



Fort Belvoir Compliance-Focused EMS

**E2S2 Symposium Session 10082
June 16, 2010**

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Our Mission

Provide equitable, effective, and efficient management of Fort Belvoir to support mission readiness and execution, enable the well-being of Soldiers, civilians, and family members, provide quality installation support and services to our customers, and, promote and enhance community well-being.

EXCELLENCE THROUGH SERVICE



Fort Belvoir Overview

- Headquarters to multiple Agencies
- Home to over 100 tenant and satellite organizations and facilities
- Fort Belvoir's Mission - provide administrative and logistical support
- Number of employees approximately 22,000 (estimated 44,000 after BRAC)
- Approximately 8,600 acres
- Size, structure and decentralized nature of population cause significant challenges



ENRD Overview

- Environmental and Natural Resources Division within the Directorate of Public Works
- Responsible for protecting natural resources, maintaining environmental compliance and implementing Federal, State and local sustainability and environmental requirements and programs throughout the Fort Belvoir community
- Three Branches
 - Environmental Compliance
 - Natural Resources
 - Training
- Approximately 35 employees



EMS Background

- Formal EMS was implemented to conform with Army EMS implementation approach and comply with Executive Orders
- Primary focus to support the execution of the Belvoir Mission and ensure operational sustainability
- Developed formal processes for:
 - identifying environmental issues
 - managing and mitigating environmental risks
 - communicating key information throughout the Belvoir community
 - improving compliance



EMS Background

- Key consideration: State of VA Consent Order in September 2007 related to Clean Air Act recording and reporting violations
- CO included requirement to implement an environmental tracking software package
- Software requirement helped justify funding and procurement of an off-the-shelf product to support the Fort Belvoir EMS



Software approach: EMSOLUTION[®]

- Web-based EMS on Belvoir computer network: functions as installation's 'EMS Portal'
- Environmental compliance program information management and communication - policies, procedures, plans, standards, requirements, etc.
- Procedures and tools are aligned with the requirements of ISO 14001, Executive Orders and Army EMS guidance
- Compliance assurance: Management of compliance program information, including compliance requirements and tasks with compliance calendar
- EPAS process can be integrated
- Automation of NEPA project reviews and determinations



Technology Overview



- Resides on Army computer network
- Army Certificate Of Networthiness (CON)
- Microsoft SharePoint-based website
- ASP.NET web applications with Microsoft SQL database backend
- CAC/Windows AD authentication
- Content owners and viewers access with web browser
- Role-based application behavior and user groups



Implementation Approach

- Phased implementation of EMS platform and database modules – EMS, Compliance Tracker, NEPA, Incident
- Planning
 - Identify key needs from environmental program managers, including integration of existing EMS information and systems
 - Solicit input from tenant user representatives on design and functionality needs
 - Work with DOIM representatives to ensure access by base “customers” and tenant organizations



Implementation Approach

- Install and Customization
 - Work with DOIM to configure server environment and install modules
 - Belvoir-specific customization
 - Population with existing program information
- Training
 - Super-user application management training
 - Content management training for environmental program managers
 - Roll-out training to key tenant organizations



- Customization Support
 - Hands-on customization training for key content managers
 - Customize environmental program pages
 - Further develop tenant home pages
 - Add requirements and tasks to Tracker database
- Optional Annual Support
 - GIS integration
 - Develop additional features and capabilities



Demonstration

★ ENRD Tracker - My Tracker Home

ENRD Home Compliance Tracker Incident Manager NEPA Manager

Fort Belvoir
Environmental and Natural Resources Division

Add ▾ | My Home | My Profile | Reports ▾ | Search | Administration ▾

My Tracker Home

My Items | My Calendar | Manage Items

Tasks Assigned To Me (click to expand)

Organization Task Assignments

☒ Filter: Paging: PaginatedAny | Active | Any User | Any program selection | Any Organizational Unit

ID	Created On	Task description	Activity type	Organizational unit	Created by	Assigned to	Status	Due date	
2009-0015	08-DEC-09 14:04	Submit Generator Hours		Prime Power School	Hickey, Travis C. [travis.hickey]	Lease, Kelly E.	Active	Recurring	View
2010-0001	20-JAN-10 09:31	Submit Semi-Annual Report to DEQ for fuel used at buildings 332 and 1422.	Reporting	Environmental & Natural Resources Division	Hickey, Travis C. [travis.hickey]	Lease, Kelly E., Sheehan, Gerald J. Jr	Active	Recurring	View
2010-0002	20-JAN-10 10:11	Submit Title V Semi-Annual Monitoring Report		Environmental & Natural Resources Division	Hickey, Travis C. [travis.hickey]	Lease, Kelly E., Sheehan, Gerald J. Jr	Active	Recurring	View
2010-0003	20-JAN-10 14:34	Submit Annual Compliance Certification to VADEQ and EPA.	Reporting	Environmental & Natural Resources Division	Hickey, Travis C. [travis.hickey]	Lease, Kelly E., Sheehan, Gerald J. Jr	Active	Recurring	View
2010-0004	20-JAN-10 15:36	Submit FB North Area Annual Emission Update to DEQ	Reporting	Environmental & Natural Resources Division	Hickey, Travis C. [travis.hickey]	Lease, Kelly E., Sheehan, Gerald J. Jr	Active	Recurring	View
2010-0005	20-JAN-10 17:17	Submit Title V Emission Statement/Fees	Reporting	Environmental & Natural Resources Division	Hickey, Travis C. [travis.hickey]	Lease, Kelly E., Sheehan, Gerald J. Jr	Active	Recurring	View



Demonstration

ENRD Tracker - View Task Information

ENRD Home Compliance Tracker Incident Manager NEPA Manager

Fort Belvoir
Environmental and Natural Resources Division

Add | My Home | My Profile | Reports | Search | Administration

My Tracker Home

My Items My Calendar Manage Items

☒ Filter: My Tasks | Any program selection | Any Organizational Unit

Legend: Pending | Completed | Past Due | Could Not Complete

May		June 2010					July	
Sun	Mon	Tue	Wed	Thu	Fri	Sat		
30	31 Perform a weekly inspections of all Cold Solvent...	1	2	3	4	5		
6	7 Perform a weekly inspections of all Cold Solvent...	8	9	10	11	12		
13	14 Perform a weekly inspections of all Cold Solvent...	15	16	17	18	19		



Demonstration

★ ENRD Tracker - View Task Information

ENRD Home Compliance Tracker Incident Manager NEPA Manager

Fort Belvoir
Environmental and Natural Resources Division

Add | My Home | My Profile | Reports | Search | Administration

View Task Information

Summary Status History

ID:
2010-0008

Description:
Perform a weekly inspections of all Cold Solvent Degreasers

Organizational Unit:
Environmental & Natural Resources Division

Timeframe:
Rekurs every 1 weeks beginning 31-MAY-10 (does not end)

Status:
Active

Requirement:

Assignment:
Hickey, Travis C. [travis.hickey]

Program (s):
Air Quality

Task Type:
Inspection

Applicability Statement:
Title V Permit

Support Links:

Created On	URL
28-MAY-10 14:21:24	Title V Permit

Edit Task
Cancel Task



Demonstration

Task Report

EMSolution® Compliance Tracker

ENRD Home Compliance Tracker Incident Manager NEPA Manager

Fort Belvoir
Environmental and Natural Resources Division

Add | My Home | My Profile | Reports | Search | Administration

Task Report

Indicates required items

Status: Any

Paginate results: ☒

Organizational Unit: Fort Belvoir

Assigned To:

Activity Type: Any

Timeframe: Due between and

DPW

ENRD

Facility Planning

Begin typing the name of the assignee. A listing of possible matching choices will display. Click on the correct user.

Save As Excel Run Report Reset Form



Demonstration

★ ☆ ENRD Tracker - My Tracker Home

ENRD Home Compliance Tracker Incident Manager NEPA Manager

EMSolution® Compliance Tracker

Fort Belvoir
Environmental and Natural Resources Division

Add ▾ | My Home | My Profile | Reports ▾ | Search | **Administration** ▾

My Tracker

My Items | My Calendar | **Manage Items**

Tasks Assigned To Me

☒ **Filter:** Paging: PaginatedAny | Active | Any User | Any program selection | Any Organizational Unit

ID	Created On	Task Description	Activity Type	Organizational Unit	Created By	Assigned to	Status	Due Date
2010-0008	28-MAY-10 14:14	⊕ Perform a weekly inspections of all Cold Solvent Degreasers	Inspection	Environmental & Natural Resources Division	Hickey, Travis C. [travis.hickey]	Hickey, Travis C.	Active	Recurring

Organization Task Assignments (click to expand)

Findings (click to expand)

- Activity Types
- Applicability Statements
- FAT - Activities
- FAT - Facility Types
- FAT - Tasks
- FAT
- Finding Classes
- Organizational Units
- Organization Levels
- Nonconformance Types
- Program Levels
- Program Selections
- Root Causes
- User Accounts
- User Groups

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Project Timeline and Milestones

- Project kickoff: September 2008
- EMS Module implementation and training: Fall/Winter 2008
- Ongoing EMS implementation: 2009
- EMS conformance demonstration: December 2009
- 12 month delay waiting for CoN for ASP.NET modules
- Install of database modules: December 2009
- Implementation and customization of modules: first half of 2010
- Project completion target: July/August 2010



INSTALLATION MANAGEMENT COMMAND



“Sustain, Support and Defend”