## Report Documentation Page

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

<table>
<thead>
<tr>
<th>1. REPORT DATE</th>
<th>2. REPORT TYPE</th>
<th>3. DATES COVERED</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 SEP 2009</td>
<td></td>
<td>00-00-2009 to 00-00-2009</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. TITLE AND SUBTITLE</th>
<th>5a. CONTRACT NUMBER</th>
<th>5b. GRANT NUMBER</th>
<th>5c. PROGRAM ELEMENT NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Perspective on New Technology Adoption</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. AUTHOR(S)</th>
<th>5d. PROJECT NUMBER</th>
<th>5e. TASK NUMBER</th>
<th>5f. WORK UNIT NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)</th>
<th>8. PERFORMING ORGANIZATION REPORT NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ogden Air Logistics Center, 809 MXSS/CLA, Hill AFB, UT, 84056</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)</th>
<th>10. SPONSOR/MONITOR’S ACRONYM(S)</th>
<th>11. SPONSOR/MONITOR’S REPORT NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12. DISTRIBUTION/AVAILABILITY STATEMENT</th>
<th>13. SUPPLEMENTARY NOTES</th>
<th>14. ABSTRACT</th>
<th>15. SUBJECT TERMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved for public release; distribution unlimited</td>
<td>ASETSDefense 2009: Sustainable Surface Engineering for Aerospace and Defense Workshop, August 31 - September 3, 2009, Westminster, CO. Sponsored by SERDP/ESTCP.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>16. SECURITY CLASSIFICATION OF:</th>
<th>17. LIMITATION OF ABSTRACT</th>
<th>18. NUMBER OF PAGES</th>
<th>19a. NAME OF RESPONSIBLE PERSON</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. REPORT unclassified</td>
<td>Same as Report (SAR)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>b. ABSTRACT unclassified</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. THIS PAGE unclassified</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Overview

- Projects “from the beginning”
  - DOD Multi-Service
  - The Plan
- Management & Quicker/Cheaper/?Required?
- The Employee-- Ease Of Use –Taste Test-
- We want Success too!!!
- WHAT is Success
- Lessons Learned aka: Oops or Cool
- Conclusion
Projects

- Success will be determined by involvement
  - Everyone
  - Team Effort
  - Keep Informing
  - Multi Service where possible

- Proven technology

BE AMERICA’S BEST
Projects Cont.

- Vendors—Application—Field Repair—Disposal
  - Vendors
    - Supply—batches—on time—etc.
  - Application
  - Field Repair
  - Disposal
  - Cost

- Once again Team Effort

Cradle to grave view point

BE AMERICA’S BEST
The Plan aka “road map”

- **Engineering**
  - Life Expectancy
  - Historical Data
  - Technical Orders
  - No “one size fits all”

- **Maintenance**
  - Ease of use
  - Repairability

- **Leadership**
  - Motivation
    - Quicker Cheaper Required

"BE AMERICA’S BEST"
Management

- Production Facility
- OSHA, EPA, State or local Requirements
  - We will Follow requirements
  - No one wants fines etc.
- Implementation Time
  - Proper research been done
  - For the most part we can’t afford research at Depot Level – that’s “AFRLs calling”
- Theories
  - Brick wall, if it ain’t broken…etc.
- Quicker—Cheaper--Required
Management/Employee

- Demonstration/Validation?
- Do those involved like it?
- Does Management like it?
- Can the Field Repair it?
- Can your waste treatment facility treat it?
- Cost!!!!!
Employee

- Do they like using the new technology

- Are Employees safer?
  - Environment—Senses
    - Taste—Smell—Hear—See—Touch—
Success

- We actually would like the projects to be successful too!!
  - Better environment to work and live in

- Don’t be surprised at low success rates
  - Our Forefathers used the best they had to work with replacing it in some cases won’t be easy but may be necessary

- We are always improving and learning

- Time the true test
What is success

- Removal or reduction of Chromium, Cadmium
- Etc.

- We have a mission to complete
  - How good do we need to be?
    - How long are we going to have the systems?
    - Mission Requirements

- Determination and Perspiration
  - Penicillin—Alexander Fleming
  - Computers version 1 thru ???????

—science and technology is forever evolving, changing and improving—
Lessons Learned

- Publish results
  - Positive or Negative
    • Maybe it has another application

- Sometimes things just won’t transition
  - Not necessarily a bad thing
  - Positive or negative we learn and learn and learn
Questions

Wayne Patterson
809 MXSS/CLA
Hill AFB, Utah
DSN 775-2992
Com. (801)775-2992
wayne.patterson@hill.af.mil