CORRAL WALL SECTION
	APPLICATION THIRD ANGLE PROJECTION	MATERIAL Welded Steel Mild	APPROVED mspeciale	DATE 8/31/2012
	NEXT ASSY USED ON	THICKNESS NA	WEIGHT N/A	SCALE DO NOT SCALE
SIZE C	PRT. NO. MWC-SA-002a	DWG. NO. MWC-SA-002a	SHEET 2 OF 2	

CRG  
18 Dec 2013



SKAPS TRANSNET™ geonet consists of SKAPS Geonet made from HDPE resin.

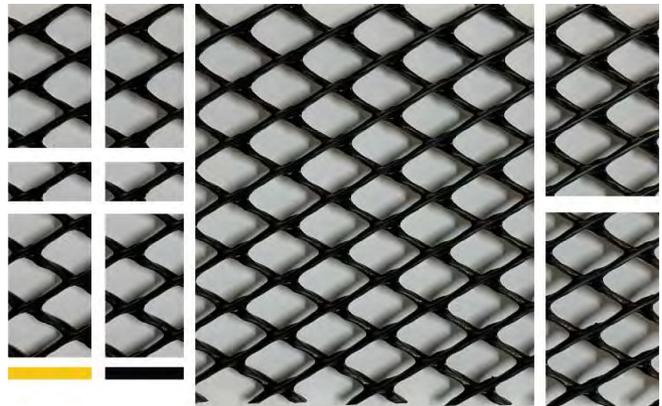
PROPERTY	TEST METHOD	UNIT	VALUE	QUALIFIER
Thickness	ASTM D 5199	mil	200	MAV <sup>(3)</sup>
Carbon Black	ASTM D 4218	%	2.0	MAV
Tensile Strength	ASTM D 7179	lb/in	45	MAV
Melt Flow	ASTM D 1238 <sup>(2)</sup>	g/10 min	1.0	Maximum
Density	ASTM D 1505	g/cm <sup>3</sup>	0.94	MAV
Transmissivity <sup>(1)</sup>	ASTM D 4716	gal/min/ft (m <sup>2</sup> /sec)	9.67 (2.0 x 10 <sup>-3</sup> )	MAV

**Notes:**

(1) Transmissivity measured using water at 21 ± 2 °C (70 ± 4 °F) with a gradient of 0.1 and a confining pressure of 10,000 psf between steel plates after 15 minutes. Values may vary with individual labs.

(2) Condition 190/2.16

(3) Minimum average value



*This information is provided for reference purposes only and is not intended as a warranty or guarantee.*

*SKAPS assumes no liability in connection with the use of this information.*

PROPERTY	TEST METHOD	FREQUENCY <sup>(1)</sup>	UNIT Imperial	
<b>SPECIFICATIONS</b>				
Thickness (min. avg.)	ASTM D5199	Every roll	mils	40.0
Thickness (min.)	ASTM D5199	Every roll	mils	36.0
Melt Index - 190/2.16 (max.)	ASTM D1238	1/Batch	g/10 min	1.0
Sheet Density (8)	ASTM D792	Every 10 rolls	g/cc	≤ 0.939
Carbon Black Content	ASTM D4218	Every 2 rolls	%	2.0 - 3.0
Carbon Black Dispersion	ASTM D5596	Every 10 rolls	Category	Cat. 1 & Cat. 2
OIT - standard (avg.)	ASTM D3895	1/Batch	min	100
Tensile Properties (min. avg) (2)	ASTM D6693	Every 2 rolls		
Strength at Break			ppi	168
Elongation at Break			%	800
2% Modulus (max.)	ASTM D5323	Per formulation	ppi	2400
Tear Resistance (min. avg.)	ASTM D1004	Every 5 rolls	lbf	22
Puncture Resistance (min. avg.)	ASTM D4833	Every 5 rolls	lbf	62
Dimensional Stability	ASTM D1204	Certified	%	± 2
Multi-Axial Tensile (min.)	ASTM D5617	Per formulation	%	30
Oven Aging - % retained after 90 days	ASTM D5721	Per formulation (5)		
STD OIT (min. avg.)	ASTM D3895		%	35
HP OIT (min. avg.)	ASTM D5885		%	60
UV Resistance - % retained after 1600 hr	ASTM D7238	Per formulation (5)		
HP-OIT (min. avg.)	ASTM D5885		%	35
Low Temperature Brittleness	ASTM D746	Certified	°F	- 106
<b>SUPPLY SPECIFICATIONS</b> (Roll dimensions may vary ±1%)				
Color (one side) (4)		-		White

## NOTES

1. Testing frequency based on standard roll dimension and one batch is approximately 180,000 lbs (or one railcar).
2. Machine Direction (MD) and Cross Machine Direction (XMD or TD) average values should be on the basis of 5 specimens each direction.
4. Smooth edge may not have the same consistent shade of color as the membrane itself. The colored layer may cause the carbon black content results to be higher than 3%.
5. Certified by core (black) formulation on geomembrane roll or molded plaque.
8. Correlation table is available for ASTM D792 vs ASTM D1505. Both methods give the same results.

\* All values are nominal test results, except when specified as minimum or maximum.

\* The information contained herein is provided for reference purposes only and is not intended as a warranty of guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. SOLMAX assumes no liability in connection with the use of this information.

Solmax is not a design professional and has not performed any design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation or specification.

	<b>Mustang Extreme Environmental Services, LLC</b>		<b>Pg. 1 of 5</b>
	<b>MEES-003</b>	<b>Rev: 01</b>	

Policy Template

**APPROVALS**

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*All approvals are maintained and controlled By **OPERATIONS MANAGEMENT***

*Please refer to the **SOP MANUAL** for the current controlled revision and approval records.*

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**REVISION HISTORY**

<i>AUTHOR</i>	<i>REVISED SECTION/PARAGRAPH</i>	<i>REV</i>	<i>RELEASED</i>
<b><u>Jeff Anderson</u></b>	<b><u>INITIAL RELEASE</u></b>	02	

---

*Draft and Archived/Obsolete revisions are not to be used.*

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	<b>MEES-003</b>	<b>Rev: 01</b>	

## 1. PURPOSE

*This procedure is being implemented to standardize the process for installing Epic 360 Tanks and to ensure the quality from a standardized plan.*

## 2. SCOPE

*This procedure applies to the installations of 10,000bbl, 22,000bbl, 40,000bbl, and 60,000bbl Epic Tanks*

## 3. DEFINITIONS

- Epic 360 Tank – Above ground tank used for water containment. Permanent or temporary structure used in industrial processes where large volumes of water are needed.
- Secondary Containment – Usually a “steel wall” type of containment that surrounds the perimeter of the Epic tank and serves as safeguard if leaks were to occur.

## 4. RESPONSIBILITIES

- SOP process owner – On-Site Epic Supervisor designated by management
- On-site Epic Supervisor – Ensure that SOP is strictly followed as the source for correct assembly and installation of Epic Tanks and their secondary containments.
- Crew Leader – Follow direction given by the On-Site Supervisor and managing their crew in a safe and productive manner
- Crew – Labor portion of the assembly/installation process
- Safety Coordinator – Ensuring that safety standards are being followed by the On-Site Supervisor, Crew Leader, and Crew. This is attained through audits and evaluation.
- Quality Director – Performs a post-completion inspection and ensures that the tank was built to customer specifications.
- Regulatory/Document Coordinator – Compile and file appropriate inspections and quality control documentation.

## 5. POLICY

Procedure for installing Epic 360 Tanks.

### 5.1 Prepare Surface Area

- Assure ground surface is within 1” of level grade. This is checked by the On-Site Epic Supervisor.
- If level, find the center of tank location and mark ground with paint. Determine radius of tank and mark ground for footprint of the tank.
- Obtain textile and appropriate liner, as determined by customer or internal specifications.

### 5.2 Ground Cover Installation

- Determine whether the tank requires a secondary containment to achieve 110% containment, spill containment, or tank only installation.

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- Apply textile to the entire footprint of the tank, including secondary tank if applicable. Re-mark the painted footprint on top of the textile to serve as a guide for the wall panel placement.
- Apply liner material over the textile extending it 15 feet past the edge of the tank footprint.
- Fold the liner back toward the center of the tank footprint allowing sufficient space to place the wall panels.

### 5.3 Tank Wall Assembly

- Panels weight 8,600 lbs. each. A 10,000--11,000 lb Telehandler or greater must be used when handling and installing these panels. Use **Extreme Caution** when performing this process.
- Wall Assembly cannot take place if winds exceed 15 mph.
- Hold a safety meeting to determine who the signal person will be. The designated signal person will be the **ONLY** person to give direction to the Telehandler operator. However, anyone can give the **STOP** signal.
- Using rate and certified lift chains, attach two (2) hooks to the top of the wall panel.
- Attach tag lines to the bottom of the wall panel to assist in guiding the panel during installation.
- Equipment operator will place the wall panel in its designated location. While still supported by chains and the telehandler, install six (6) braces on the wall panel – three (3) braces on the inside of the wall and three (3) on the outside of the wall. Once the braces are installed, the lift chains can be removed.
- Install second wall panel following the same process. Once the second wall panel is in place, bolt the panels together. Be sure to leave the braces in place until at least half of the panels are installed.
- Repeat this process until the entire circumference is complete.

### 5.4 Tank Liner Installation

- The On-Site Supervisor and Safety Coordinator will determine if entry into the tank would be considered “confined space entry”. If designated as such, a confined space permit will be obtained and only those designated personnel will be permitted to enter.
- Liner install cannot take place if winds are over 10-15 mph.
- Attach pull line to the edge of the liner and pull line over top of the wall panels.
- Secure liner to the top of the wall panels using the (3) clamps per panel. While clamping, inspect the liner to ensure it is not in a “stressed” condition and be sure to leave enough slack so that the liner can conform to the walls once the tank is filled with water.
- Trim any excess liner material from the outer edge of the tank wall

### 5.5 Final Installation

- The tank is now ready for the necessary access ladders and discharge hoses to be installed.
- Remove all excess material from the property and dispose of appropriately.

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**5.6 Final Inspection**

- The Quality Director will inspect the completed build to ensure that it was built to the customer specifications.

**6. APPLICABLE REFERENCES**

- Epic Tank Supervisor