

# Environmental Health Breakout

Guy Camomilli, MPH, CSP, CHMM

Bart Geyer, CIH, CSP

Kurt Geber, MS, CHP

OCHMO



# Agenda

**Agency EH Update**

*Guy Camomilli, NASA HQ*

**Buy Quiet/Quiet by Design Tools**

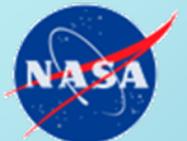
*Beth Cooper, NASA GRC*

**Laboratory H&S Inspections**

*Mike Charlton, UT -SA HSC*

**OELs and DNELs**

*Jimmy Perkins, ACGIH*



# Agency Update

Guy Camomilli  
Sr. Environmental Health Officer  
Chief Health and Medical Office



# AIHCE 2010 Recap

All-time High Attendance by NASA IH Staff  
Tremendous Management Support  
NASA No-Host Gathering Monday Night  
Five Presentations by NASA IH's  
Networking and Camaraderie

# NPR 1800.1 Revision

- 4.1 Intro – **Rev**
- 4.2 Occ. Exposure Limits – **Rev**
- 4.3 Occ. Exposure Assessment and Mgmt – **Rev**
- 4.4 Sampling, Anal. Methods, and Eqpt. Cal – **Rev**
- 4.5 Reprod and Devel. Health – **New**
- 4.6 Nanotoxicology – **New**
- 4.7 Control of Haz. Substances and Articles – **New**
- 4.8 Hearing Conservation – **Rev**
- 4.9 Ergo – **Rev**



# NPR 1800.1 Revisions (cont.)

4.10 Indoor Air Quality – **New**

4.11 Biosafety – **New**

4.12 Food Safety – **Rev**

4.13 Radiation, General – **Rev**

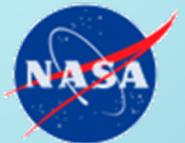
4.14 Radioactive Materials – **New**

4.15 Rad-Generating Equipment – **New**

4.16 Laser and Non-laser Optical Radiation – **New**

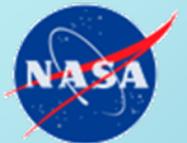
4.17 RF Electromagnetic Radiation – **New**

Chapter 7, Occupational Health Program Review  
Process – **Rev** – More on this later



# OCHMO EH/Center Conference Calls

- ▶ Goal – 1 Center/Month
- ▶ Promotion of Camaraderie – No Agendas
- ▶ Called: MAF 8/09, MSFC 8/09, JPL 9/09, WSTF 10/09, LaRC 1/10, ARC 3/10
- ▶ Next *planned*: DFRC, GRC/PBS, JSC, GSFC/WFF



# Buy Quiet/Quiet by Design

- ▶ Form NF 1707
  - Inclusion of BQ wording
  - Possibly Section 6 Name Change: Safety & Health

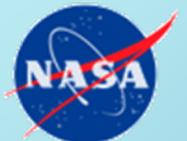
SECTION 6 — SAFETY	
<input type="checkbox"/>	THIS PROCUREMENT DOES NOT ACQUIRE ANY HAZARDOUS MATERIALS NOR ARE HAZARDOUS MATERIALS USED IN PRODUCTION OR PERFORMANCE OF SERVICE UNDER THIS PROCUREMENT
OR	
<input type="checkbox"/>	THIS PROCUREMENT IS FOR, OR PERFORMANCE REQUIRES THE USE OF, ANY OF THE FOLLOWING:
	- EXPLOSIVES OR PYROTECHNICS
	- RADIOACTIVE MATERIALS AND EQUIPMENT WHICH MAY EMIT IONIZING RADON
	- CONTROLLED SUBSTANCES AND PRESCRIPTION DRUGS
	- EQUIPMENT THAT EMITS AIR CONTAMINANTS OR WASTE WATER DISCHARGE
	- AIR POLLUTANTS (e.g. regulated gases, volatile solvents, paints and coatings with VOC)

- NASA FAR Supplement Changes for DRD Contract Requirements



# LASERs

- ▶ NASA and FAA Coordination – Overall Improvements
- ▶ SAE G10T , AS6029 “Performance Criteria for Laser Control Measures” February 2011
- ▶ Outdoor LASER Safety Packages
  - Timely Request for FAA LOD – Mandatory
  - LOD – Not Mandatory
  - FAA Software Training
- ▶ Laser Medical Surveillance
  - Re-baseline for missing records
  - Assure access to baseline records



# EHRS IH Module Progress

- May '09 Original target for SSC implementation
- Jun '09 On hold – IT data security data issues
- Jul '09 IH Breakout – Marathon Oil Experiences
- Sep '09 IH Webinar – CSX IH Experiences
- Dec '09 IH Webinar – Working Group Status
- Jan '10 IH data call LaRC and GRC
- May '10 Contract issues still being worked
- Jul '10 Reconvene IH working group
- Oct '10 New date for SSC Rollout(very tentative)



# Training/Activities/Resources

- ▶ IH and HP Reference Publications
- ▶ Monthly/Quarterly EH/HP ViTS & Webinars
- ▶ Monthly Newsletter
- ▶ NASA Environmental Health Website Updates
- ▶ ChemWatch Resources & Upcoming Training
- ▶ 2010 ACGIH TLV Documentation online – July
- ▶ NCRP Report No. 119, “A Practical Guide to the Determination of Human Exposure to Radiofrequency Fields”



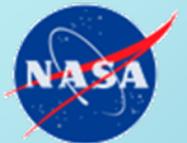
# Recent Training

- ▶ Nonionizing Radiation Safety Refresher @ KSC
- ▶ Making Decisions Ethically – SATERN
- ▶ Process Safety Management Course @ KSC
- ▶ 8-Hr LSO Refresher – Webinar
- ▶ Ethics for the EHS Professional – Webinar/ViTS
- ▶ EH Training in Emergency Response @ KSC
- ▶ Ergonomic Tools – Webinar



# Food Inspector Training

- ▶ Training at KSC by KSC Personnel
- ▶ Inspectors trained to inspect to:
  - FDA Food Code
  - HACCP
  - FDA Voluntary Standards



# Upcoming EH ViTS

- ▶ June 17<sup>th</sup> “Respiratory Protection Programs”
- ▶ July 13<sup>th</sup> “ABIH/CIH Update”



# VPP Update

- ▶ SSC – Almost Complete
- ▶ GSFC & WFF – Moving Forward



# Agency Review Policy Changes

- ▶ Triennial Reviews
- ▶ Corrective Action Plans Each 6 months Only
- ▶ Initial Report by Letter to CD
- ▶ Initial Reply by Letter from CD
- ▶ Subsequent CAP Correspondence by email
- ▶ Center Rating and Pass/Fail Criteria



# Agency OH Review Schedule

## 2010

- ✓ MAF January
- ✓ MSFC March
- ✓ HQ May
- KSC August
- DFRC October

## 2011

- ARC January
- SSC March
- GRC/PBS May
- LaRC October

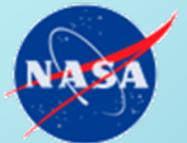
## 2012

- JPL January
- WSTF March
- JSC May
- WFF June
- GSFC October



# Annual Center Self Reviews

- ▶ Required by NPR 1800.1C
- ▶ Due to OCHMO on Non-Review Years
- ▶ Due on the Month of the Centers' Review
- ▶ Use the OCHMO OH Questionnaires



# Current Topics

- ▶ **Baseline Services Level (BSL)**
  - Decision to base recommendations on requirements at Center Level
  - Final decision for CMO proportions with Dr. Whitlow pending
- ▶ **Management of EH Records at NASA**
  - Environmental Model

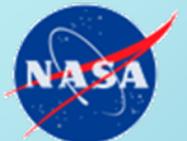
Schedule for Environmental Management Records

<u>AFS #</u>	<u>ITEM</u>	<u>SUBJECT AREA OR RECORD TITLE</u> <u>DESCRIPTION OF RECORD SERIES</u>	<u>RETENTION</u> <u>&lt;Authority&gt;</u>
8500		Environmental Management (General)	
	23	<p><b>Environmental Management Records</b></p> <p><b>A. General activities.</b></p> <p>Records documenting general activities in monitoring the environment, conducting operations in an environmentally acceptable manner, and complying with federal, state and/local environmental protection statutes, regulations, and Executive Orders including, but not limited to, NEPA, NHPA, RCRA, CWA, CAA, ESA, and EPCRA, and not linked to an incident or proposed or existing specific project, program, or incident.</p> <p>1. Significant correspondence and supporting documents</p>	CUT OFF ANNUALLY. DESTROY 10 YEARS AFTER CUTOFF OR WHEN NO LONGER NEEDED, WHICHEVER IS LATER. SEE ALSO NOTE 3.



# Going Forward

- ▶ AIHce No-Host Dinners
- ▶ ViTS, WebEx Communication, and Training
- ▶ OCHMO/Center Telephone Tag Ups
- ▶ Buy Quiet/Quiet By Design
- ▶ OH Records Management
- ▶ Automated Outdoor Laser Promotion
- ▶ BSL Finalization
- ▶ EHRS Implementation
- ▶ NPR 1800.1 Chapters 4 and 7 Tweaking
- ▶ Triennial Reviews with 6 Month Status



# Open Discussion Session

Thursday Afternoon  
Informal Format  
2:45 – 4:30

