Implementation of the Air Program Information Management System (APIMS) Inspection Module

2009 Environment, Energy and Sustainability Symposium and Exhibition
**Implementation of the Air Program Information Management System (APIMS) Inspection Module**

**Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 4-7 May 2009 in Denver, CO.**
OUTLINE

1. What Is APIMS?

2. Hill AFB Background

3. The APIMS Inspection Module
   – Feature Overview
   – Minimizing Risk and Cost
   – Maintaining Accurate and Complete Information
   – Detailed Features
   – Accessing Data/Performing Tasks

4. Summary
WHAT IS APIMS?

> Managing compliance-related information is often challenging
  
  – Multiple, sometimes overlapping regulations
  
  – Establishment of procedures for assessing compliance
  
  – Extensive recordkeeping requirements

> The APIMS inspection module simplifies the process
WHAT IS APIMS?

> Automated, web-based system for managing air quality compliance data

> Used at over 60 U.S. Military installations

> Complies with all AF IT security requirements
WHAT IS APIMS?

Source Category
- Parameters
- Emission Factors
- Build Algorithm
- Define Algorithm

Unique Process

Chemical Data
- Material Product
- Material Issues

Emission Units
- Equipment
- Stacks
- Tanks
- Controls

Regulatory Compliance
- Regulatory Documents
- Applicable Requirements
- NESHAP
- Checklists
- Inspections

Annual Air Emission Inventory

Compliance

Air Management Tool
- Data Manipulation
- Custom Reports
HILL AFB BACKGROUND

Hill AFB—a Large Facility:

Main Base: 6,600 acres
UTTR: 1,000,000 acres (11,000,000 acres of military operating space)
The APIMS Inspection Module Offers:

> Web-based compliance management for environmental protocols (e.g. Air, hazmat, hazwaste, etc.)
  – Monitoring
  – Recordkeeping
  – Reporting

> Inspection frequencies and results

> Inspectable source/process/equipment inventory lists

> Process-specific inspection checklists

> Customizable reports
The APIMS Inspection Module Offers, Cont’d:

> Automatic email notifications of deviations and other actions performed in the system
> Release limits
> Consumption/usage data
> Rolling totals
> Corrective action tracking
> Trend analyses
> Default user preferences
> User workbaskets
APIIMS INSPECTION MODULE:
Minimizing Risk and Cost

APIIMS Inspection Module Reduces Risk by:

> Maintaining accurate and complete information
  – Requirements
  – Processes and equipment
  – Checklists

> Managing audits
  – Routine/non-routine

> Daily monitoring of organization inspections
  – Prompt corrective action
  – Ensure required inspections completed
APIMS INSPECTION MODULE:
Minimizing Risk and Cost

Results:

> Reduced time required to manage inspections by over 70%
  (5,000 to 1,400 hours)

> Reduced air quality permit deviations (alone) by 80%
APIMS INSPECTION MODULE:
Maintain Accurate and Complete Information

Checklist Management:

> Centralized inspection checklists for each process

> Ensures correct monitoring and recordkeeping as regulatory requirements
APIMS INSPECTION MODULE:  
*Detailed Features*

**Inspection Management:**

> Inspection records
  - Data entered via inspection checklist screen
  - Regulatory conditions that were met/violated are included
  - Corrective actions are recorded and tracked

> System can be configured to
  - Generate inspections
  - Route inspection through workflow
> Auto-generated emails notify affected parties of inspection results
   – Increases visibility
APIMS INSPECTION MODULE:

Detailed Features

9 Types of Customizable Reports:

- Inspect Complete
- Inspect Complete (Spot)
- Inspect Findings
- Inspect In Progress
- Inspect Remain
- Inspect Remain and Complete
- Inspect Summary
- Inspect Summary Prct Complete
- Source List

- Functional Area:
  - SAFETY
  - AIR QUALITY
  - HAZARDOUS MATERIALS
  - HAZARDOUS WASTE

- Facility: ALL
- Frequency: ANNUAL
- Period: Current
- Start Date: 1/1/2009
- End Date: 12/31/2009

- Organization:
  - 30SMXW
  - 38FW
  - 41FW
  - 526ICBMSW
  - 75ABW

- Sub Organization:

- Select All
- Clear All
- Populate Sub Orgs
- Delete Sub Orgs

Show Report
APIMS INSPECTION MODULE:
Accessing Data/Performing Tasks

> Wide array of filtering criteria allow users to access very precise data without need for manual manipulation
  - Filter on multiple criterion including event dates, equipment ID, environmental media type (e.g. air, waste, etc.), owning organization, user, etc.
> Workbasket and default user settings enable users to access pertinent data quickly
  – Workbasket shows inspection items specific to a user
  – Default user settings reduce need to filter data manually
SUMMARY

The APIMS Inspection Module:

> Reduces risk

> Complies with AF IT security requirements

> Is comprehensive
  
  – Monitoring, recordkeeping, reporting for air, hazmat, and hazwaste

> Offers highly-tailored data filtering capabilities

> Includes advanced user default settings
Steve Rasmussen
75ABW/CEG/CEVC
(801) 777-0359
Steve.Rasmussen@hill.af.mil

David Hansell
EM-Assist, Inc.
(801) 775-6902
DHansell@EM-Assist.com