



# **Environmental Compliance Awareness Training (ECAT)**

ATTACHMENT #4

# Environmental Compliance Awareness Training

This general awareness training is provided by the Industrial Environmental Division (code 6.3.5) and is intended to introduce you to FRCSE's environmental programs for compliance, pollution prevention, and best management practices.

For additional information on a specific environmental area or program, refer to the 6.3.5 Point of Contact list at the end of this presentation.



# Environmental Program Areas

1. **FRCSE Environmental Policy Statement**
2. **Emergency Response Procedures for Oil and Hazardous Substance Release Spill Incidents**
3. **Hazardous Waste/Material & Used Oil Management**
4. **Solid Waste/Recycling Management**
5. **Air Quality Program**
6. **Petroleum Storage Tank Management**
7. **Storm Water/Wastewater Programs**
8. **Environmental Management System**



# 1. FRCSE Environmental Policy Statement



## Special Message from the Commanding Officer

No. 15-08

20 July 2015

### *Environmental Policy Statement*

We at Fleet Readiness Center Southeast (FRCSE) are committed to protecting the environment while repairing, modifying, and overhauling designated airframes, engines, and components at a competitive price. As an aviation maintenance repair and overhaul facility, owned and operated by the Department of Defense, we consider environmental stewardship to be of equal importance to safety, quality and productivity.

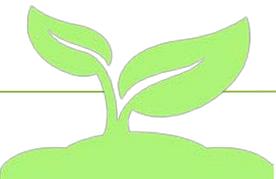
We demonstrate our environmental policy through our commitment to the following three environmental guiding principles:

- **Environmental Compliance:**
  - Comply with all applicable legal and other requirements that relate to the environmental aspects of our activities.
- **Environmental Sustainability and Pollution Prevention:**
  - Support environmental sustainability through resource conservation and pollution prevention by reducing or eliminating pollutants generated from processes associated with our environmental aspects within economic and technology limitations.
- **Continual Improvement to the FRCSE Environmental Program:**
  - Achieve documented and measurable improvements to reduce material use, reduce waste and conserve water and energy resources.

It is the responsibility of all FRCSE military personnel, civilian employees, and contractors to actively participate in our commitment to protect the environment in which we live and work.

C. M. STUART

All FRCSE employees and contractors must be familiar with the environmental policy



## 2. Emergency Response Procedures for Oil and Hazardous Substance Release Spill Incidents

### *FRCSE Level III Personnel Responsibilities:*

- Stay informed on Environmental regulations and requirements.
- **Use care and caution** to prevent Oil and Hazardous Substance (OHS) spills in your area.
- Be prepared to respond to a minor OHS spill in your shop.
- Shop supervisors will complete an OHS Spill Report FRCSE 5090/9, for spill incidents in their shop and forward to the Environmental Division.
- POC: Jacob Deeb 790-5099



## 2. Emergency Response Procedures for Oil and Hazardous Substance Release Spill Incidents

### NAS Jax

### Cecil Field

### Mayport

FRCSE at NAVAL AIR STATION JACKSONVILLE

#### SPILL PLAN FOR OIL & HAZARDOUS SUBSTANCES

**MINOR SPILL:** No injury to personnel and less than 5 gallons. Spill is non-hazardous (i.e. used oil, hydraulic fluid, etc.), or hazardous and is an incidental release that does not impact the environment or cause an imminent health or safety hazard to employees, and can be controlled and cleaned-up by shop personnel who are trained to use, manage, and dispose of the material.

1 - CONTROL AND CLEAN-UP SPILL "IF SAFE TO DO SO"

2 - NOTIFY AREA SUPERVISOR IF POSSIBLE

IF MINOR SPILL CANNOT BE HANDLED BY SHOP PERSONNEL, FOLLOW STEPS FOR A MAJOR SPILL

**MAJOR SPILL:** May include injury to personnel and/or 5 gallons or greater. Spill is hazardous or non-hazardous (i.e. JP-5, used oil, etc.), has been released outside/to the environment or to storm drains, or cannot be controlled by shop personnel.

1 - CALL 911 (BASE PHONE ONLY) TO NOTIFY NAS FIRE DEPARTMENT  
"RESCUE INJURED ONLY WHEN SAFE"

2 - CLEAR AREA & CALL SECURITY 790-5392 TO REPORT SPILL

3 - NOTIFY AREA SUPERVISOR IF POSSIBLE

4 - STAND BY IN SAFE AREA TO MEET RESPONSE PERSONNEL (PROVIDE SAFETY DATA SHEET FOR ITEM SPILLED TO RESPONSE PERSONNEL)

WHETHER MINOR OR MAJOR, ALWAYS CALL THE FRCSE INDUSTRIAL ENVIRONMENTAL DIVISION (CODE 635) AT 790-4543 TO INFORM THEM OF THE SPILL

#### SPILL PLAN FOR OIL & HAZARDOUS SUBSTANCES

**MINOR SPILL:** No injury to personnel and less than 5 gallons. Spill is non-hazardous (i.e. used oil, hydraulic fluid, etc.) and the spill can be controlled and cleaned-up by trained shop personnel. This includes incidental spills (i.e. small bottles of material and oil products) where shop personnel are trained to use, manage, and dispose of the product.

1 - CONTROL AND CLEAN-UP SPILL "IF SAFE TO DO SO"

2 - NOTIFY SUPERVISOR TO CALL JAA AOCC 741-2040 TO REPORT SPILL

IF MINOR SPILL CANNOT BE HANDLED BY SHOP PERSONNEL, FOLLOW STEPS FOR A MAJOR SPILL

**MAJOR SPILL:** May include injury to personnel and 5 gallons or greater. Spill is hazardous or non-hazardous (i.e. JP-5, used oil, etc.) and cannot be controlled by shop personnel.

1 - CALL 911 IF PERSONNEL ARE INJURED "RESCUE INJURED ONLY WHEN SAFE"

2 - CLEAR AREA & CALL SECURITY H880 317-5513 OR H1845 317-5600 TO REPORT SPILL

3 - NOTIFY SUPERVISOR TO CALL JAA AOCC 741-2040 TO REPORT SPILL. JAA WILL COORDINATE EFFORTS WITH JAX JETPORT 317-6550 IF REQUIRED.

4 - STAND BY IN SAFE AREA TO MEET RESPONSE PERSONNEL

ALWAYS CALL FRCSE INDUSTRIAL ENVIRONMENTAL DIVISION (CODE 635) AT 790-4543 TO INFORM THEM OF THE SPILL

#### FRCSE LEVEL III OHS SPILL EMERGENCY RESPONSE ACTION PLAN ABOARD NS MAYPORT

1 - CLEAR AREA

2 - RESCUE INJURED ONLY WHEN SAFE

3 - **CALL 911**  
INFORM NS MAYPORT FIRE DEPARTMENT OF THE SPILL AND PROVIDE DETAILS AS REQUESTED

4 - **CALL MAYPORT ENVIRONMENTAL AT 270-6816** TO REPORT THE SPILL

5 - STAND BY IN SAFE AREA TO MEET RESPONSE PERSONNEL

CALL FRCSE ENVIRONMENTAL AND ENERGY PROGRAMS DIVISION (CODE 65300) AT 790-4543 TO INFORM THEM OF THE SPILL

FOR FIRE, SMOKE, and/or SERIOUS INJURY:  
PULL FIRE ALARM

Emergency Spill Action Plans are available on  
My NAVAIR under "All Hands"

### 3. Hazardous Waste/Material & Used Oil Management

- A “hazardous waste” is a waste that is either characteristic (ignitable, reactive, corrosive, or toxic) or listed by the EPA as posing a threat to human health or the environment.
- All personnel must know what waste they generate and how to properly manage and dispose of the wastes.
- The Environmental Office works with the shops to identify process generated wastes and assigns waste profiles.
- Environmental Operations at Building 101R provides properly labeled containers for accumulating the wastes. *Example:*

- POC: Jenna Perry 790-4884

**Hazardous Waste**  
NAVAL AIR STATION JACKSONVILLE  
6800 ROOSEVELT BLVD  
JACKSONVILLE, FL 32212-6007

Container: 63771  
Accumulation Start Date:

Hazard Class: 9  
UNNA # NA3077 Pack Group: III

Contents: PROCESS AND/OR CLEAN-UP DEBRIS (HAZARDOUS)  
Components: PROCESS-RELATED DEBRIS; METAL FINES, RAGS, WIPES/WOOLS, SOLID

Profile: J282  
Collection Site: 24C  
Location: 62332 SMALL SURFACE SHOP  
Contact: RUTH HATHCOCK  
Contact Phone #: (904) 790-4871  
EPA ID #: FL617002412

EPA Codes: 2990, 2996, 3002, 3008, 3011, 3091, 3092  
Physical State:  Solid  Liquid  Gas  
Hazardous Properties:  Flammable  Toxic  Corrosive  Reactive  Other \_\_\_\_\_

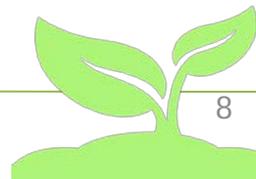
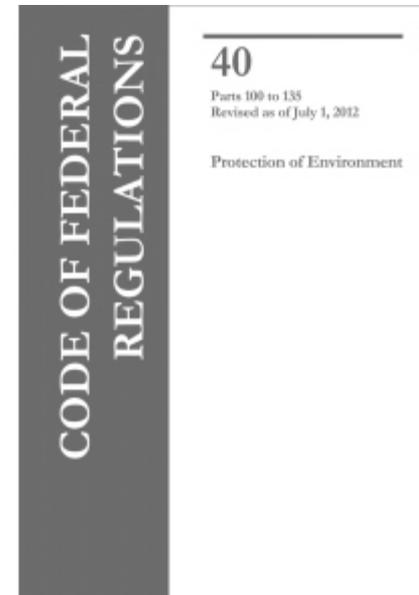
See and Federal Law Prohibit Improper Disposal. If found, contact the nearest police or public safety authority or the United States Environmental Protection Agency.



### 3. Hazardous Waste/Material & Used Oil Management

## *Hazardous Waste Regulations*

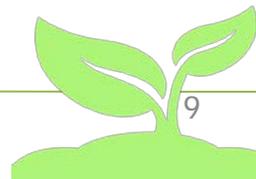
- Regulations for waste management protect human health and the environment.
- Applicable Federal regulations include:
  - 40 CFR (Environmental Protection Agency)
  - 49 CFR (Department of Transportation)
  - 29 CFR (Occupational Safety and Health)



### 3. Hazardous Waste/Material & Used Oil Management

#### *Why Must We Comply with HW Regulations*

- **It's the law and we are bound to abide by it.**
- **It's the right thing to do to safeguard both the health of our workforce and the environment.**
- **It's a business imperative. Fines are costly (i.e. FRCSE incurred \$641,000 in fines since 2003).**
- **Each inspection that identifies violations also requires an immense amount of human resources to address.**
- **Our reputation is damaged which could impact our ability to attract new work and maintain our standing as a world class aviation maintenance facility.**



### 3. Hazardous Waste/Material & Used Oil Management

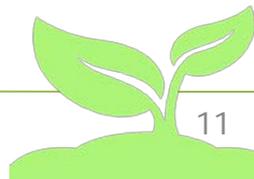
#### *Used Oil*

- **Used Oil is any oil that has been refined from crude oil or synthetic oil and, as a result of use, storage, or handling, has become contaminated and unusable for its original purpose due to the presence of physical or chemical impurities or loss of original properties.**
- **Oil mixed with antifreeze , kerosene, or hazardous waste is NOT used oil.**
- **Examples of used oil are: used motor oil, used hydraulic and transmission fluid, used petroleum-based calibration fluid and lubricants, etc.**



### 3. Hazardous Waste/Material & Used Oil Management

- **Shops that collect used oil and filters at FRCSE should do the following:**
  - Use a Department of Transportation (DOT) approved container or tank.
  - Use secondary containment when storing used oil containers. Also, properly mark container and drip pans with **“Used Oil” marking**.
  - Transfer used oil into container safely.
  - Ensure that only used oil is placed into container and all containers intended for used oil collection are kept clean.
  - Used oil container lids should be kept secure when not in use, and containers should be monitored to prevent overfilling and no leaks or drips present.
  - Use FRCSE Form 5090/59, Used Oil Generator Monthly Checklist and forward to the Industrial Environmental Division no later than the 20th of each month.
- **POC: Greg Ard 790-4114**



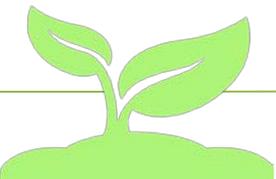
## 4. Solid Waste/Recycling Management

- **Solid Waste** is any discarded material (solid, liquid, or gas) that is no longer usable for its intended purpose. Solid waste includes aircraft canopies, ductwork/ piping, plant equipment, and structural and electrical components.
- **Recycling** is a process of re-using a given product (beyond its intended use), or producing a new product from a recyclable material. Examples are cardboard, aluminum cans & plastic bottles, office paper, wood, and scrap metal.
- POC: Terry Taylor 790-5185



## 4. Solid Waste/Recycling Management

- **Scrap Material Management Procedures**
  - All industrial scrap material are recycled via the Defense Logistics Agency (DLA). Building 125 Service Maintenance Scrap Yard personnel pick up material from areas throughout the FRCSE, process, and deliver to DLA.
  - Discarded scrap material from FRCSE processes are collected and identified as "SCRAP."
  - Cover items stored outside to prevent storm water contamination and accumulation of water in openings.
  - **DO NOT drop off scrap material without prior approval from Scrap Yard.** POC: Earl Birdsall, 790-6498 or Charles Miller, 790-6330.



## 5. Air Quality Program

### *Air Compliance*

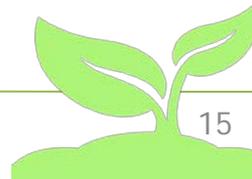
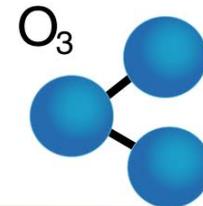
- Regulated processes – **FRCSE Must Comply** with all Reporting, Recordkeeping, Testing and Monitoring Requirements
- Regulated processes at FRCSE include Painting, Depainting, Solvent Cleaning, Plasma Spray, and Hard Chromium Electroplating.
- NASJAX operates under a Title V Air Operating Permit which identifies recordkeeping, reporting, testing, and monitoring requirements for all regulated processes. All FRCSE regulated emission units are listed in this permit. The Title V Permit is federally enforceable (non-compliance can result in regulatory action by the EPA).
- Compliance with air pollution standards is primarily met utilizing the following 2 methods:
  - Add-on air pollution control devices such as cartridge dust collectors, paint filtration systems, or air scrubbers
  - Utilizing compliant materials (for example, solvent limited paints and primers, low vapor pressure solvents, and paint strippers that do not contain methylene chloride).
- POCs: Scott Berner 790-5314  
Greg Ard 790-4114



## 5. Air Quality Program

### *Ozone Depleting Substance (ODS) Program*

- These substances deplete the ozone layer, posing a serious threat to the earth's climate. ODS are typically used in refrigeration systems, aircraft fire-fighting systems, and some solvent use applications. Phase out of these chemicals has been in progress over the past 25 years.
  - Refrigeration equipment can be replaced or retrofitted with equipment that contains a refrigerant that poses little or no harm to the ozone layer.
  - Aircraft fire-fighting systems that utilize Halon remaining use until a suitable replacement can be found
  - Solvent cleaning operations utilizing ODS are rare, and are being phased out by utilization of solvents or cleaning processes that do not use ODS solvents.
- Only EPA-certified technicians can maintain/repair equipment with ODS substances. Precautions must be implemented to recover refrigerants and reduce venting of these substances to the atmosphere.
- POC: Scott Berner 790-5314

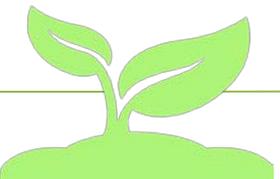


## 6. Petroleum Storage Tank Management

- **Report** the following deficiencies in petroleum storage tanks and piping:
  - Drips or Leaks
  - Spills
  - Rusts/Corrosion
  - Any Alarms or Warning lights
- **POC: Jacob Deeb 790-5099**



Petroleum Storage Tank 770-1A located on southeast end of Kemen Test Cell



## 7. Storm Water/Wastewater Programs

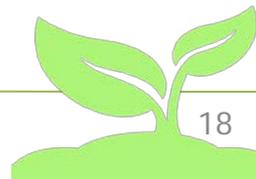
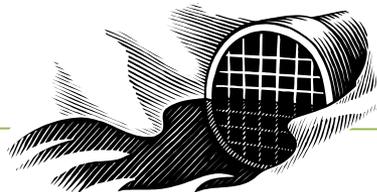
### *Storm Water*

- Defined as **rainwater** that washes over roads, parking lots, landscaped areas, industrial plants, etc.
- Any water runoff can end up as pollution in a nearby water body (i.e. St. John's River).
- Pollution can be in the form of litter/debris, chemicals, soaps/oils, fluid leakage from aircraft/ground vehicles, etc...
- Storm water pollution can cause fish kills, harm vegetation and wildlife, and may even contaminate drinking water supplies.
- Anything that ends up in the storm water drainage system other than clean storm water runoff is an **ILLICIT DISCHARGE** and is **STRICTLY PROHIBITED**.



## 7. Storm Water/Wastewater Programs

- The Storm Water Pollution Prevention Program, or SWPPP, is a requirement imposed by the US EPA to ensure operations are in compliance with the provisions outlined in the Clean Water Act and the Safe Drinking Water Act.
- FRCSE SWPPP strictly enforces adherence to our National Pollutant Discharge Elimination System permit (NPDES) established for activities conducted on our facility. This is accomplished through good housekeeping and activity-specific Best Management Practices.
- As a rule of thumb:
  - **No Dumping, Draining, Dripping, Pouring, or Leaking of anything into storm drains!!!**
  - While working at FRCSE, you are expected to use Best Management Practices (BMPs) and good housekeeping to ensure that our facility remains in compliance with the established SWPPP.



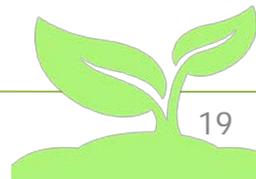
## 7. Storm Water/Wastewater Programs

### *Wastewater*

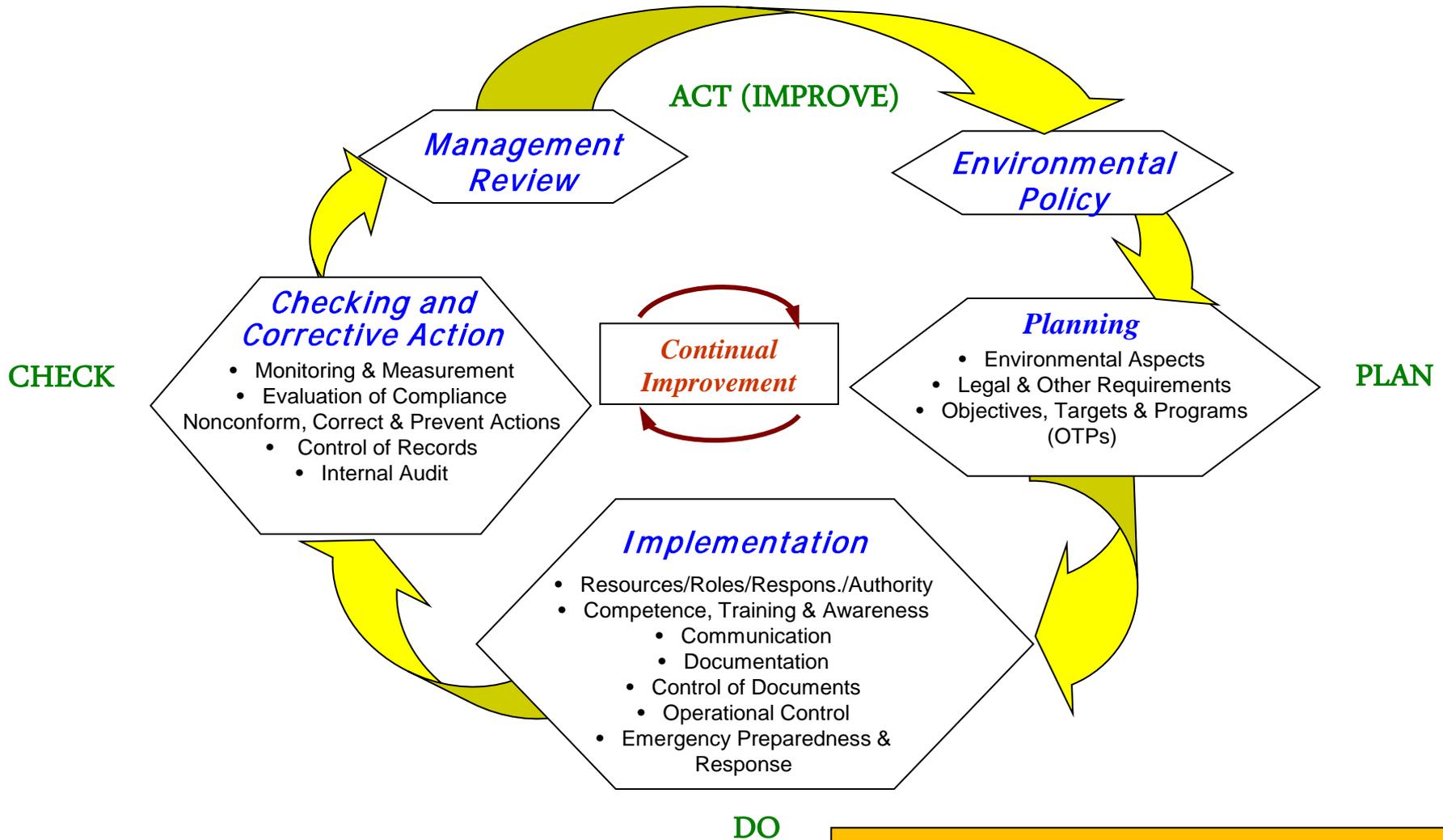
- Wastewater is "produced" (not naturally occurring) water that comes from domestic, industrial or process sources.
- Wastewater at FRCSE is treated and managed in accordance with the NPDES Permits issued by the Florida Department of Environmental Protection (FDEP).
- Typical Industrial Wastewaters produced at FRCSE include rinse waters from electroplating operations, wastewater from aircraft stripping, and rinse water from cleaning equipment/cleaning operations.
- **All industrial wastewaters must be reviewed by the Environmental Division, prior to discharge.**
- POC: **Scott Berner 790-5314**  
**Daydah Oninku 790-5228**



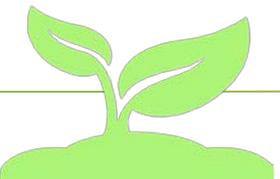
Building 794  
plating rinse  
tank



# 8. Environmental Management System



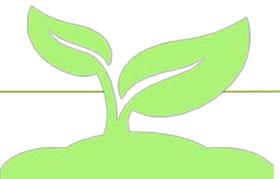
**Note: This complies with ISO 14001:2004 standard**



## 8. Environmental Management System

### FY16 Environmental Objectives & Targets:

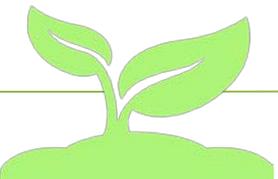
- OT&P #1: Reduce IWTP Hazardous Material use, Hazardous Waste generation, & Potable Water usage by 50% from 2012 baseline. Interim Fix ECD Mar 2016. IWTP Upgrade ECD Jan 2017
- OT&P#2: Eliminate Cadmium Plating (except on threaded fasteners & couplings) by implementing Zinc-Nickel Plating capability. Establish production capability by May 2016
- OT&P#3: Eliminate Silver Cyanide Plating by implementing Non-Cyanide Silver Plating capability. Establish production capability by Jan 2016
- OT&P#4: Reduce the use of Chromated Primers by implementing the use of Non-Chromated Primers on P-3 and Trainer aircraft by 100%. Establish production capability by Sept 2016



## 8. Environmental Management System

### *Pollution Prevention*

- **Key Points:**
  - **Eliminate or reduce pollution at the source.**
  - **Recycle materials and waste streams.**
  - **Dispose properly of waste material generated.**
- **Key Benefits:**
  - **Save money.**
  - **Improve environmental compliance by eliminating generation of potential pollutants.**
  - **Eliminate/reduce hazardous waste/materials to increase workplace safety.**
- **POC: Jacob Deeb 790-5099**



# Industrial Environmental Division (6.3.5) Point of Contact List

Contact	Number	Program
Henry Pape	790-5271	Director
Jeannie Reinhart	790-4887	Administrative Support
Scott Berner	790-5314	Manager of Air Quality, Industrial Wastewater
Greg Ard	790-4114	Used Oil Manager, Hazardous Materials and Air Quality Support
Terry Taylor	790-5185	Solid Waste/Recycling Manager, Air Quality Support
Jenna Perry	790-4884	Hazardous Waste Manager
Kia Gurley	790-4970	Hazardous Materials and Hazardous Waste Program Support
Stephanie Bunnell	790-4841	Hazardous Materials and Hazardous Waste Program Support
James Garlington	790-4500	Hazardous Materials and Hazardous Waste Program Support
Ernie Mattison	790-5056	Hazardous Materials and Hazardous Waste Program Support
John Gates	790-5013	Hazardous Materials Program Manager
Alvin Williams	790-5357	Hazardous Materials and Hazardous Waste Program Support
Angelia Evernden	790-5142	Hazardous Materials Shelf Life Coordinator
Jacob Deeb	790-5099	EMS/P2 Manager, Tank Manager, Spill Preparedness/Prevention
Daydah Oninku	790-5228	Stormwater, Drinking Water Program
Steven Shirah	790-4373	Environmental Operations Manager
Harry Jarrell	790-4969	Hazardous Materials and Hazardous Waste Program Support

