Savannah River Remediation Tank Closure Update

Mark D. Hasty
Waste Removal and Tank Closure Director
Savannah River Remediation
November 15, 2010
Tank Closure Progression

- **Bulk Waste Removal**
  - Tank 4 in active BWR
  - Tanks 7, 9, 10, 11, 13, 14, & 15 preparation

- **Mechanical Heel Removal**
  - Tank 12 in progress

- **Chemical Cleaning**
  - Tank 8 being prepped for chemical cleaning
  - And ECC design/real waste testing in progress

- **Cooling Coil Flushing**
  - Tank 16 in progress

- **Annulus Cleaning**
  - Tanks 5, 6, 18 & 19 in progress

- **Final Sampling and Isolation**
  - Tanks 17 & 20 closed

- **Grout Tank**
Best estimate of ~ 2,000 gallons* of solids remain

* Based on a qualitative estimate of the remaining solids. Final volume determination will be included in the Closure Module.
Best estimate of ~ 2,000 gallons* of solids remain

* Based on a qualitative estimate of the remaining solids. Final volume determination will be included in the Closure Module.
## Current Status of Tanks

<table>
<thead>
<tr>
<th></th>
<th>Tank 5</th>
<th>Tank 6</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Starting Volume (gal)</td>
<td>730,000</td>
<td>730,000</td>
<td>1,460,000</td>
</tr>
<tr>
<td>Total SMP Run Time (hr)</td>
<td>2,466</td>
<td>5,818</td>
<td>8,284</td>
</tr>
<tr>
<td>Total Liquid Introduced into the Tank (gal)</td>
<td>2,960,000</td>
<td>3,800,000</td>
<td>6,760,000</td>
</tr>
<tr>
<td>Total New Waste Created (gal)</td>
<td>780,000</td>
<td>500,000</td>
<td>1,280,000</td>
</tr>
<tr>
<td>Total Solids Removed (gal)</td>
<td>32,000</td>
<td>23,000</td>
<td>55,000</td>
</tr>
<tr>
<td>Total Solids Remaining* (gal)</td>
<td>2,000</td>
<td>2,000</td>
<td>4,000</td>
</tr>
<tr>
<td>Percent of Total Volume Removed (%)</td>
<td>99.7</td>
<td>99.7</td>
<td>99.7</td>
</tr>
</tbody>
</table>

* Based on a qualitative estimate of the remaining solids. Final volume determination will be included in the Closure Module.