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

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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
- 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
APIMS INSPECTION MODULE:  
Feature Overview

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
APIMS INSPECTION MODULE: Minimizing Risk and Cost

APIMS 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
APIMS INSPECTION MODULE:
Detailed Features

> Auto-generated emails notify affected parties of inspection results
  – Increases visibility
9 Types of Customizable Reports:
> 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