Headquarters U.S. Air Force

Integrity - Service - Excellence

USAF DOEHRS-IH USE



Maj Joseph Catyb
Air Force Medical Support Agency
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Joseph.catyb@pentagon.af.mil
DSN 425-6343
Version 1



Overview

- Discoverer Worksheets
- AF DOEHRS Use for Op Tomodachi
- DOEHRS Reporting Suite



Using DOEHRS-IH to Execute Health Risk Assessments

- DOEHRS-IH is used by the AF to help complete effective and thorough workplace health risk assessments...and generate longitudinal exposure record data
- DOEHRS-IH use is mandated by AFI 48-145
- A technical guide was created by the USAF School of Aerospace Medicine (USAFSAM) in 2009 to guide AF-specific use of DOEHRS-IH

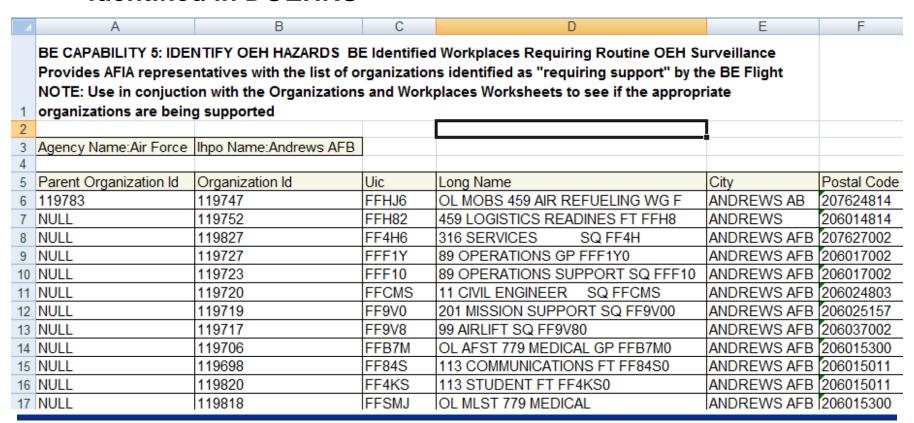


Discoverer Use is Key

- Numerous worksheets built by the AF proved to be a very effective tool for base Bioenvironmental Engineering (BEE) personnel to QA/QC data and produce various reports
- Also used by the Air Force Inspection Agency to inspect each base every 3 years on BEE program execution and use of DOEHRS-IH
- USAFSAM. Air Staff and the MAJCOMs are able to view existing

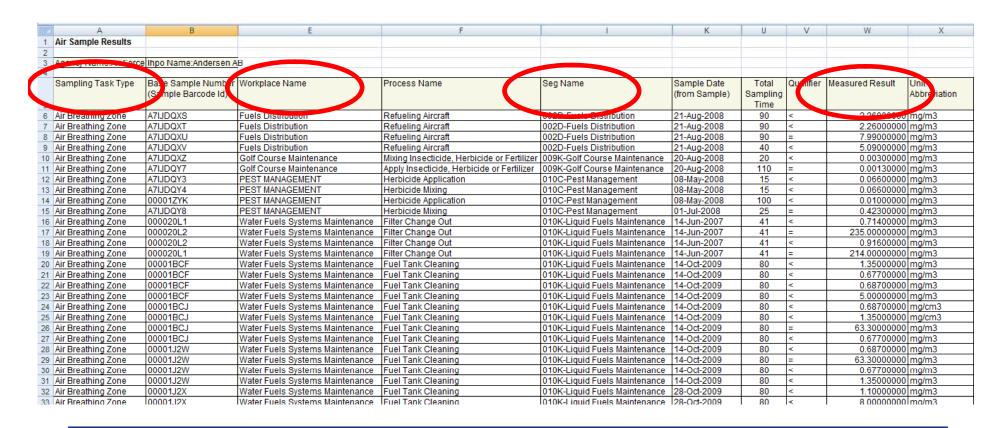


- Supported Organizations
 - Use to ensure all organizations requiring support have been identified in DOEHRS



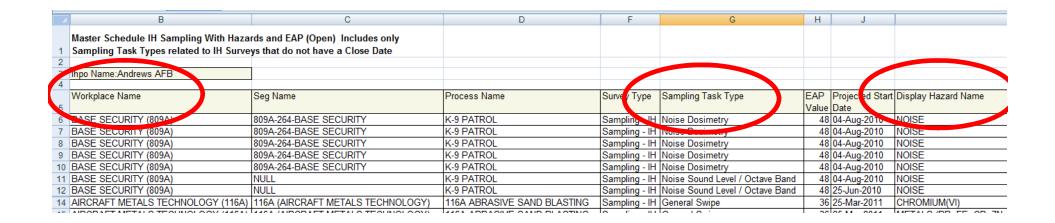


Air Sampling Results



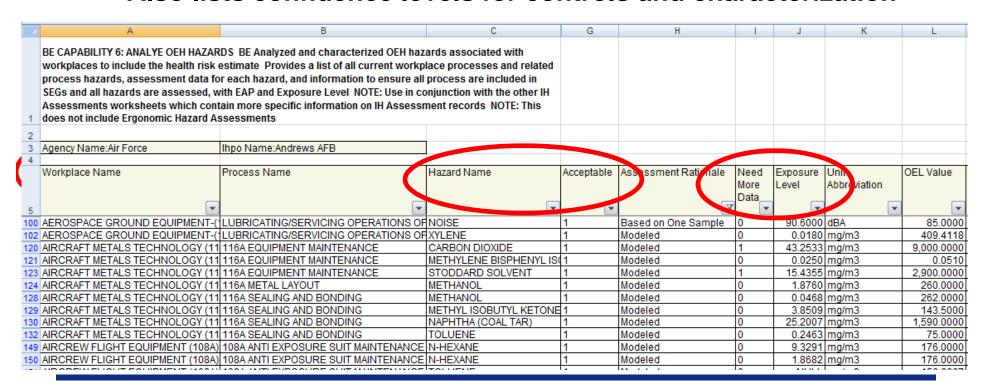


- Open IH Sampling Tasks with EAP Assigned
 - Tracks sampling tasks that have been entered into DOEHRS but not closed out





- Process Hazard SEG IH Assessment
 - ID's hazards that are marked in DOEHRS as unacceptable, need more data
 - Also lists confidence levels for controls and characterization





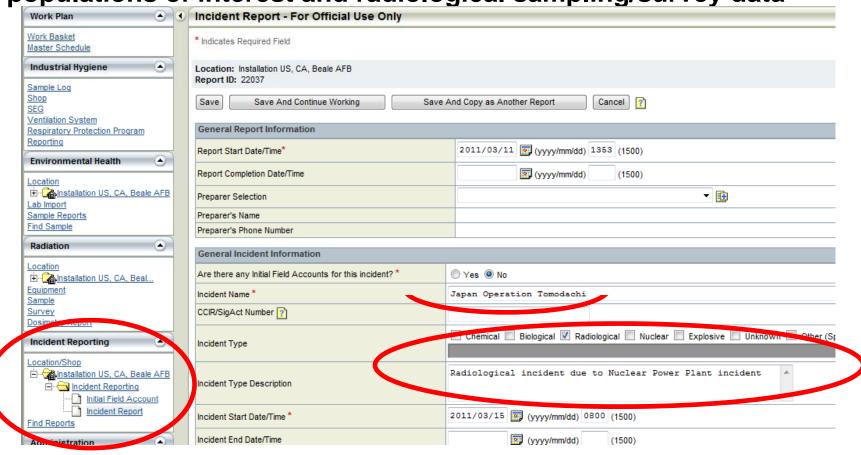
- Air Sampling TWAs > AL
 - Assists user in tracking inhalation exposures that are > AL
 - Also lists hazard, CAS No, air sampling method used

В	F	G	J	N	0	Р	Q	T	U	V
expanded star permissible ex	ndard chemicals and conducted rec	ormed an initial exposure determination quired exposure assessments for OEH ha a list of all TWAs that are over 1/2 of the	zards above OSHA							
2						-				
3 Ihpo Name:Barl	ksdale AFB									
4										
Base Sample Number	Workplace Name	Process Name	Sample Date (from Sample)	Total Sampling Time			Unit Abbreviation	Twa Value	TWA UOM	OEL Value
6 00000QB7	094A Aircraft Structural Maintenance	B-52 Touch-Up Painting (CCF)	27-Mar-09 09:35:00	52	=	0.03680	mg/m3	0.003987	mg/m3	0.0050
		Priming/Painting Support Equipment(AGE)	14-Oct-09 09:04:00	33		0.04270		0.002936		0.0050
		Priming/Painting Support Equipment(AGE)	20-Jan-11 09:11:00	4	=	0.09850	mg/m3	0.821000	NÜLL	0.2000
9 000010A7	101A Metals Technology	MIG WELDING	17-Jul-09 09:18:00	42	<	0.02480		0.017536	mg/m3	0.0200
10 000010A7	101A Metals Technology	MIG WELDING	17-Jul-09 09:18:00	42	<	0.00248	mg/m3	0.001754		0.0020
11 00000HUR	146A Firing Range (CATM)	WEAPONS QUALIFICATION TRAINING	06-Aug-08 17:24:00	180	=	0.43800	mg/m3	0.164250	mg/m3	0.0500
12 00000HUR	146A Firing Range (CATM)	WEAPONS QUALIFICATION TRAINING	06-Aug-08 17:24:00	180	=	0.43800	mg/m3	0.164250	mg/m3	0.0500



Operation Tomodachi

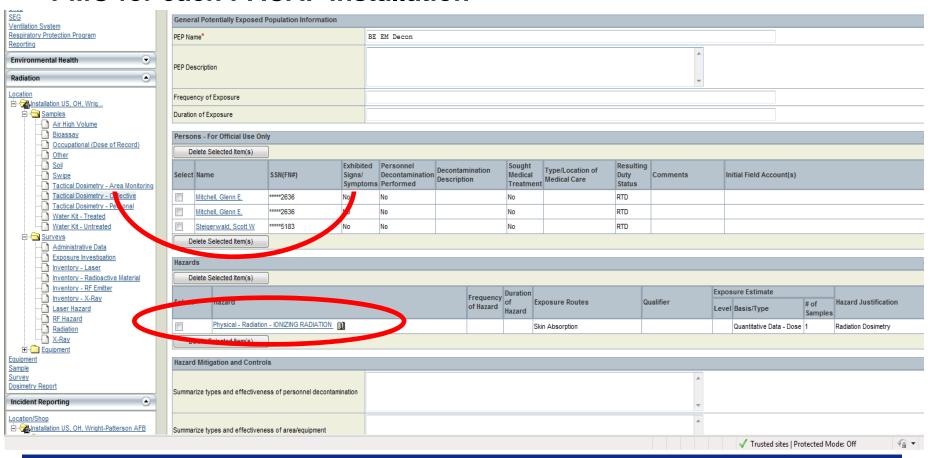
Utilized recently developed Incident Reporting Module to capture populations of interest and radiological sampling/survey data





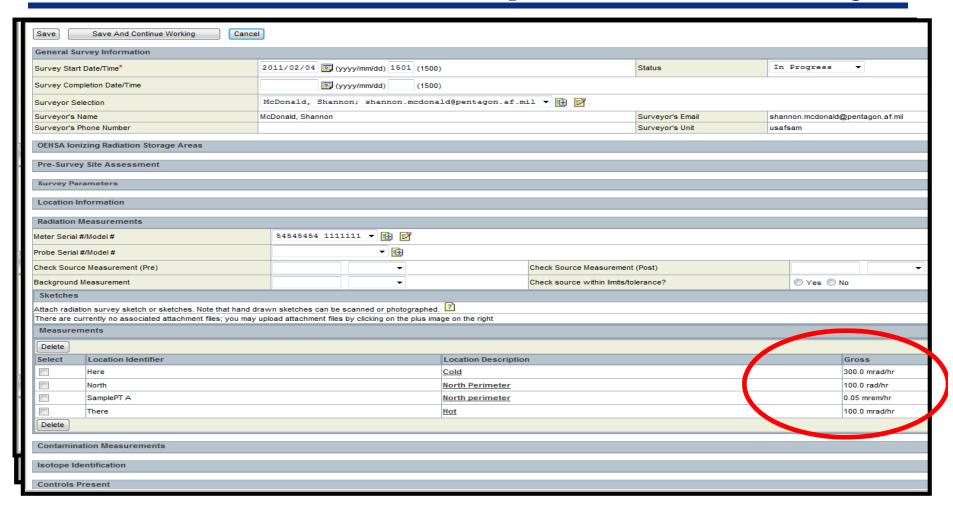
Operation Tomodachi

Populations of Interest (POIs) were established by the DOEHRS
 PMO for each PACAF installation





Op Tomodachi Rad Samples and Surveys





Additional Uses

- Discoverer recently used to ID currently assigned REGULATED AREA administrative controls for all AF bases
- Some bases are using reports available in DOEHRS as attachments to shop survey letters
 - RPP Fit-Test Status Report
 - Certified PPE List
 - Carcinogen and Reproductive Hazards
- DO have a need for standardized, formatted reports out of DOEHRS to minimize duplicate work efforts and to clearly communicate health risk assessment data to our AF customers

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Occupational Health Reporting

Minot AFB

- Developed solution by pulling data out of DOEHRS using Discoverer Plus
- Built Microsoft Access "front end"
- Developed DOEHRS-based reports for Air Combat Command
- Key Issues:
 - Standardized data entry procedures



DOEHRS Reporting Suite

DOEHRS Reporting Suite United States Air Force DRS Admin Guide **DOEHRS Field Guide** Bioenvironmental Engineering my.AF.mil USAF BE CoP Select the MAJCOM, Installation and Workplace of interest: ACC 1. MAJCOM: (optional) Select Hazard of IONIZING RADIATION Interest, i.e. Chromium(VI): ₽• 2. Installation: Minot AFB DOEHRS - OR -> Workplace: 5 MXS Aircraft Structural Maintenance 2 3. Workplace ID: 243A Organization: 5 MAINTENANCE SQ FFDL30 **OEH Risk Communication OEH Clinical Surveillance** OEH Recordkeeping For Commanders and Supervisors For Team Aerospace For Bioenvironmental Engineers AFMAN 48-146 Chapters 1, 2 and 3 AFMAN 48-146 Chapter 5 AFMAN 48-146 Chapter 4 Wg CC Packet **OEHED Industrial Hygiene Packet** Read before clicking OEHED Click here for content and quidance. Click here for content and quidance. Personnel Rosters Squadron CC Brief Click here for content and guidance. Workplace Packet Pregnancy Profile Resource Click here for content and quidance.

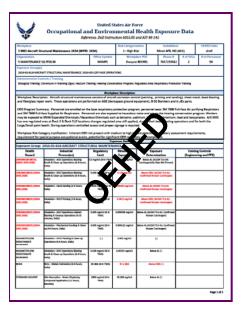


DOEHRS Reporting Suite

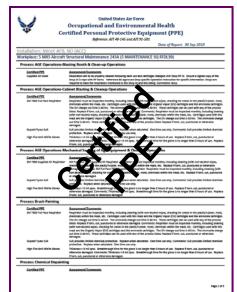
		For Bioenvironn	Managment nental Engineers hapters 1, 2 and 3			
Workplace-Level		Installation-Level		MAJCOM-Level		
SEGs Processes	Equipment Hazards	Workplaces by Risk Workplaces by Unit	Workplaces by WPID	Workplace Totals Workplace Details	, controlly	
OSHA Expanded Noise Assessment	PHE - 2758 Air Sampling	OSHA Expanded Worst Noise Haz	Hazard of Interest Air Sampling >AL	Hazard of Interest Air Sampling >OEEL		
Process Controls Hazard Controls	Admin Controls Certified PPE (*)	Engineering Ctrls				
Open RACs RAC History	ESOHCAMP Specials/WMPs	Open RACs	Special Surveys	MAJCOM RACs	c	

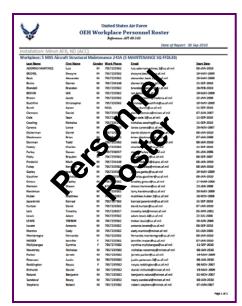


Example Reports







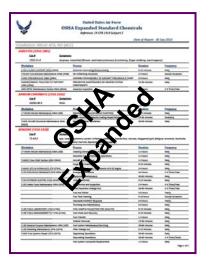




Future Reporting Capability

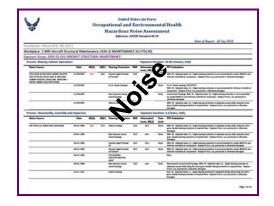
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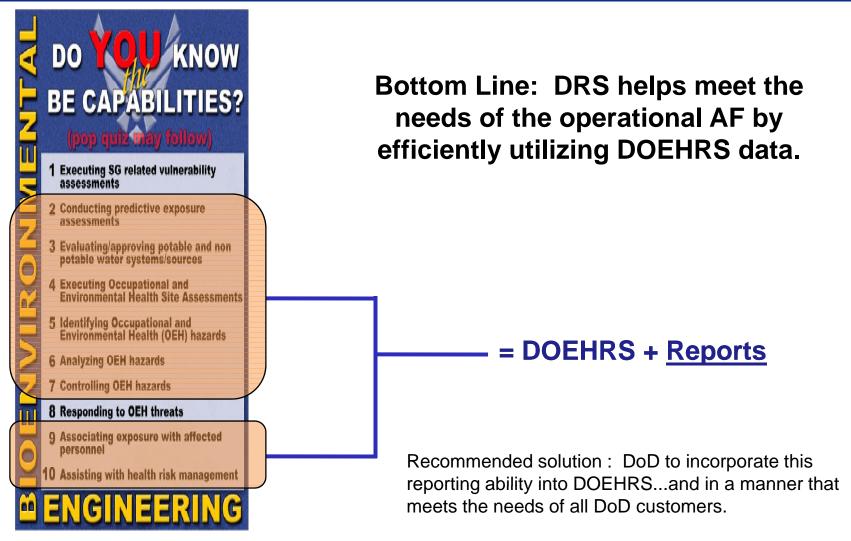








DOEHRS Reporting





DOEHRS Use by USAF

Please hold your questions for now!