SALIENT CHARACTERISTICS
For Spill Containment Berms,16th Sustainment Brigade

1.0 REQUIREMENTS

The contractor shall provide sixty (60) complete spill containment berm systems that meet the following minimum specifications. The berm must provide a minimum spill containment volume of 10,175 U.S. gallons. This capacity is calculated as 110% of the nominal 9,250-gallon capacity of the M344 Bulk Fuel Distribution System (BFDS) semi-trailer it is designed to support:

1.1. Berm Physical Specifications & Features:

- Dimensions: Each berm shall have a minimum containment area of 12 feet (Width) x 81 feet (Length) with a minimum wall height of 18 inches.
- Crate for Delivery: Crate should hold 5 fuel berms EA for shipment and be able to be moved with a forklift for easy transportation
- Construction Type: Must be a drive-through design with self-rising entry/exit walls that automatically rise with the level of a spill. The design must allow tactical vehicles to enter and exit without manual setup or breakdown of walls.
- Wall Design: Entry/exit walls (81-foot walls) must be lay-flat by design, allowing vehicles to drive over them without damage. Side walls (12-foot walls) may utilize L-bracket supports or a self-rising design. Overall construction must not have loose parts that can be lost in field conditions.
- Durability: The design must feature reinforced, overlap seams. No screws or exposed metal parts that could puncture the fabric or vehicle tires are acceptable.

1.2. Fabric Performance Specifications:

- Material: The berm fabric must be a high-performance composite textile, equivalent to or exceeding the specifications of Seaman Corporation's XR-5. The fabric must have a proven history of use in military and industrial containment applications for a minimum of 20 years.
- Chemical Resistance: Fabric must be resistant to JP-8, diesel fuel, motor oils, hydraulic fluids, and other common POL products.
- Environmental Resistance: Fabric must demonstrate high resistance to UV degradation, abrasion, and temperature extremes expected in a European operational environment.

1.3. Warranty (KEY PERFORMANCE PARAMETER):

- The vendor must provide a minimum 10-Year Workmanship Warranty covering the integrity of all seams and manufacturing processes.
- The vendor must provide a minimum 10-Year Prorated Fabric Warranty covering performance against weathering and chemical compatibility.
- Note: Warranties that exclude freight charges are acceptable, but the core workmanship and fabric lifespan must be guaranteed as specified.

1.4. Field Maintenance & Repair:

- The berms must be field-repairable using a heat-weld process.
- The contractor shall provide a heat-weld repair kit for every ten berms
- The contractor shall provide detailed instructions and/or training videos on the correct field repair process.

2.0 SUPPORTING EQUIPMENT & OPTIONS
Vendors should include line-item pricing for the following optional, but highly recommended, supporting items:

2.1. Underlayment:

- Option A: Standard non-woven geotextile underlayment, sized to match the berm.
- Option B: Premium 18 oz. vinyl underlayment for high-frequency mobile operations, sized to match the berm.

2.2. Track Mat Protection System:

- A set of two (2) heavy-duty track mats designed to run the full length of the berm's interior.
- Mats must be of sufficient length to extend a minimum of 2 feet beyond the entry/exit walls to protect the berm during vehicle ingress and egress.

3.0 DELIVERABLES

The contractor shall deliver the following:
Drive-Through Spill Containment Berm (Meeting all 1.1 Berm Physical Specifications)
Crate for delivery (Meeting all 1.1 Berm Physical Specifications)
Heat-Weld Repair Kit
Technical Data Package (including user manual, repair guide, warranty certificates)

(Optional) Standard Geotextile Underlayment
(Optional) Premium Vinyl Underlayment
(Optional) Track Mat Protection System

4.0 DELIVERY

4.1. Delivery Location: All items shall be delivered to the 16th Sustainment Brigade, Grafenwoehr, Germany, DODAAC: WKFDAA

4.2. Delivery Date: All items shall be delivered no later than 90 days after contract award.