



WebEOC/Virtual EOC Implementation

**Amity Hahn
Emergency Communication
Team Lead**

WebEOC

- **What is WebEOC, and why do we use it?**
 - WebEOC is a replacement to basic tools that were used before computers
 - ◆ Paper and pen
 - ◆ Whiteboards
 - ◆ Shelves of binders and books
 - ◆ Maps on easels.
 - It is also important to share these tools with people who may not be in the same room

Pantex WebEOC History: Past

- **Originally installed on a local isolated network inside the EOC**
 - Users had to be located in the same building
 - Only utilized the Significant Events board as a running log
 - Everyone used a super-user login and anyone could access and update the log
 - Could not determine who made which entries or edit

Pantex WebEOC History: Present

- **Now installed on site-wide network**
 - Accessible from any workstation on the plant
 - Accessible from any remote secure login (VPN) enabled location
 - Utilizes Position Log, Tasking, Controller Review, Press Release, in addition to Significant Event Board
 - All users have unique login credentials

Pantex Custom Tools

- **Pantex has created or customized tools as requested by users**
 - Timer – Used in the Operations Center and Emergency Services Dispatch Center
 - Dashboard – Used during an event in the EOC
 - Situation Report – Used during an event to collect information directly from teams that have the relevant information

Pantex Custom Tools: Timer

OC - Timer Display - Microsoft Internet Explorer provided by ITM

 OC - Timer Incident: Test Event June 2011

BEEP BEEP BEEP!

Add New Event Print PDF

Thursday, April 19th 2012, **10:53:57**

Color change as time approaches

Shows past items for review

10:56 <i>in 2 minutes</i>	Entry 4	04/19/2012 10:53:06	 Update
11:07 <i>in 13 minutes</i>	Entry 3	04/19/2012 10:52:37	 Update
11:22 <i>in 28 minutes</i>	Entry 2	04/19/2012 10:52:11	 Update
13:53 <i>in 2h 59m</i>	Event 5	04/19/2012 10:53:29	 Update
16:53 <i>in 5h 59m</i>	Event 6	04/19/2012 10:53:41	 Update
18:53 <i>in 7h 59m</i>	Event 7	04/19/2012 10:53:52	 Update
08:55 <i>1h 58m passed</i>	Entry 1	04/19/2012 10:51:36	 Update

View Removed Entries

<<<< << >> >>>> Disable Refresh

Pantex Custom Tools: Dashboard

Dashboard - Editor Display - Microsoft Internet Explorer provided by ITM

Test Event June 2011

Dashboard

Event Details	What Happened	New chemical discovery		
	Event Time	0829		
	Event Location	A crater in a farmer's field		
	Cat./Class.	Not Operational Emergency Yet		
	Event Type	1.01 Disc - Judgment - Based EAL		
	Protective Actions	NA		
Meterology	Wind Direction	Wind Speed	Temp	Stab. Class
	From West to East	10 mph	72 F	D
Hazard	Material	Details		
	Chemical X	Unknown		
Evacuation	Started?	Completed?		
Accountability	Started? Yes	Completed? Yes		
	All employees are accounted for			
Injuries	None			
IC POCs	Joel Hodgson - ICV Commander X1234			
	Mike Nelson - ICV Driver X4321			
EOC Staffing	Operational? Yes	B&W Yes	ECG Yes	
		PXSO Yes	EPI Yes	
		ICT Yes	REC Yes	
		CAT Yes	LOG Yes	
		ECT Yes	OPS Yes	

<<<< << Page 1 of 1 >> Disable Refresh

Central location for basic information

Prompts decision makers to think about specific topics.



Pantex Custom Tools: Sit Rep

Situation Report CAT Display - Microsoft Internet Explorer provided by ITM

Situation Report
Test Event June 2011

Print

Working Situation Report - Draft

From Date/Time: 08/03/11 1010
To Date/Time: 08/12/11 1440
Incident/Event Type: Test Event June 2011

1.0 Description of the emergency/event

1.1 What happened? water flooded
1.2 When did it happen or was it discovered? last night
1.3 Where did it happen? everywhere
1.4 What is the immediate impact/effect of the event on Departmental facilities, sites, programs, and/or activities? (i.e., damage to facilities, operations, etc.) stuff is wet
1.5 Describe any off-site impact which has occurred, is occurring, or which may occur they're all wet too
1.6 Who are the on scene senior emergency management POCs? (names, contact number/ means for site emergency manager/director, Senior Energy Official, and On Scene Commander) PXFD chief...

1.7 Depending on the nature of the event:

1.7.1 What is the category of the event (e.g., OE, Energy Emergency, and Emergency Assistance) OE test - flood
1.7.2 What is the classification of the event (only if event involves Hazardous Materials Program facility/site, e.g., General Emergency, Site Area Emergency, Alert) Site Area Emergency - Flood

1.8 What hazardous materials were involved and their potential/actual impact: Water, and lots of it
1.8.1 Types, amounts, and/or concentrations 5 million gallons
1.8.2 Status of leak/spill/release (e.g., ongoing or stopped) ongoing

1.9 Current meteorological data at event scene:

1.9.1 Temperature 95F
1.9.2 Humidity 100%
1.9.3 Wind speed and direction 20mph 200deg
1.9.4 Precipitation type and/or forecast none/none
1.9.5 Stability condition B

1.10 Information on effects measurements (e.g., actual measurements, dose estimates, and model predictions) and/or potential for increased severity none
1.11 What decontamination requirements are there? (if any) Wash your hands.
1.12 What other potential hazards associated with the site or operations are affected by the event? Everything is shut down.

<<<< Page 1 of 1 >>>> Disable Refresh

Can view all saved information.

Situation Report CAT Ops - Microsoft Internet Explorer provided by ITM

Entry Sort Filter

Report As groddahl2

Situation Report
Test Event June 2011

CAT Team

Submitted by: groddahl

1.7 Depending on the nature of the event:

1.7.1 What is the category of the event (e.g., OE, Energy Emergency, and Emergency Assistance) OE test - flood
1.7.2 What is the classification of the event (only if event involves Hazardous Materials Program facility/site, e.g., General Emergency, Site Area Emergency, Alert) Site Area Emergency - Flood

1.8 What hazardous materials were involved and their potential/actual impact: Water, and lots of it
1.8.1 Types, amounts, and/or concentrations 5 million gallons
1.8.2 Status of leak/spill/release (e.g., ongoing or stopped) ongoing

1.9 Current meteorological data at event scene:

1.9.1 Temperature 95F
1.9.2 Humidity 100%
1.9.3 Wind Speed and direction 20mph 200deg
1.9.4 Precipitation type and/or forecast none/none
1.9.5 Stability condition B

1.10 Information on effects measurements (e.g., actual measurements, dose estimates, and model predictions) and/or potential for increased severity none
1.11 What decontamination requirements are there? (if any) Wash your hands.

Teams enter only relevant information.



Pantex Custom Tools: Sit Rep

1. Editor consolidates information from teams.

2. Editor copies information into SitRep form.

3. Editor uploads final SitRep to WebEOC.

The screenshot displays the 'Situation Report Editor Display' in Microsoft Internet Explorer. The interface is divided into several sections:

- Planning Editing:** Includes fields for 'Attach PX-5434', 'Publish Report:' (checked), 'From Date/Time:' (08/03/11 1010), 'To Date/Time:' (08/12/11 1440), 'Report Submitted by:' (bwebb), and 'Incident/Event Type:' (Test Event June 2011).
- 1.0 Description of the emergency/event:** A form with five numbered questions (1.1-1.5) and dropdown menus for answers. The answers shown are: 1.1 'water flooded', 1.2 'last night', 1.3 'everywhere', 1.4 'stuff is wet', and 1.5 'they're all wet too'.
- Table of Incident Reports:** A table with columns for 'Operational Period', 'Incident', and 'View'. It lists multiple entries for 'Test Event June 2011' with the same operational period (08/03/11 1010 - 08/12/11 1440) and incident ID (PX-5434).
- Microsoft Word Document:** A preview of the generated SitRep form, showing the same questions and answers as the editor, along with a 'CLASSIFICATION M' header and 'EMERGENCY MANAGEMENT TEAM S' text.

Remote EOC concept

- **Examples of why we need a virtual EOC**
 - Sheltered from hazardous environment
 - ◆ Tornado
 - ◆ Security event
 - ◆ Methylethyldeath
 - ◆ Robot dinosaur attack
 - Preparation for recall
 - ◆ Before an event becomes an Operational Emergency

Getting To the Physical EOC Can Be Tough



Remote EOC login: LAN or VPN

WebEOC 7.3 Login - Microsoft Internet Explorer provided by ITM

https://webec.pxplant.com/eoc7/default.aspx?organizationname=EOC Professional&langid=en-US

File Edit View Favorites Tools Help

WebEOC 7.3 Prod WebEOC Dev-QA NOAA NARAC Communicator! NXT 4.1.1 Dict EMI SIG EOTA ESI Support FoodSafety Labelmaster ANL

Team Discussion WebEOC 7.3 Login

WebEOC 7.3 Login

User:

Password:

OK

WebEOC® is a registered trademark of ESI Acquisition.

Local intranet 110%

tec

12

Remote EOC usage

The screenshot displays a web application interface with three main components:

- Significant Events List:** A table listing various events with details such as event ID, role, name, and timestamp.
- Chat Window:** A messages area showing a test message from 'groddahl'.
- Map:** A satellite map view with a red and blue outline indicating a specific geographic area.

Red callout boxes highlight key features:

- Sig. Events:** Points to the 'Significant Events' list.
- Chat:** Points to the chat messages area.
- MapTac:** Points to the map view.

Test Event June 2011	
Significant Events	
163	
.EOC Director	
bwebb	
03/12/2012 01:54:00	
Test Event June 2011	
162	
.EOC Director	
bwebb	
04/13/2013 19:00:00	
Test Event June 2011	
161	TEST5432154321
.EOC Director	
bwebb	
03/12/2012 01:52:00	
Test Event June 2011	
160	
.EOC Director	
bwebb	
12/31/1899 18:00:00	
Test Event June 2011	
30	Plume model attached.
Emergency Comm Team	
groddahl	
08/25/2011 11:09:15	
Explosion	
Test Event June 2011	
	Flash

Messages

groddahl: This is a test of the chat system.

MapTac

Page 1 of 1 | Disable Refresh