**Corrosion Control Annistan Army Depot**

**Report Documentation Page**

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   - Anniston Army Depot, #7 Frankford Rd, Anniston, AL, 36203

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15. **NAME OF RESPONSIBLE PERSON**

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*Standard Form 298 (Rev. 8-98)*

Prescribed by ANSI Std Z39-18
ON-GOING ACTIONS

Ongoing Coatings Actions:
- Oil/lube select parts.
- Anodize, Chrome, and Black Oxide (et.al.).
- Substrate Prep and CARC paint.

Ongoing Stowage Actions:
- Climate controlled storage (limited).
- Weather resistant (rain, uv) stowage.
- Right Material – Right Time
In Process Actions

- **Bldgs 129 and 114**
  - Installation of new cleaning technologies for small arms overhaul and plating operations that incorporate rust inhibition into final stage.

- **Bldg 409**
  - ‘Single Piece’ flow through Bldg 409.

- **Paint Application**
  - Advent of Automated Proportioners (eliminate hand mixing of two component coatings).
Components pass through ‘dirty’ processes multiple times prior to paint.

Single Piece Flow (Degrease – Stripping – Blasting – CARC Coating)
Wheeled Vehicle Re-set Facility

Automated Wash Rack

Dehydration

Prep Area

CARC Application

Flash-Off Oven

De-mask and Anti-Corrosion App.
Planned Future Actions

**Survey**
- Perform a corrosion survey to assess impact of corrosion on depot activities and identify opportunities to reduce corrosion.
- Analyze data and prioritize those actions that will yield the greatest impact for corrosion prevention.

**Routing**
- Evaluate parts staging procedures to determine if parts routing optimization can minimize corrosion.

**Stowage**
- Evaluate need for improved infrastructure for parts stowage and staging.
## Planned Future Actions Continued

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| • Evaluate the benefits of applying corrosion inhibitor to the finished product prior to delivery to customer.  
  • Implement advanced cleaning system incorporating corrosion inhibitors to replace Building 409 solvent cleaning. | • Evaluate quality of supply water for aqueous based processes and determine if water polishing can reduce corrosion. | • Establish Corrosion Prevention mind-set and work practices internally as a function of Lean Manufacturing and Environmental initiatives. |
Challenges

- **Resources**
  - Limited funding.
  - Limited manpower.

- **Technical Assistance**
  - For cleaning systems design, wash rack optimization and water polishing requirements.
  - For data collection, data review, interpretation and reporting.

- **Infrastructure**
  - Limited space.
  - Proper environmental controls for corrosion prevention.
Challenges Continued

- Receiving information from the customer on corrosion issues in the field.
- Internal communication on what changes and initiatives are being made at ANAD.