Navajo Nation
Unregulated Water Sources
Contaminated with Uranium
% Population Lacking Access to Piped Water

US: 0.60%
Tribes: 12%
Navajo: 30%
2009: $57M for Navajo Water Infrastructure

- Includes $28M of ARRA funds
- Largest single year investment at Navajo, double recent funding levels
- 10,000 homes will benefit
- 1,500 homes will receive first access to safe drinking water, including:

<table>
<thead>
<tr>
<th>Homes</th>
<th>Community</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>Monument Valley</td>
</tr>
<tr>
<td>107</td>
<td>Dennehotso, Greasewood, Baby Rocks</td>
</tr>
<tr>
<td>88</td>
<td>Rock Point North</td>
</tr>
<tr>
<td>71</td>
<td>Torreon Central, Chavez Camp</td>
</tr>
<tr>
<td>62</td>
<td>Defiance</td>
</tr>
<tr>
<td>61</td>
<td>Coppermine Porcupine Mesa</td>
</tr>
<tr>
<td>57</td>
<td>Sawmill NE</td>
</tr>
<tr>
<td>55</td>
<td>Ventana Mesa</td>
</tr>
<tr>
<td>48</td>
<td>Wide Ruins</td>
</tr>
<tr>
<td>48</td>
<td>Cottonwood East</td>
</tr>
<tr>
<td>46</td>
<td>St. Michaels Summit</td>
</tr>
</tbody>
</table>
Water Sources Contaminated with Uranium

- 199 unregulated water sources tested in 2006-2008
- 22 sources exceeded drinking water standards for uranium or other radionuclides
- Many contaminated sources are within the vicinity of regulated public water systems
- NNEPA advises against drinking water from unregulated water sources
Outreach

- Warning signs posted on the 22 contaminated water sources
- NNEPA issued Joint Health Advisory
- NNEPA Circuit Rider provides assistance to residents using unregulated water sources
- NNEPA / DiNEH Project trained community health representatives
- NNEPA / DiNEH Project conducted outreach to chapters, posted signs in chapter houses
- Navajo Times insert with locations of contaminated wells, and where to receive additional information
Agenda

Alternate Water Sources
• Water infrastructure - USEPA, IHS
• Planned regional systems - NNDWR
• Water Hauling Feasibility Study and Pilot Program - NDWR

Water Sampling
• October sampling - NNEPA
• DiNEH Project Eastern Agency activities
• Dine College activities

Questions
NNEPA advises that water haulers use only regulated water hauling points for drinking water.
22 Uranium Contaminated Water Sources

• Are these sources used for drinking water?
  – Yes, according to NNEPA
  – Water hauling homes are within 10 miles the sources

• Is there access to safe water?
  – 14 located along safe public water systems
  – 16 within 10 miles of safe water hauling points

• What causes uranium contamination of water?
  – Naturally occurring or mine related
  – 17 within 10 miles of uranium mines

• Will these sources be closed?
  – Chapter, community decision
  – 2 sources closed
2009 Strategy

• NNEPA, NNDWR, NTUA, IHS, EPA are working together to:
  – Connect homes to safe piped water
  – Improve access to safe water for homes not connected to piped water
• Prioritized 12 of the 22 contaminated water sources
## 2009 Status

<table>
<thead>
<tr>
<th>Community</th>
<th>Federal Funds Provided</th>
<th>Water Hauling Homes Served</th>
<th># Uranium contaminated wells within 10 miles</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Falls</td>
<td>$0.8M</td>
<td>12</td>
<td>4</td>
<td>Completed 09</td>
</tr>
<tr>
<td>Monument Valley, Oljato</td>
<td>$4.6M</td>
<td>128</td>
<td>2</td>
<td>Funded 09</td>
</tr>
<tr>
<td>Dennehotso</td>
<td>$3.6M</td>
<td>107</td>
<td>2</td>
<td>Funded 09</td>
</tr>
<tr>
<td>Sweetwater, Mexican Water, Red Mesa</td>
<td>$5.0M</td>
<td>93</td>
<td>4</td>
<td>Funded 09</td>
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<tr>
<td>Water Hauling Pilot Program</td>
<td>$1.6M</td>
<td>Up to 4000</td>
<td>To be determined</td>
<td>Funded 09</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$15.6M</strong></td>
<td></td>
<td>12</td>
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