

# **Common NASA Safety/Health/Environmental Audit Review Areas**

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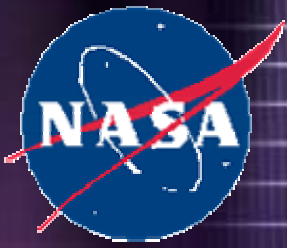
# **Focus of HQ Audits**

## **Considerations:**

**Occupational Health focus is on health and medical services, personnel exposure monitoring and protection**

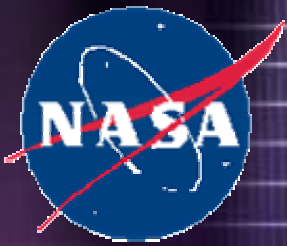
**Safety focus is on compliance with OSHA requirements for workplace safety**

**Environmental Compliance focus is on EMS, compliance with Federal, State, and local EPA requirements**



# Process Undertaken

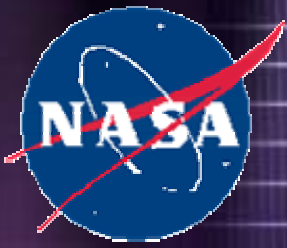
- **Several HQ S/H/E coordination meetings held to discuss potential areas of audit overlap**
- **Lists of audit review areas derived for determination of potential overlap**
- **Matrix developed to determine overlap**
- **Inter-communication of S/H/E audit findings**



# **Preliminary Results**

## ***(Cont'd.)***

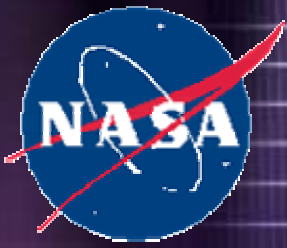
- **Primary Responsibility: Audit area where responsibility has no, or minimal overlap**
- **Shared Responsibility: Audit area where responsibilities is shared by two or more HQ Organizations**



# Primary Areas

## Safety:

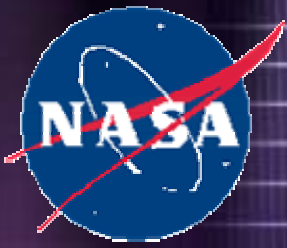
- **Systems Safety**
- **Process Safety Management**
- **Heavy Equipment Operations**
- **Diving Operations & Non-Open Water Facilities**
- **Flight and Spacecraft Operations**
- **Lock-Out/Tag-Out**
- **Facilities and Equipment Design**



# **Primary Areas (*Cont'd.*)**

## **Environmental Compliance:**

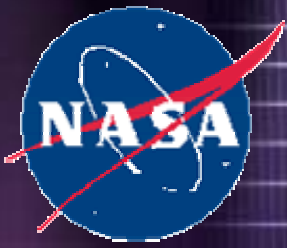
- **Wastewater and Sewage**
- **Drinking Water Quality**
- **Hazardous Materials Handling and Storage**
- **Pesticides**
- **Outdoor Air Quality**
- **Chemical Spill Response**



# **Primary Areas (*Cont'd.*)**

## **Occupational Health:**

- **Indoor Air Quality**
- **Illumination**
- **Food Sanitation and Protection**
- **Heat Stress**
- **Thermal Exposures**
- **Other Physical Hazards (Vibration  
Ultrasound, etc.)**
- **Medical**
- **Biological Contamination**

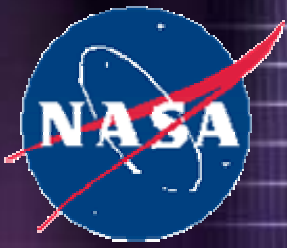


# **Primary Areas (*Cont'd.*)**

## **Occupational Health (Cont'd)**

- **Infection Control/Biosafety**
- **Exposure to Animal Hazards**
- **Employee Assistance Programs**
- **Workers' Compensation**
- **Disabilities**
- **Off-job Preventive Programs**
- **Medical Screening**
- **Exposure Standard Selection (PEL, TLV, etc.)**

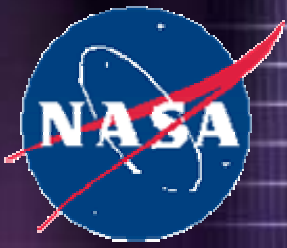




# **Primary Areas (*Cont'd.*)**

## **Occupational Health (Cont'd)**

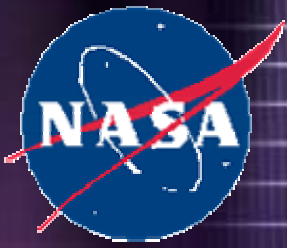
- **International Travel**
- **Radiation Safety**
- **Hazard Communication**
- **Material Safety Data Sheet**
- **Fitness, Wellness and preventive programs**
- **Personnel Protective Equipment**
- **Laboratory Environmental, Health, and Safety**
- **Confined Space Entry**



# Shared Areas

## Two Organizations or More:

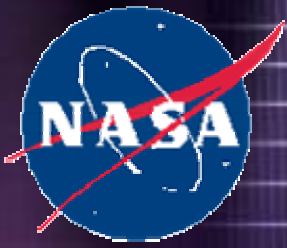
- **Hazard Risk Assessment, Hazard Analysis, and Hazard Criticality Rating Systems**
- **Hazard Abatement Plan – Including Exposure Controls**
- **Soldering and Welding**
- **Spray Painting**
- **Air Sampling**



# **Shared Areas (*Cont'd.*)**

## **Two Organizations or More Cont'd)**

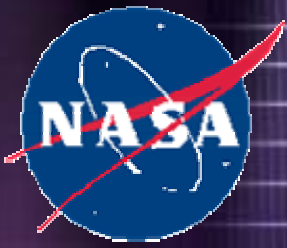
- **Ventilation, Local Exhaust and Dilution**
- **Noise & Hearing Conservation**
- **Mishap Reporting**
- **Fire Protection**
- **Ergonomics, Human Factors Engineering, and Musculoskeletal Disorders**



# **Shared Areas (*Cont'd.*)**

## **Two Organizations or More (Cont'd)**

- **Childcare Facilities**
- **Abrasive Blasting**
- **Education, Training & Certification**
- **Configuration Management & Recordkeeping**
- **Hazardous Materials Procurement**
- **Blood Borne Pathogens (BBP) and Infectious Agents**



# Future Plans

## Agency S/H/E Organizations will:

- Continue to conduct separate audits
- Share audit schedule information to minimize audit impact to the Centers
- Share audit results among each other