DIRECTOR III ™

CLEARWELL BAFFLE SYSTEM FOR WELDED STEEL TANK

1.0 General Description

1.1 The clearwell baffles described in this specification shall be custom manufactured factory prefabricated hydraulic barrier curtain(s) designed to improve flow characteristics in a new or existing clearwell system. The manufacturer shall utilize virgin quality elastomeric geomembrane materials and factory dielectric and thermal seaming processes throughout. The clearwell baffle support hardware shall be manufactured in prefabricated kits to minimize field cutting and drilling. The clearwell baffles shall be designed for ease of installation in a new or existing clearwell.

2.0 Scope

2.1 Furnish and install Clearwell Baffles with appurtenances necessary to complete work as directed in the project specifications and drawings.

2.2 Each Clearwell Baffle shall include factory fabricated geomembrane panel(s) and related hardware required to complete the installation.

3.0 Qualifications

3.1 The diversion curtains shall be equivalent in all respects to the **Director III**™ series Clearwell Baffles manufactured by Environetics, Inc., Lockport, IL, Phone: 815-838-8331.

3.2 Qualified manufacturers must have at least 20 years experience in the fabrication of geomembrane products and must have manufactured a minimum of 50 baffle projects for clearwell applications.

3.3 Alternate manufacturers wishing to pre-qualify shall submit to the engineer, no later than 15 days prior to the bid date, a list of clearwell baffle projects with detail drawings meeting the requirements of this project specification.

4.0 Materials

4.1 Material Properties

Physical Properties	Test Method	Standard
Base Fabric Type	ASTM D 751	Polyester
Base Fabric Weight		6.5 oz/yd² nominal
Thickness	ASTM D 751	30 mils min.
Weight	ASTM D 751	30.0 +- 2 oz./sq. yd.
Tear Strength	ASTM D 751 Trapezoid Tear	40/55 lbs. min.
Breaking Yield Strength	ASTM D 751 Grab Tensile	550/550 lb. min.
Low Temperature Resistance	ASTM D 2136, 1/8-in. mandrel, 4 hrs.	Pass @ -30° F
Dimensional Stability	ASTM D 1204, 100°C- 1 hour	0.5% max each direction
Hydrostatic Resistance	ASTM D 751 Method A	800 psi. min.