<table>
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<tr>
<th>Project Number:</th>
<th>Shop/Operation:</th>
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**Project Title:** Purchase Reusable Spill Absorbent Materials

**Current Practice and Baseline:**

**New Process:** Facilities should consider eliminating drysweep and purchasing alternative absorbent materials such as more efficient organic loose particulate and reusable pads and wringers. Used organic drysweep should be disposed of via energy recovery rather than landfill disposal.

*Organic, loose particulate absorbent material:* Organic absorbent material compares favorably with synthetic absorbent material on an economic basis, but has a faster absorption rate and a longer retention, according to the Organic Absorbent Association. Organic absorbents, unlike synthetic absorbents, cannot be wrung out for oil reclamation and sorbent reuse. However, disposal costs are lower if used for energy recovery rather than disposal in a landfill.

*Reusable synthetic pads and wringer:* These pads are highly absorbent and can be used several times before disposal. Once the absorbent pads are saturated with oil, the pads can be passed through a wringer that sits on top of a 55-gallon drum. The wringer removes a large amount of the oil, allowing the pad to be reused. Depending on the amount spilled or leaked, the pad can be reused approximately 4 to 10 times before disposal.

*Shop vacuum for oil spills:* Vacuuming spilled oil is the most environmentally sound way of managing uncontained oil. This process ensures recovery of the spilled oil for future recycling. Several vacuums are commercially available.

*Reuse rags and absorbent materials:* All rags, floor sweeps, absorbent pads, and disposable towels used to wipe, absorb, or clean up spills should be covered with the substance before being laundered or disposed. Designate two separate containers: one for partially saturated rags to be reused and one for saturated rags to be laundered or disposed. After cleaning a spill, decide whether the rag is partially or entirely saturated and place in proper bin. Ensure that all shops follow these procedures.

**Benefits:** Improving spill prevention practices and cleanup procedures will reduce raw material costs and waste generation. It can also reduce labor time required to clean up unnecessary spills and leaks.
**Project Title:** Purchase Reusable Spill Absorbent Materials  

**Potential Mission Impacts/TM Requirements:** None expected

**P2 Goal:** MSW

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<tr>
<th>Annual Cost Of Current Practice:</th>
<th>Capital Project Costs:</th>
<th>Annual Project Costs:</th>
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<tbody>
<tr>
<td><strong>Materials:</strong></td>
<td><strong>Equipment:</strong></td>
<td><strong>Materials:</strong></td>
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<td><strong>Waste:</strong></td>
<td><strong>Waste:</strong></td>
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<td><strong>TOTAL:</strong></td>
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**Vendor Information/Implementation Assistance:**

**Absorbent Materials (loose particulate):**

1. *Organic* - ARK Enterprises, Inc., P.O. Box 725, Peculiar, MO 64078, (800)-872-5741  
   - Exsorbent (incinerable) - 1 cubic foot (8 lb.) absorbs 8 gallons. 17,000 Btu value.  
   - NSN 4235-01-423-1466 (1 cubic foot bag - 4/case): $11.25/bag  
   - NSN 4235-01-423-0711 (2 cubic foot bag - 4/case): $18.00/bag*

1. *Organic* - Oclanspill Inc., 601 S. Meadow Ln., El Campo, TX 77437, (800) 392-7736  
   - Oclansorb (incinerable)

1. *Organic* - Safety Kleen (Home Office), 1000 N. Randall Rd., Elgin, IL 60123, (800) 669-5740  
   - Corn cob fines

1. *Synthetic* - Worldwide Environmental, 3901 N.E. 5th Terrace, Ft. Lauderdale, FL 33334, (800) 257-7236  
   - SorbAnt (polyisocyanurate)

1. *Synthetic* - 3M Corporation, Building 275-6W-01, PO Box 33275, St. Paul, MN 55133-3275, (800) 896-4223  
   - Power Sorb
Vendor Information/Implementation Assistance (continued):

Absorbent Pads, Socks, Booms, and Wringers

1. **Organic** - ARK Enterprises, Inc., P.O. Box 725, Peculiar, MO 64078, (800)-872-5741
   - Exsorbent - 1 cubic foot (8 lb.) absorbs 8 gallons. Incinerable; 17,000 Btu value.
     ⇒ 18” X 18” X 3” pad, 30/case. Each pad absorbs up to 2 gallons of oil.
     NSN 4235-01-423-1463  Cost:  $5.95 each.
     ⇒ 2” X 10” sock, 20/case. Each sock absorbs up to 3 gallons of oil.
     NSN 4265-01-426-1467  Cost:  $9.75 each.
     ⇒ 4” X 8’ sock, 10/case. Each sock absorbs up to 4 gallons of oil.
     NSN 4265-01-426-1467  Cost:  $21.20 each.
     ⇒ 10” X 10’ boom, 3/case. Each boom absorbs up to 12 gallons of oil.
     NSN 4265-01-423-2787  Cost:  $50.00 each.

2. **Synthetic** - 3M Corporation, Building 275-6W-01, PO Box 33275, St. Paul, MN 55133-3275, (800) 896-4223 (non-combustible)
   - Pads and Production Pads, Production Pad M-PD720GG, 7 1/2” x 20 1/2”, 100/case
   - Pads and Production Pads, Pad M-PD1520DD, 15 1/2” x 20 1/2”, 100/case
   - Maintenance Sorbent-Folded, Folded M-FL550DD, 5” x 50’/box, 3 boxes/case
   - Rolls, Rolls M-RL1510DD, 15 1/2” x 150’, 1/case
   - Rolls, Rolls M-RL3150DD, 33” x 150’, 1/case
   - Rolls, Rolls M-RL38150DD, 38” x 150’, 1/case
   - Wringer, A-WNGR-1

3. **Synthetic** - New Pig Corporation, One Pork Avenue, Tipton, PA 16684-0304, (800) 468-4647
   - RE-UZ-IT Pad (#PAD201, 15 pads/bale, 18” x 18”, absorbs 135 oz. per pad, non-combustible):  
     $115/bale (if purchasing 10 or more bales)
   - Pig Squeezer, (#RNG202) (21” W x 24” H, 81 lb./unit): $695  
   - Filters and Hardware (#RNG201-0001, box of 12, 23” diam. x 1/2” thick): $39

Shop Vacuum Cleaners

1. New Pig Corporation, One Pork Avenue, Tipton, PA 16684-0304, (800) HOT-DOGS
   - VAC-U-MAX Vacuum (TLS271J): $657  
   - Minuteman Heavy Duty Industrial Vacuum for a 55 gal. drum (TLS274J): $749  
   - Minuteman Heavy Duty Industrial Vacuum with 15 gal. capacity (TLS275J): $430  
   - Transvector Vacuum Pump (DRM277 - 10 lb.): $437 or  
   - Transvector Vacuum Pump (DRM420 - 16 lb.): $525  
   - plus Transvector Vacuum Pump Squeegee (DRM276): $99

<p>| Total Score: | Goals: | Env Impact: | Compliance: | Tech Feas: | Cost: |</p>
<table>
<thead>
<tr>
<th>Activity</th>
<th>OPR</th>
<th>Completion Date</th>
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<tbody>
<tr>
<td>1. Evaluate needs for spill clean-up activities and place procurement</td>
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<td>request for absorbent materials.</td>
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<td>2. Establish work order.</td>
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<td>3. Acquire material and implement new spill response procedures.</td>
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<td>4. Train personnel on use of material/equipment.</td>
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