



Self Inspections

Cal/VPPPA Workshop October 3, 2013

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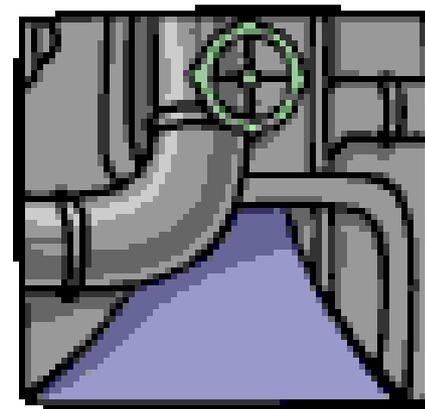


AGENDA

- ◆ Audio, Visual, Olfactory (AVO) Inspection
- ◆ WEBCMS
- ◆ SAP
- ◆ Benefits of WEBCMS and SAP

What is an AVO Inspection

- ◆ **Audio** – Listen
 - Pressure Leaks
 - Liquid Leaks
- ◆ **Visual** – Look
 - Pump Seal Drips
 - Valve Packing (Wet or Drips)
 - Wet Spots on Soil
 - Liquid Puddles
- ◆ **Olfactory** – Smell
 - Unusual/Strong Odors





Frequency of AVO Inspections

- ◆ A complete walk-through must be made at each facility according to the following frequency:
 - Products Terminals: Daily.
 - Asphalt Terminals: Daily.
 - Refineries: Daily or per local policy.
 - Crude Oil Terminals: At least weekly or as required by a permit.
 - Pump Stations: At least weekly or as required by a permit.

AVO Documentation

- ◆ All leaks (either liquid or vapor) that are discovered either during this inspection or at any other time must be properly recorded on a site-specific 1206 AVO Inspection Form.
- ◆ Form 1206 is composed of four forms
 - Product Terminals
 - Asphalt Terminals
 - Crude Oil Facilities
 - Pump Station Facilities





AVO Forms

**Form 1206 - AUDIO, VISUAL AND OLFACTORY (AVO) LEAK INSPECTION
AND FLARE/COMBUSTOR OBSERVATION FORM FOR PRODUCT TERMINALS**

Facility _____

Inspection Frequency: Daily

Original on file at the facility (No copies disseminated)
Retain this form for 5 years

Leak repairs must be completed within 5 days or reasons for repair delays must be documented below.

Date	Time	Inspectors Signature	K. O. pot empty? Y/N	Flare/VC U Smoking? Y/N	Identify the leaking device. (Device name and/or ID number)	Location of the leaking device	Is the leak vapor or liquid?	Severity of the leak	Method of leak detection (sound sight or smell (A,V,O)?)	Date and description of attempted repairs (or reason for delaying repairs)	Date repairs were completed

Form 1206 - AUDIO, VISUAL AND OLFACTORY (AVO) LEAK INSPECTION FORM FOR ASPHALT TERMINALS

Facility _____

Inspection Frequency: Daily

Original on file at the facility (No copies disseminated)
Retain this form for 5 years

Leak repairs must be completed within 5 days or reasons for repair delays must be documented below.

Date	Time	Inspector's Signature	Identify the leaking device. (Device name and/or ID number)	Location of the leaking device	Is the leak vapor or liquid?	Severity of the leak	Method of leak detection (sound, sight or smell (A,V,O)?)	Date and description of attempted repairs (or reason for delaying repairs)	Date repairs were completed



AVO Forms

Form 1206 - AUDIO, VISUAL AND OLFACTORY (AVO) LEAK INSPECTION FORM FOR CRUDE OIL FACILITIES

Facility _____

Inspection Frequency: At least weekly or as required by permit

Original on file at the facility (No copies disseminated)
Retain this form for 5 years

Leak repairs must be completed within 5 days or reasons for repair delays must be documented below.

Date	Time	Inspector's Signature	Identify the leaking device. (Device name and/or ID number)	Location of the leaking device	Is the leak vapor or liquid?	Severity of the leak	Method of leak detection (sound, sight or smell (A,V,O)?)	Date and description of attempted repairs (or reason for delaying repairs)	Date repairs were completed

Form 1206 - AUDIO, VISUAL AND OLFACTORY (AVO) LEAK INSPECTION FORM FOR PUMP STATION FACILITIES

Facility _____

Inspection Frequency: At least weekly or as required by permit.

Original on file at the facility (No copies disseminated)
Retain this form for 5 years

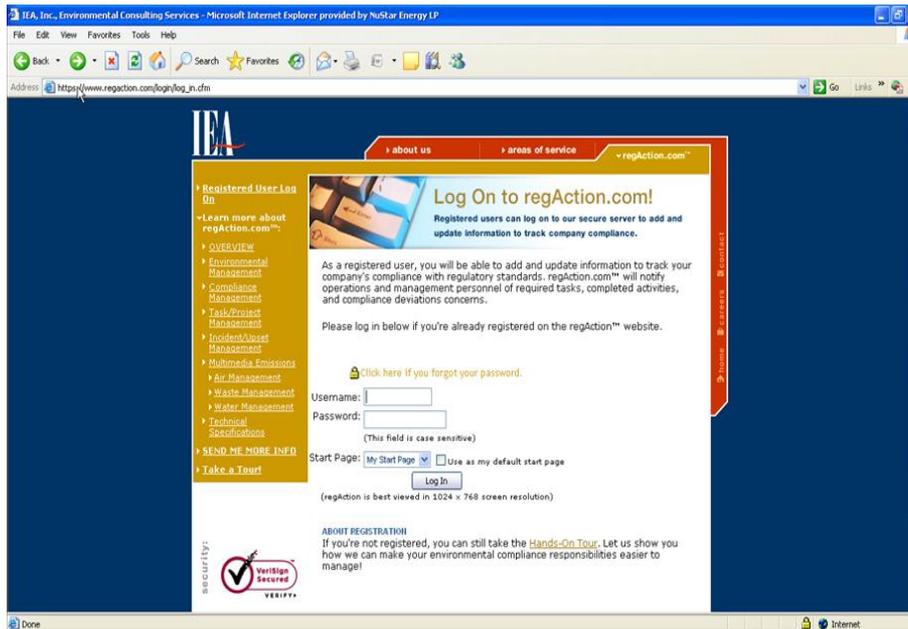
Leak repairs must be completed within 5 days or reasons for repair delays must be documented below.

Date	Time	Inspector's Signature	Identify the leaking device. (Device name and/or ID number)	Location of the leaking device	Is the leak vapor or liquid?	Severity of the leak	Method of leak detection (sound sight or smell (A,V,O)?)	Date and description of attempted repairs (or reason for delaying repairs)	Date repairs were completed

Introduction to WebCMS

WHAT IS WebCMS ??

- ◆ An Internet Web-based compliance program that will be used to track Terminal compliance tasks and self inspections on an ongoing basis.



- ◆ WebCMS replaces existing SAP PM06 tracking methodologies.
- ◆ Gives one system (RegAction) for reporting and tracking other systems like near misses and incidents.

Running WebCMS

- ◆ Logging Into WebCMS
- ◆ Entering Tasks
- ◆ Viewing Tasks
- ◆ Running Reports





Logging Into WebCMS

regAction.com: Workstation - Microsoft Internet Explorer provided by NuStar Energy LP

Address: https://www.regaction.com/includes/workstation_Frame.cfm?CFID=S13818&CFTOKEN=24ccb233e5c16ffb-fbb4dc5a-0036-b976-e3d1dc906f56f6f0

Navigation: Contact | Comments & Requests | Help | Logout

Taskbar: give feedback | dashboard | **workstation** | compliance | air | waste | water

MAIN MENU:

- Contact IEA
- IEA Home
- regAction Home
- Account Maintenance

COMPLIANCE:

- webCMS™**
- Permits

AIR:

- webEIT™

WASTE:

WATER:

Welcome to the regAction Workstation, Amanda Joyce.
Today is Thursday, October 16, 2008.

Module	Description	Date
webWMS	The new updates for webWMS. Some of the new features include: Prevent the Duplication of Manifest Numbers Additional columns were added for Profile Approval # and Expiration Date on the Waste Profile Approval page	07/09/2008
webWMS	Modification to the Waste Management page when entering the Generator, TSDF, and Transporter information The NEW webWMS WASTE MANAGEMENT PROCESS is here Transfer waste between plants, get the manifest and accept it on in. Know when, where and how much waste was put on one of our roads. Consolidate containers and move them into position for manifesting. Know when the lab needs a pick-up and get that lab pack out. Turn on the new webWMS Waste Management Tools and get running. If you need us to explain, just call or e-mail and were ready to help.	05/22/2008

ENJOY

Workstation | Activities | Air | Waste | Water

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Entering Tasks

regAction.com

Live Support ONLINE

Support Contact Comments & Requests Help Logout

dashboard workstation compliance air

webCMS™ Main Menu

Site Name: NuStar Corporate Office

Collapse Menu Expand Menu Customize Main Menu

ACTIVITIES:

- Task Calendar
- Weekly Tasks
- Inspection Sheets
- Manage Tasks
- Manage Compliance
- Manage Deviations
- Reassign Tasks

REPORTS:

- Tasks Report
- Historical Report
- Deviation Report
- Deviation Charts
- Source Listings
- Citation Listings
- Citation Activity Review
- Reporting Tasks

MAINTENANCE:

- Manage Sources
- View Regulations
- View Equipment Types
- Permits
- Assign Regulations
- Create Citations
- Task Frequency
- Event Category
- Media Type

Done

Internet

- From the Activities Menu click “Manage Tasks”.

International Environmental Associates, Inc.,
10700 Richmond Ave, Suite 310,
Houston, TX 77042
Phone: (713) 623-5099 ext.107 Fax: 713-623-5050
<http://www.ieainc.com>

Viewing Tasks

The screenshot shows the 'Manage Tasks' interface on RegAction.com. The top navigation bar includes 'Support', 'Contact', 'Comments & Requests', 'Help', and 'Logout'. The main content area is titled 'Manage Tasks' and shows 'Site Name: NuStar Corporate Office'. Below this is a 'Task Management Menu' with buttons for 'View Tasks', 'New Task', 'Manage Tasks by Source', and 'Submit Tasks'. The 'View Tasks' button is highlighted with a red arrow. The filter section includes dropdowns for 'Select Responsible Individual' (Butler, Chris), 'Select Unit' (All Units), 'Select Task Type' (All Tasks), 'Media Type' (All Media Types), and 'Select A Date Range' (1 Week Ahead). There is an 'OR' separator and an 'Enter Task ID' field with a 'Submit Filter' button. On the right, a 'Stored Queries' table lists 'All Corporate Tasks' and 'Chris Butler Tasks'. At the bottom, there are 'Add New Task', 'Main Menu', and 'Back' buttons.

Returning back to the WebCMS Main Menu under Manage Tasks, click “View Task”.



Running Reports

- ◆ Compliance Reports can be based on:
 - Tasks Report
 - Historical Report
 - Deviation Report
 - Deviation Charts
 - Source Listings
 - Citation Listings
 - Citation Activity review
 - Reporting Tasks

Running Reports

The screenshot displays the RegAction.com web application interface. The top navigation bar includes links for Support, Contact, Comments & Requests, Help, and Logout. The main content area is titled "Manage Tasks" and shows a site name of "NuStar Corporate Office". The interface includes a "Task Management Menu" with buttons for "View Tasks", "New Task", "Manage Tasks by Source", and "Submit Tasks". Below this, there are several dropdown menus for filtering tasks: "Select Responsible Individual" (Butler, Chris), "Select Unit" (All Units), "Select Task Type" (All Tasks), "Media Type" (All Media Types), and "Select A Date Range" (1 Week Ahead). There is also an "Enter Task ID" field and a "Submit Filter" button. To the right, a "Stored Queries" table lists "All Corporate Tasks" and "Chris Butler Tasks". A red arrow points to the "Historical Report" option in the left navigation menu under the "REPORTS:" section. The bottom of the page features a "Main Menu" button and a "Back" button.

Returning back to the WebCMS Main Menu under Reports, click “Historical Report”.

Running Reports

The screenshot displays the regAction.com web interface. At the top, there is a navigation bar with links for Support, Contact, Comments & Requests, Help, and Logout. Below this is a secondary navigation bar with tabs for dashboard, workstation, compliance, and air. The main content area is titled "Historical Tasks Between 1/1/2009 and 8/18/2009" and shows a report for "NuStar Corporate Office".

The report includes a filter section with the following settings:

- Source: All Sources
- Select Task Type: Regulatory Tasks
- Media Type: All Media Types
- Employee: Butler, Chris
- Employee Type: Assigned Employee
- Begin Date Range: January 1, 2009
- End Date Range: August 18, 2009
- Date Type: Task Completion Date

A "Printable View" button is located to the right of the filter section. Below the filter section is a table with the following data:

Source	Assigned Employee	Task	Completion Date	Due Date	Submittal Date
	Butler, Chris	Annually Verify GETS Card Activation	04/02/2009	04/30/2009	04/21/2009
	Butler, Chris	Annual Hangar SWPPP Training	05/13/2009	06/01/2009	05/15/2009
	Butler, Chris	3-Year update DOT Hazardous Material Registration	05/29/2009	06/30/2009	06/03/2009
	Butler, Chris	2-Year MCS 150 Filing FMCSA 484797	07/31/2009	07/01/2009	08/12/2009
	Butler, Chris	Annual Renewal of Colorado HAMAT Permit No. HMP-04440 FMCSA 484797	01/22/2009	03/25/2009	01/22/2009

The bottom of the page shows a Windows taskbar with the "Done" button and a system tray containing a lock icon and the text "Internet".

Example Historical Report



Running Reports

Historical Task Detail Information

Company Name: NuStar Logistics, LP.

Site Name: NuStar Corporate Office

Historical Task Information

Submitting Individual: Chris Butler
 Task Completion Date: 04/02/2009
 Task Submittal Date: 04/21/2009

Task Detail

Task: Anually Verify GETS Card Activation
 Task Type: Regulatory Task
 Media Type: Release & Incd.
 Compliance Form: N/A
 Default File Location: N/A
 Frequency: Annually
 Reminder Frequency: None
 Task Due Date: 04/30/2009
 Advance Notice Date #1: 04/15/2009
 Advance Notice Date #2: 04/01/2009

Example Historical Task Detail Information

Responsible Individuals Assigned

Chris Butler

Responsible Managers Assigned

Chris Butler

Units Assigned

Corporate - Corporate Office

Sources Assigned

Citations Assigned

PPP Conditions Assigned

Source-Citations Linkage

Source-(PPP Conditions) Linkage

Triggers

Trigger Message:

Trigger Type	Triggered Citation	Task Triggered	Immediate Triggers Notification Event
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Today's Date: Tuesday, August 18, 2009

Close Window

Today's Time: 05:16 PM





SAP

- ◆ SAP is also a good support tool for virtually any Safety Policy, Program, Process or Practice that requires any additional revenue or mechanical support.
- ◆ It provides follow-up of safety deficiencies for easy reference as to the status of the item and when it is completed.
- ◆ It allows for resources, and expenditures to be made for safety related items.

Accessing SAP using the Web

- ◆ From the intranet home site, hover over My Workplace and select Work Orders & Requisitions

Portal

Welcome Kane, Winnie

NuStar

Home My Workplace My HR Our Departments Locations News

Corporate Policies
Forms Library
Multimedia Library
Corporate Services
Telecomm
Information Systems
Travel
Fleet
Purchase Card
Buy Sell
Company Store
Employee Discounts
StarQuest VMS
Surplus Warehouse
Training and Development
Star Performer
Bright Star Program
Government Orders & Requisitions
Online Auction

My Company

ve problems, people do. ★ Every job is equally important! ★ We always do the right things for the right reasons. ★

NewsStar

07/27/2012
NuStar Energy Reports Earnings Results for Second Quarter of 2012

07/06/2012
NuStars Weak 2Q12 and Asphalt Join Venture Unlikely to Impact Ratings or Negative Outlook

07/06/2012
2Q12 Asphalt JV Announcement

07/05/2012
2Q12 NS Interim Guidance Release

07/05/2012
NSH 2Q12 Interim Guidance Earnings

04/27/2012
2012 Annual Meeting Video Presentation
more...

NuStar Stock Quotes

	Open	High	Low	Change	Current
NS	51.68	51.68	51.3374	-0.1318	51.5482
NSH	30.34	30.64	30.34	+0.02	30.46

* (Stock Quote Service is Down) (Click on the stock symbol for more details.)
Last Quotes Received On: 10/15/2012 12:35 PM

Health, Safety and Environmental LEAD BY EXAMPLE
Corporate Health and Safety Committee

CLICK HERE TO NOMINATE A STAR PERFORMER!

CLICK TO ROCK ENROLL! OCTOBER 15-26

From news in our communities to views on our operations, find out all that is "Nu" at NuStar! Click here to learn more!

For problems please call the Customer Support Center at 888-NuStar-5 | For more help and information, come to the Service Desk Portal.

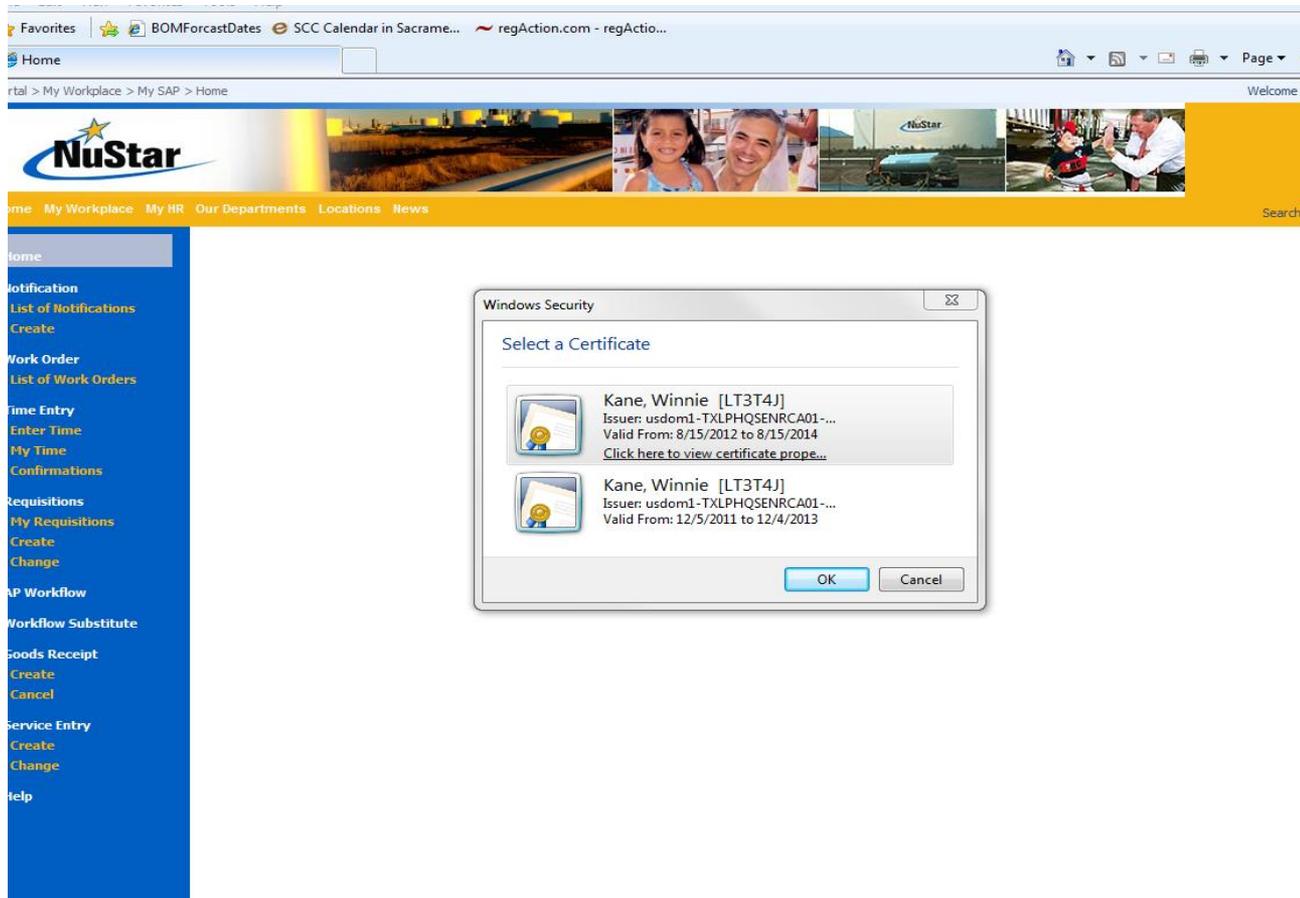
http://portal.nustarenergy.com/MyWorkplace/MySAP/Pages/Home.aspx

Local intranet | Protected Mode: Off



Accessing SAP using the Web

- ◆ The system should log you into SAP immediately without further sign-on. You may have to select a certificate to continue though, but you may select either certificate with valid dates.



The screenshot shows a web browser window displaying the NuStar SAP interface. The browser's address bar shows the URL "regAction.com - regActio...". The page header includes the NuStar logo and navigation links such as "Home", "My Workplace", "My HR", "Our Departments", "Locations", and "News". A search bar is visible on the right side of the header. On the left side, there is a blue sidebar menu with various options like "Notification", "Work Order", "Time Entry", "Requisitions", and "SAP Workflow".

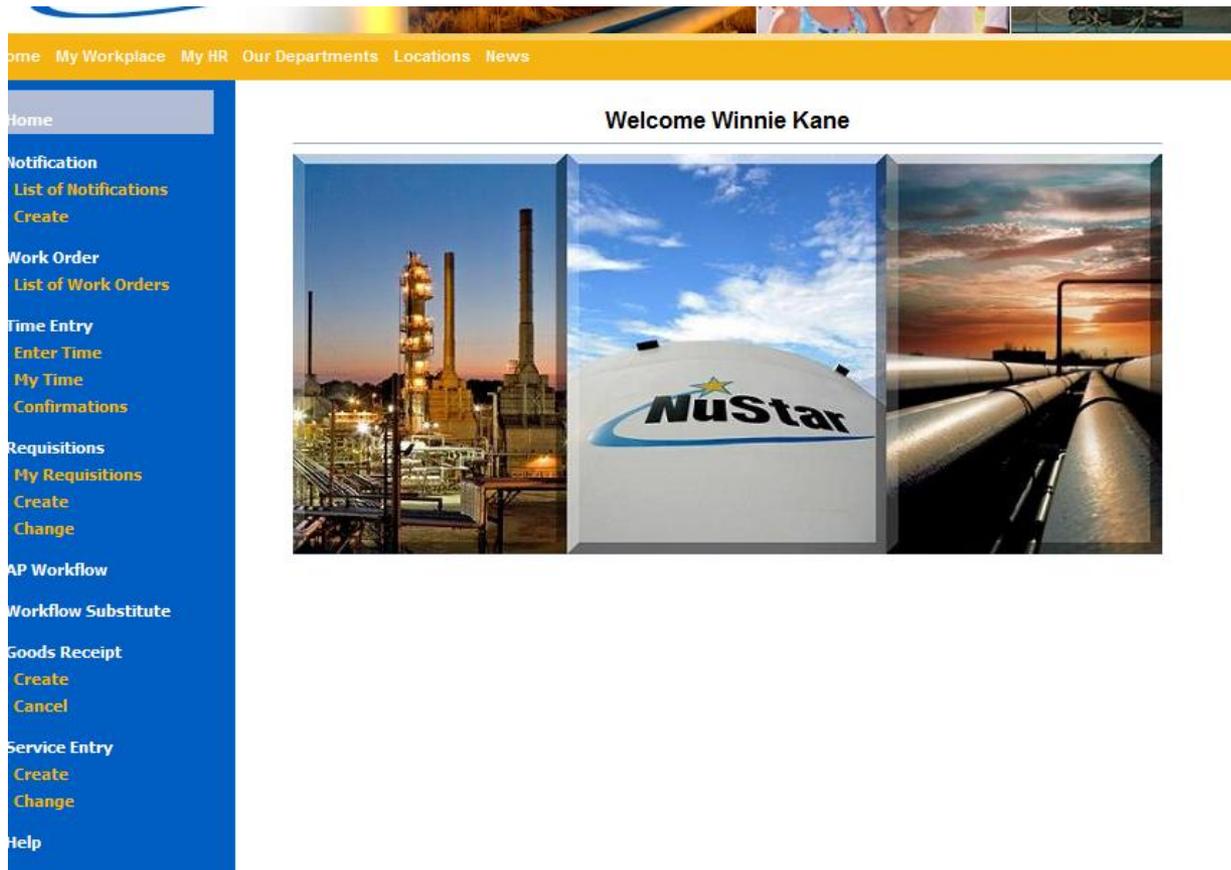
Overlaid on the bottom right of the browser window is a "Windows Security" dialog box titled "Select a Certificate". It lists two certificates for "Kane, Winnie [LT3T4J]":

- Issuer: usdom1-TXLPHQSENCA01-...
Valid From: 8/15/2012 to 8/15/2014
[Click here to view certificate prope...](#)
- Issuer: usdom1-TXLPHQSENCA01-...
Valid From: 12/5/2011 to 12/4/2013

The dialog box has "OK" and "Cancel" buttons at the bottom.

Accessing SAP using the Web

- ◆ Once on the Web SAP you will have a tool bar on the left of the screen to guide you to the choices available on this application.





Navigating Web SAP

- ◆ What is a notification?
 - A Notification is the initial step in reporting a problem or required maintenance of a specific piece of equipment at your facility

- ◆ What is a work order?
 - A work order is the order to complete required corrections or maintenance on a specific piece of equipment in the facility



Navigating Web SAP

- ◆ Why do we write notifications and work orders?
 - Creating and using notifications/work orders allows us to track equipment breakdowns and maintenance costs at all our facilities in real time, capturing contractor hours, purchased parts, breakdown instances etc., so that we can replace equipment as needed and maintain accurate records for reporting.
- ◆ What types of reports and recording are generated from the notification/work order process?
 - We create reports monthly tracking which equipment items at each facility malfunctioned with the most regularity and which pieces of equipment at each facility cost the most to keep running. We are better able to identify the types of equipment with the best reliability standards and most available parts available as well as be able to provide objective reasoning for equipment replacement

List of Notifications

- ◆ This will show a list of notifications written for your designated facility for the last 3 months or longer if needed.



Home My Workplace My HR Our Departments Locations News

Home

Notification

List of Notifications

Create

Work Order

List of Work Orders

Time Entry

Enter Time

My Time

Confirmations

Requisitions

My Requisitions

Create

Change

AP Workflow

Workflow Substitute

Goods Receipt

Create

Cancel

Service Entry

Create

Change

Help

My Notifications

Parameters

Refresh

View [Standard View] Export

Notification	Description	UserStatus	Notif Date	Completed On	Created By	Equipment Desc
11573266	3" Underground Piping	APVD	10/15/2012		BABADW	
11573068	KM Pipeline Excavation	APVD	10/12/2012		LILYEBLADETC	
11573058	Tank 1002 Inspection and Repair	APVD	10/12/2012		HERZOGR	TK1002, BULK STORAGE TANK
11573041	Grundfos boiler water feed pump	APVD	10/12/2012		GRAYAR	
11572993	Oil/Water Separator Tank platform	APVD	10/11/2012		FLETTA	OWS01, OWS SUMP @ TRUCK RACK
11572992	Portable Access Unit	APVD	10/11/2012		FLETTA	
11572926	Rack Meter Replacement	APVD	10/10/2012		HERZOGR	FE01, METER 1 LANES 1 & 2
11572925	017218 Bickmer pump Casing	APVD	10/10/2012		GRAYAR	
11572920	Jib Crane Service	APVD	10/10/2012		BABADW	
11572919	STK XOS Sulfur analyzer repair/annual	APVD	10/10/2012		THOMASDM	LAB06, SULFUR ANALYZER
11572918	STK DSL System 2 drain and contain	APVD	10/10/2012		THOMASDM	DSL002, ULSD PIPING SYSTEM DSL00
11572790	Manlift rental for Boiler testing	APVD	10/09/2012		FLETTA	BO01, BOILER
11572788	Rail rack "E" electrical installation	APVD	10/09/2012		FLETTA	BAY05E, TRUCK LOAD RACK NO/EQUI
11572787	plastic sheeting & straw booms	APVD	10/09/2012		GRAYAR	
11572780	Carbon & drums for odor control	APVD	10/09/2012		GRAYAR	



Create a Notification

◆ Select a Material Activity Type by clicking the down arrow next to MAT, some examples of regularly used MAT's are:

- 001 – Preventative Maintenance
- 002 – Predictive Maintenance
- 003 – Routine Maintenance
- 004 – Corrective Maintenance

007 – Inspections

045 – VPP/HSE Audit Repair

445 – VPP/HSE Audit Findings

The screenshot shows a web application interface for creating a notification. The top navigation bar includes 'Workplace', 'My HR', 'Our Departments', 'Locations', and 'News'. A left sidebar contains menu items like 'Notifications', 'Work Orders', and 'Locations'. The main content area is titled 'Create Notification' and contains the following fields:

- Notification Type: M2 - MALFUNCT(EQ. REPAIR)
- Notification Description: Offload pump vibrating on startup
- Priority: 2 - URGENT
- MAT: (Dropdown menu open showing options: 001 - PREVENTIVE MAINTENANCE, 002 - PREDICTIVE MAINTENANCE, 003 - ROUTINE MAINTENANCE, 004 - CORRECTIVE MAINTENANCE, 005 - CAPITAL PROJECTS (REGULAR), 006 - ENVIRON - OTHER, 007 - INSPECTION, 008 - INSURANCE, 009 - LDAR)
- FL / Equipment Search: (Text input field)
- Additional Comments: (Text area)

At the bottom of the form are 'Reset' and 'Submit' buttons.



List of Work Orders

- ◆ This will show you a list of work orders written for your designated facility for the last 3 months or longer if needed.



Home My Workplace My HR Our Departments Locations News

Home

Notification

List of Notifications

Create

Work Order

List of Work Orders

Time Entry

Enter Time

My Time

Confirmations

Requisitions

My Requisitions

Create

Change

AP Workflow

Workflow Substitute

Goods Receipt

Create

Cancel

Service Entry

Create

Change

Help

My Work Orders

Parameters

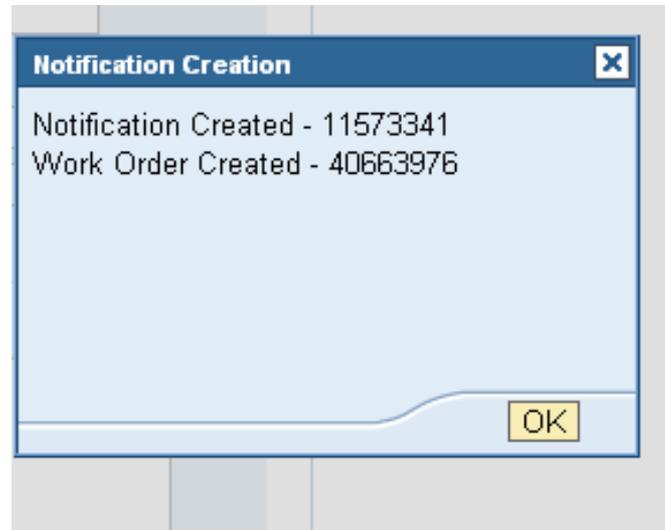
Refresh Create

View [Standard View] Export

Order	Type	Description	User	System	Basic Start	Teco Date	WrkCtr	FunctLoc
40663947	PM03	3" Underground Piping	RP	REL	10/15/2012		T91	K200-TT1-LOSA-16
40663713	PM03	KM Pipeline Excavation	RP	REL	10/12/2012		T98	K200-TT1-PORT
40663708	PM03	Tank 1002 Inspection and Repair	RP	REL	10/12/2012		T99	K200-TT1-TACO-14-TK1002
40663702	PM03	Grundfos boiler water feed pump	RP	REL	10/12/2012		T12	K200-TT1-PITT
40663666	PM03	Oil/Water Separator Tank platform	RP	REL	10/11/2012		T97	K200-TT1-VANS-14-OS01
40663665	PM03	Portable Access Unit	RP	REL	10/11/2012		T97	K200-TT1-VANC-OPS
40663595	PM03	Rack Meter Replacement	RP	REL	10/10/2012		T99	K200-TT1-TACO-60-BAY1-LA
40663594	PM03	017218 Blckmer pump Casing	RP	REL	10/10/2012		T12	K200-TT1-PITT
40663586	PM03	Jib Crane Service	RP	REL	10/10/2012		T91	K200-TT1-LOSA-38
40663580	PM03	STK XOS Sulfur analyzer repair/annual	RP	REL	10/10/2012		T88	K200-TT1-STO1-46-LAB06
40663579	PM03	STK DSL System 2 drain and contain	RP	REL	10/10/2012		T88	K200-TT1-STO1-16-DSL002
40663522	PM03	Manlift rental for Boiler testing	RP	REL	10/09/2012		T97	K200-TT1-VANC-11-BO01
40663520	PM03	Rail rack "E" electrical installation	RP	REL	10/09/2012		T97	K200-TT1-VANC-60-BAY05E
40663519	PM03	plastic sheeting & straw booms	RP	REL	10/09/2012		T12	K200-TT1-PITT
40663515	PM03	Carbon & drums for odor control	RP	REL	10/09/2012		T12	K200-TT1-PITT

Create a Notification

- ◆ Once the notification is completed, and you have clicked Submit, the system will create a work order automatically. There will be a box to advise of both the notification and work order numbers.
- ◆ Now that you have created a notification and work order, you should be able to find this on either the list of notifications or the list of work orders.



Completing Work Orders

- ◆ Click back to re-enter the work order and click the checkered-flag “Teco” button on the top. You will need to input the date of completion (time is not important) and select ok.

The screenshot shows the SAP 'Change Work Order' interface. At the top, there are buttons for 'Release', 'Teco', 'Print', and 'Other'. The 'Teco' button is circled in black. Below these buttons, the work order details are displayed, including 'Order: 40663976', 'PM02', 'System Status: REL NMAT PR', 'Main Work Center: T91', 'Basic Start: 10/15/2012', 'Basic Finish: 10/15/2012', 'Functional Location: K200-PT1-LOSP-17-P07', 'Equipment: 10650388 - MS07, STARTER FOR PUMP 7', and a 'Comments' field with text: 'Test Work Order - not real. Offload pump vibrating on startup * 10/15/2012 13:35:16 Winnie Kane (KANEWA) Phone 916-509-3268 * Went to start Pipeline North Pump this AM. Noticed a loud banging sou'. A 'Teco' modal dialog is open in the center, containing fields for 'Actual Completion Date: 10/15/12' and 'Actual Completion Time: 12:00:00 AM', both circled in black. There is also a checked 'Complete Notification' checkbox and 'OK' and 'Cancel' buttons at the bottom of the modal, with the 'OK' button also circled in black. At the bottom of the main window, there are buttons for 'Header', 'Requisition', 'Costs', 'Object List', and a 'Save' button.



SAP for VPP

- ◆ SAP are needed tools for the Voluntary Protection Program as it gives the organization ways to follow-up on safety defencencies for easy reference as to the status of the item and when it is completed.
- ◆ It also allows for resources, and expenditures to be made for safety related items.



SAP for VPP and PSM

- ◆ SAP offers the following benefits for VPP and PSM:
 - Tracking of required expenditures for inspection programs (Hazard Recognition, API 653, Etc.)
 - Review and approval process for VPP and PSM initiatives (NFPA 70E, P&ID upgrades, capitol projects, etc.)



WebCMS for VPP and PSM

- ◆ WebCMS offers the following benefits for VPP and PSM:
 - Program task assignments that allow tracking to completion of any opportunities noted.
 - Audit/Inspection checks
 - ❖ Hazard Recognition Inspections
 - ❖ Self Inspections
 - Mechanical Integrity
 - PHA
 - Fall Harnesses
 - Etc.



WebCMS for VPP and PSM

- ◆ WebCMS are systematic tracking and task scheduling systems marry-up with Process Safety Management well and can keep the organization in compliance with Process Safety Management.
- ◆ It should be noted that WebCMS and SAP can be implemented for voluntary use programs as well.



WebCMS for compliance

- ◆ WebCMS offers the following benefits for EH&S compliance:
 - Permit compliance tasks and verification
 - Regulatory audit checks assignments and tracking
 - Documentation of persons completing tasks
 - Scheduling and review system in place to ensure consistent regulatory compliance.

- ◆ WebCMS not only offers a way to show the organization the specific tasks and assignments for Health, Safety and Environmental compliance but gives auditors readily accessible documented proof that the we are in compliance.



SAP for compliance

- ◆ WebCMS & SAP offers the following benefits for EH&S compliance:
 - Agency permit fees
 - Outside resource procurement (emmission testing, I.H., etc.)
 - Documentation of persons completing tasks
 - Procuring, Scheduling and Review system in place to ensure consistent regulatory compliance..



Summary

Questions

