



# NASA Environmental Health Update 2009 Occupational Health Meeting

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# Topics

- NPR 1800.1 Review and Revision Status
- Resources
- ViTS
- Training
- OCHMO Reviews
- Past Challenges, and a Look Ahead
- Recent Events
- Future Changes





# NPR 1800.1

## EH Sections Revised – NPR 1800 Chapter 4

- Regulatory Compliance (4.1 – rolled into an EH General section)
- Occupational Exposure Assessment and Management (4.2)
- Occupational Exposure Limits (4.3)
- Sampling, Analytical methods, and Equipment Calibration (4.4)

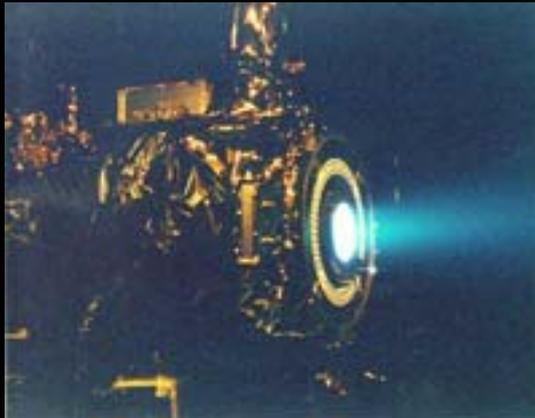




# NPR 1800.1

## EH Sections Added– NPR 1800 Chapter 4

- Developmental and Reproductive Health
- Nanotoxicology
- Acquisition Control of Hazardous Materials and Articles

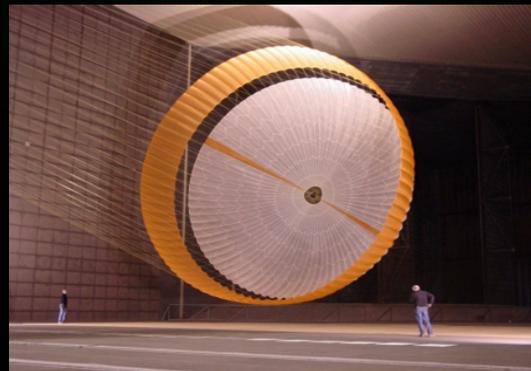




# NPR 1800.1

## EH Sections Added– NPR 1800 Chapter 4

- Radiation - General
- Radioactive Materials
- Radiation Generating Equipment (Ionizing)
- Laser and Non Laser Optical Radiation
- Radiofrequency Electromagnetic Radiation





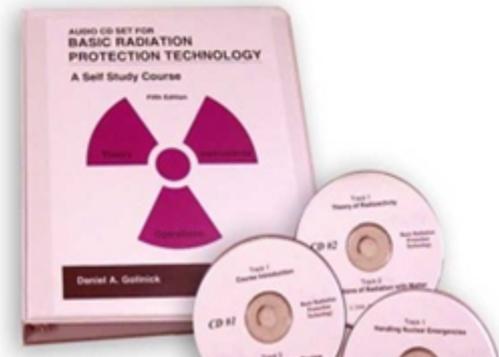
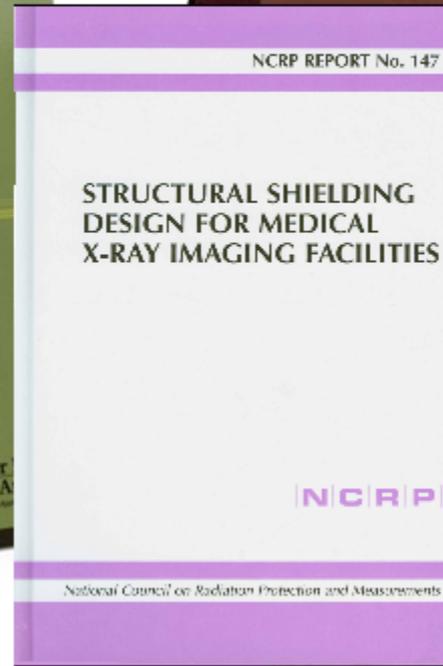
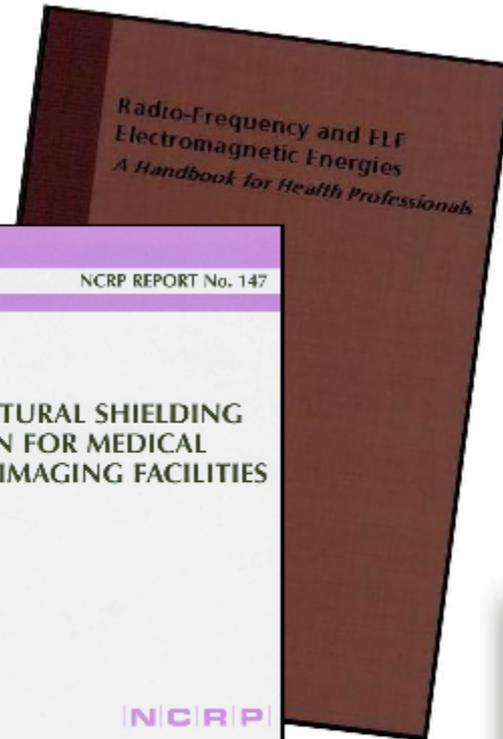
# NPR 1800.1

- Put Into NODIS: Completed
- Non-concurrence at a Document Level: Completed
- Answering Comments: Completed
- Approved by Legal: Completed
- Final Approval: Pending Signature, 7-12-09





# Resources





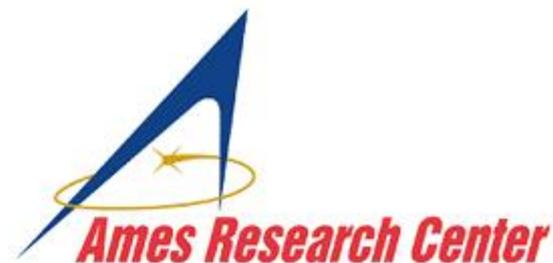
# Other Resources

- Health Promotions:
  - Mayo Clinic *Embody Health* 2009
  - 2009 *Healthieryou* Calendar
- Center Communications:
  - NASA Occupational Health Website  
<http://ohp.nasa.gov>
  - Monthly Occupational Health Newsletter
- Periodic Updates of Reference Books





# Quarterly HP ViTS





# Training Sponsored



Laser Safety Course  
at GSFC Aug-08

8-hour LSO WebEx  
31-Aug to 3-Sep

LSO and RF Course  
at KSC Jul 20-23, 2009

8-hour LSO WebEx  
Dates: TBD

Laser Safety Course  
at MSFC Apr-09



# OCHMO Reviews

- Now Triennial
  - Need to be Value Added
  - Continual Improvement
- New Requirements for Ratings
- Schedule for 2009:
  - JPL – January
  - WSTF – March
  - JSC – May
  - WFF – July
  - GSFC – October





# Rating and Pass/Fail Criteria

- Begins January 2010
- Discipline Level Pass Criteria
  - Overall  $\geq$  75% (scored/total points possible)
  - No nonconformance findings of Mandatory Compliance Items
- Overall OH Program Level Pass Criteria
  - Overall  $\geq$  75 % (scored/total points possible)
  - Passing all or all but one discipline area



# Other Review Changes

- Corrective Action Plans
  - First from OCHMO to the Center Director
  - First response from the Center Director
  - Subsequent 6 months status reports by email
  - OCHMO replies to status reports by email to the COTR
  - Suggestion for initial response from lead to COTR with cc's to the CD and OCHMO Management



# Generic Triennial Schedule

	YEAR 1	YEAR 2	YEAR 3
JANUARY (Last Week)	JPL	MAF	ARC
MARCH (Third Week)	WSTF	MSFC	SSC
MAY (Second Week)	JSC	HQ	GRC
AUGUST (Second Week)	WFF	KSC	LaRC
OCTOBER (Last Week)	GSFC	DFRC	



# Generic Triennial Schedule

	Occupational Health	Environmental	Safety
ARC	2011	2012	2010
DFRC	2010	2012	2011
GRC *	2011	2010	2012
GSFC	2012	2011	2010
HQ	2010		2011
JPL **	2012	2011	2010
JSC	2012	2011	2010
KSC	2010	2010	2012
LaRC	2011	2011	2012
MAF	2010	2012	2011
MSFC	2010	2010	2012
SSC	2011	2010	2012
WFF	2012	2011	2010
WSTF	2012	2012	2010



# Last Year's Challenges

- NRC Inspections
- Increased Controls Order
- National Source Tracking Database
- Tritium Exit Sign Inventory and Control



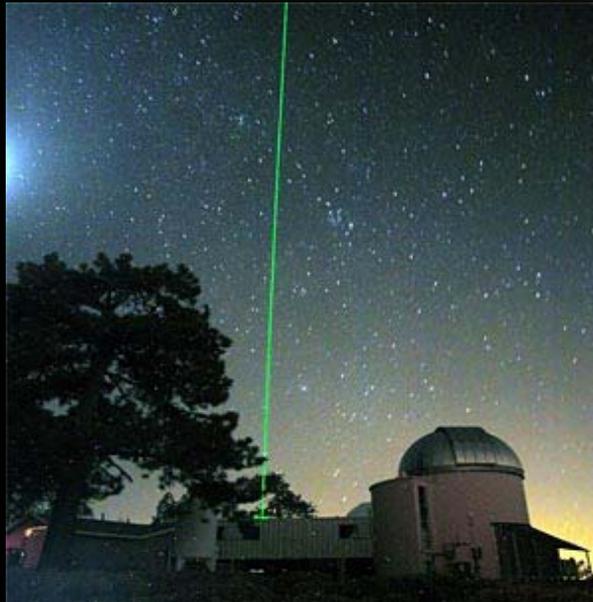
## A Look Ahead

- |  |      |
|--|------|
| • Power Beaming Challenge                | 2009 |
| • Mars Science Lab - Major Source Launch | 2011 |
| • GSFC/WFF Major Source Launch           | 2012 |
| • Plum Brook Reactor Decommissioning     | 2011 |



# Recent Events

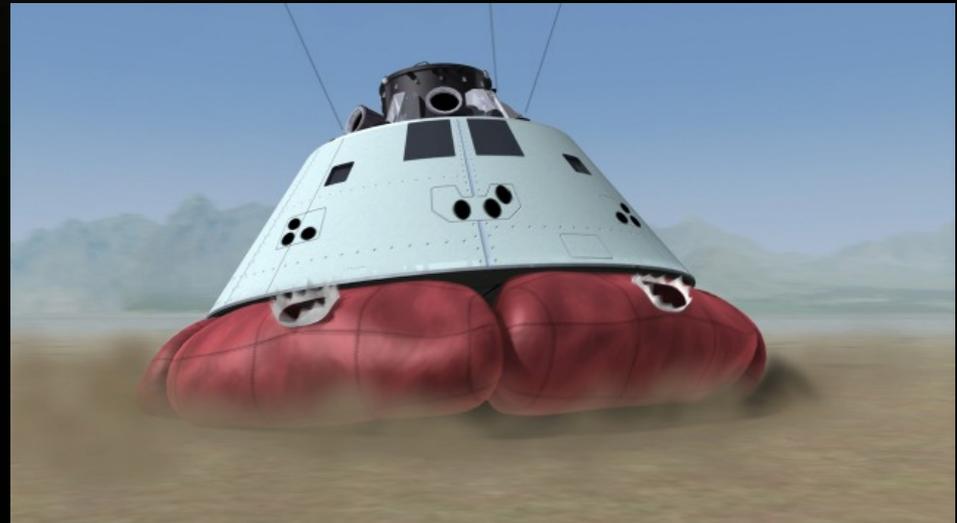
- NRC Demand for Tritium Exit Sign Information
- SAE G10-T Outdoor Laser Subcommittee 4/27 – 5/1





# Changes and New Ideas

- Advocate
  - Website
  - Consultation Support
  - Limited Tangible Resources  
(Training/Books)
  - Tag Up Phone Calls





# Questions and Discussion

