(Project Manager) and Julie McIntyre (Site Supervisor)

Key personnel responsible for running the facility include David Crosby

Tecnologies, Inc.

under the FMST contract through Bechtel-Jacobs LLC and American

ORRFT is now being operated by Air Techniques International (ATI)

capability at the Oak Ridge Filter Test Facility

DOE has also decided to implement Quality Product List (QPL) testing

independent HEPA filter testing operations at Oak Ridge

After lengthy debate earlier this year, DOE decided to maintain

facilities - Hanford and Rocky Flats

Subsequently decided to cease operations at the other two

Facilities

Oak Ridge was one of the last three remaining DOE HEPA filter testing

Operational Overview - Oak Ridge Filter Test Facility
**Summary of Filters Tested Since 1996**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Rejected Number</th>
<th>Total Fiscal Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.0%</td>
<td>963</td>
<td>11,980</td>
</tr>
<tr>
<td>15.0%</td>
<td>263</td>
<td>1,754</td>
</tr>
<tr>
<td>1.6%</td>
<td>37</td>
<td>2,362</td>
</tr>
<tr>
<td>3.0%</td>
<td>68</td>
<td>2,305</td>
</tr>
<tr>
<td>3.5%</td>
<td>102</td>
<td>2,916</td>
</tr>
<tr>
<td>18.7%</td>
<td>493</td>
<td>2,643</td>
</tr>
</tbody>
</table>

Note: Filters are rejected at the ORFTE for up to five different reasons.
The biggest consistent cause for filter rejections is excessive aerosol penetration.

Failed visual inspection due to poor workmanship.

(a) First Six-Month Period

<table>
<thead>
<tr>
<th>Year</th>
<th>Damage</th>
<th>Shipping</th>
<th>Discrepancy</th>
<th>P.O./Spec.</th>
<th>Defects</th>
<th>Penetration</th>
<th>Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000(a)</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1999</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>31</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1998</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td>28</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1997</td>
<td>102</td>
<td>16</td>
<td>7</td>
<td>20</td>
<td>59</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1996</td>
<td>493</td>
<td>17</td>
<td>35</td>
<td>70</td>
<td>371</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Summary of Filter Rejections
change-out requirements

- Greater attention is being given overall to the issue of HEPA filter life and
  the fires at Los Alamos mid-year will result in accelerated filter change-outs.
  The fires at Las Alamos has been removed
- The uncertainty over the discontinuance of centralized filter testing at Oak Ridge
  DOE is considering a centralized funding arrangement for this service
- Contractors are not being charged directly for testing

During FY2001, we expect that this trend will continue for several reasons:

<table>
<thead>
<tr>
<th>Total Expected FY2000</th>
<th>3,500</th>
</tr>
</thead>
<tbody>
<tr>
<td>000 Additional to test by 9/30/00</td>
<td>500</td>
</tr>
<tr>
<td>040 In Warehouse as of 8/7/00</td>
<td>040</td>
</tr>
<tr>
<td>697 Tested 4/1/00 - 8/7/00</td>
<td>697</td>
</tr>
<tr>
<td>1,754 (First half FY2000) Tested 10/1/99 - 3/31/00</td>
<td></td>
</tr>
</tbody>
</table>

Significant over 1999, summarized as follows:

During FY2000, the number of filters tested is expected to jump

The Testing Volume AT OREFF is Increasing

OAK RIDGE FILTER TEST FACILITY
The challenge of maintaining 25-year-old equipment has been further compounded by the change-over every year. New equipment must be seriously considered by DOE.

Since February of this year, the ORFF has been shut down for 30-40% of its time due to equipment problems.

- An unexpected outage, power outage resulted in a safety consistent problem and required a new cell.
- The electrostatic precipitator emission control system has been a Penetrometer problem.

- There were problems with the heater and standard relay circuit for the O76.

- With calibration and operational problems, the LA8 laser spectrometers in the HFTS system have been plagued.
- Facility Management Contractor change from Bechtel-Jacobs LLC to AT1 resulted in a shutdown from 2/17/99 to 2/27/00.

FY2000 Challenges in Satisfying DOE Customers
DOE Has Decided To Continue The QPL System

- Early this year, DOE decided to re-institute Quality Products List (QPL) testing after the US Army stopped offering this service last December
- DOE owns QPL equipment, but it is sitting in crates at Lawrence Livermore and has not been used in years - condition uncertain
- In order to co-locate this equipment with the ORFTF, suitable space will need to be located at the Oak Ridge Facility
- The equipment will need to be transported, inspected, installed, and upgraded
- Pricing of the service will need to be established
- All manufacturers providing filters to DOE will need to comply with the QPL requirements

*In order for QPL testing to be re-instituted, installation decisions will need to be made and a project plan with specific timelines will need to be developed*
A lot of great changes have occurred at the ORFETF recently, and more are planned. New processes and new equipment will be developed and approved by the ORP. A aggressive project plan must be developed to achieve a target testing turnaround of 14 days. Improved work processes and new equipment will enable the ORFETF to maintain the old equipment in top condition has been a challenge. Maintaining the old equipment in top condition has been a challenge. New management is streamlining the testing process for increased efficiency. The most consistent cause for filter rejection has been excessive filter testing workload has increased and is expected to stay heavy.

In Summary - ORFETF is Alive and Well!
Any Questions? We are here to serve you.