

Final Minutes of the Tier I Working Group Meeting FY 2010 Q3 held August 23, 2010
Safety and Health Services Division
Brookhaven National Laboratory

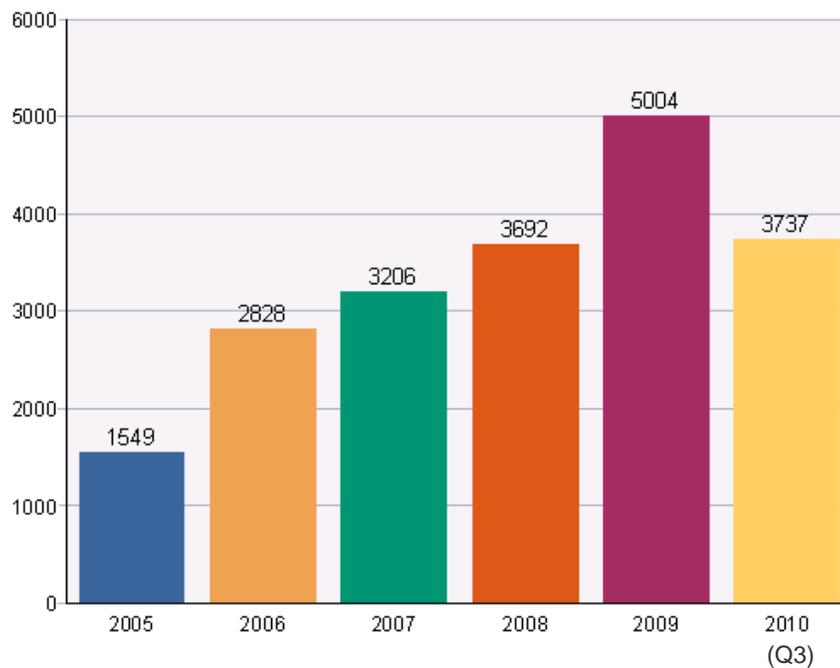
Attendees

R. Backofen, P. Bender, P. Carr, K. Conkling, C. Conrad, R. DiNardo, S. Kane, K. Klaus, A. Moodenbaugh, D. Passarello, M. VanEssendelft

Agenda

- 1 Rollup of 3rd Quarter FY 2010 Tier I Inspection Findings
- 2 Latest Status on Maximo Upgrade and Timetable for Common Database
- 3 Finalize Tier I List of Categories and Subcategories
- 4 Open Discussion (Issues & Good Practices)

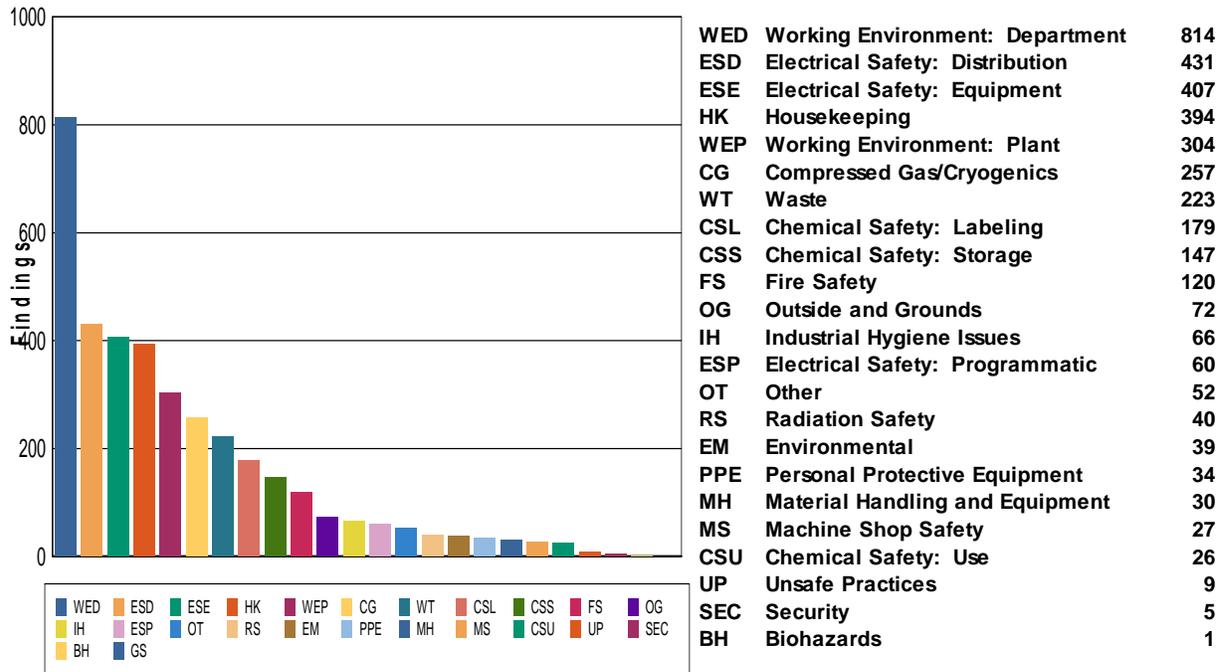
Data Rollup of Tier I Findings by Fiscal Year



The following points were made by S. Kane:

1. The folks did pretty well this quarter and already the number of findings this FY have exceeded the number of findings in FY 2008.
2. You are on track to match the number of findings in FY 2009.
3. The number of findings is starting to plateau, but the types of findings are starting to change.

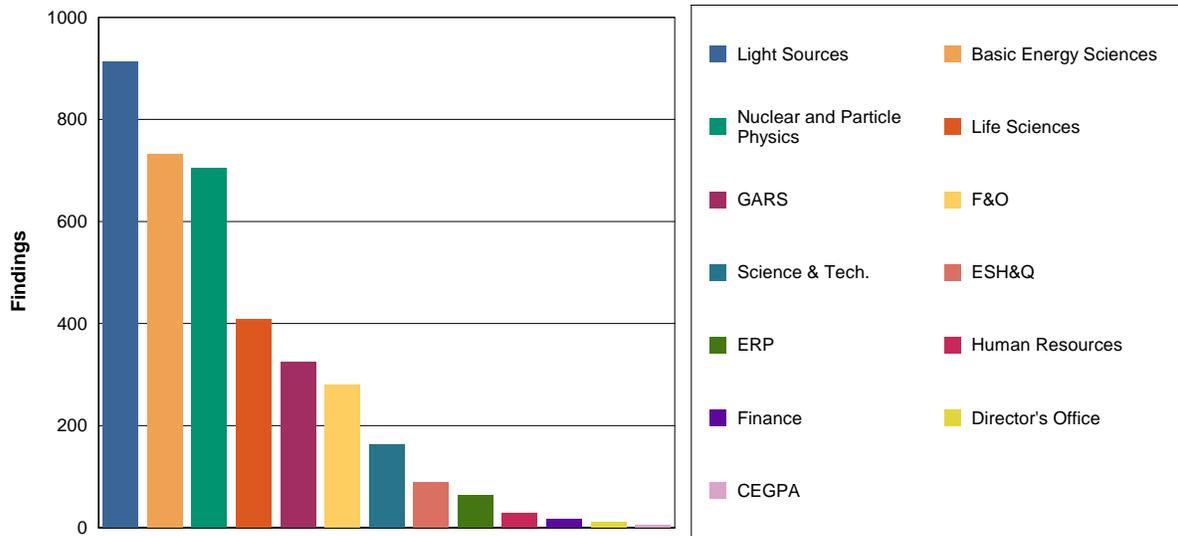
Data Rollup of FY 2010 Q3 Tier I Findings by Category



The following points were made by S. Kane:

- 1 The single greatest category is Working Environment: Department (WED) which is a positive swing and shows the folks are looking at what they are responsible for and they can fix.
- 2 The two electrical categories--Electrical Safety: Distribution and Electrical Safety: Equipment--combined are greater than the number of findings in WED.
 - 2.1 This may be due to legacy electrical issues which eventually will have to be addressed.
- 3 Compressed Gas/Cryogenics is in the top 7 findings which may be due to the survey conducted by DOE this past Fall on compressed gas and other cryogenic issues.
- 4 Fire Safety has not been this high in the past.
 - 4.1 Flammable cabinet deficiencies may have been written up as either Fire Safety or Chemical Safety issues, but the important thing is that they get written up.
 - 4.2 The number of Fire Safety findings have been as follows: FY 2005 – 55; FY 2006 – 77; FY 2007 – 109; FY 2008 – 102; FY 2009 – 103; FY 2010 (through Q3) – 120.

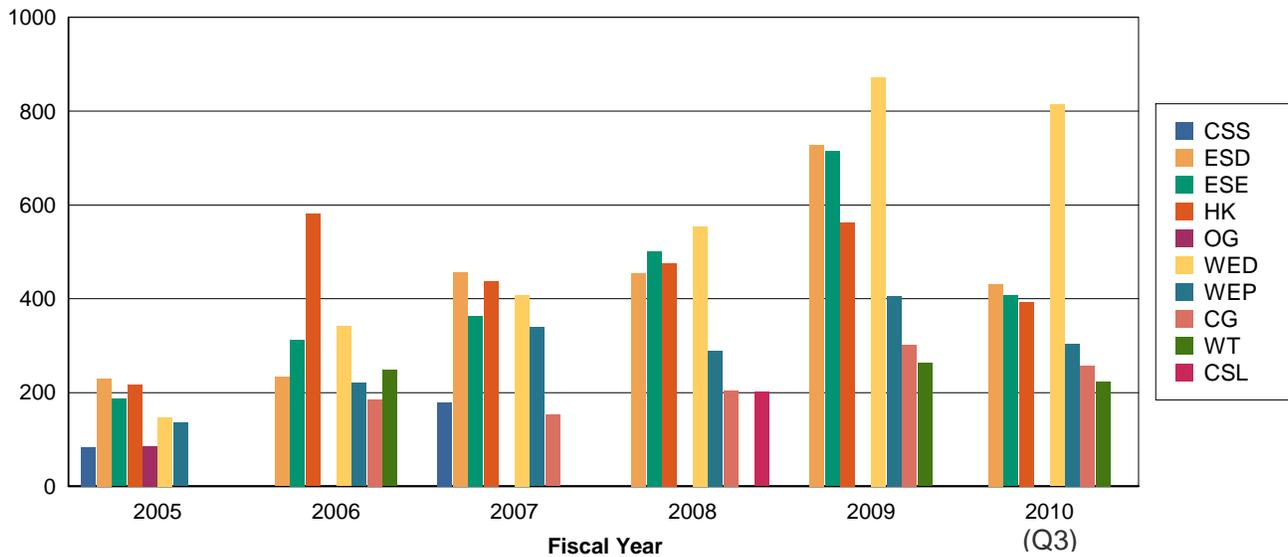
Data Rollup of FY 2010 Q3 Tier I Findings by Directorate



The following points were made by S. Kane:

- 1 Light Sources is way up there.
- 2 Basic Energy Sciences is doing a real nice job; they have over 700 findings in 3 Departments across 3.5 buildings.
- 3 Nuclear and Particle Physics have more than 100 buildings, and S. Kane believes they should have more than 700 findings.
- 4 Life Sciences are a distant fourth with 3 or 4 buildings.
- 5 GARS have 12-15 buildings, of which maybe 5 buildings have research.
- 6 F&O is way down there. They have small pieces of several buildings plus 5 or 6 buildings of their own.
- 7 The group was asked if anyone knew what divisions are in Science Technology. Addendum: This directorate is comprised of Information Technology Division, Information Sciences Division, Computational Science Center, and Guest, User, Visitor Center.
- 8 ESH&Q has mostly hazardous waste findings, and next fiscal year ERP will merge with ESH&Q.
- 9 HR, Finance, Director's Office and CEGPA are primarily office buildings with their Tier I inspection being done once a year.

Data Rollup of Tier I Findings by Top 7 Categories by Fiscal Year



WED	Working Environment: Department	814
ESD	Electrical Safety: Distribution	431
ESE	Electrical Safety: Equipment	407
HK	Housekeeping	394
WEP	Working Environment: Plant	304
CG	Compressed Gas/Cryogenics	257
WT	Waste	223

The following points were made by S. Kane:

- 1 Over the past six years the same five categories have been the top five (ESD, ESE, HK, WED, and WEP).
- 2 Compressed Gas/Cryogenics findings go along with the DOE survey of compressed gas conducted last Fall.

Latest Status on Maximo Upgrade and Timetable for Common Database

The following points were made by S. Kane:

- 1 The new version of Maximo has a different interface with PeopleSoft, and as opposed to taking files that were just dumped out of PeopleSoft this version will interact directly with middleware instead of static files and will be more dynamic.
- 2 The upgrade to Maximo automatically handles email notification and work flow to F&O that puts in work orders.
- 3 The database is currently undergoing QA.
- 4 BSD hired a term programmer which allows the Maximo-trained programmer to complete the database.
- 5 The new Tier I database is estimated to be ready in April 2011, although BSD hopes to complete it earlier.
 - 5.1 This is timely as the database will probably be ready around the time that Integrated Facility Management has established their program requirements.
- 6 After the new database has been used for a year, the categories/subcategories will be revisited, and those subcategories not used will be removed, and those subcategories used a lot may be broken down into more subcategories.
- 7 A dictionary defining the categories/subcategories will be provided (Action: S. Kane).

Finalize Tier I List of Categories and Subcategories

The following points were made by S. Kane and the Working Group:

- 1 After the last meeting, the Tier I list of categories and subcategories was sent to the Working Group and comments received from P. Carr, R. Biscardi, and S. Ferrone were incorporated.
 - 1.1 A review was conducted comparing this list with the BNL Housekeeping Standard and categories from the Housekeeping Standard were incorporated.
- 2 The "Biohazards and Chemical Safety: Labeling" categories had no changes.
- 3 Under "Chemical Safety: Storage", the following points were made:
 - 3.1 Change "Chemicals storage in fume hood kept to a minimum" to "Storage impedes fume hood operation."
 - 3.2 "Corrosives not stored below eye level" was kept in the list as this is a requirement in SBMS.
 - 3.2.1 S. Kane will check why acids are not included along with corrosives.
 - 3.3 Change "Designated area (e.g., Carcinogen/Nanomaterial/Reproductive hazard) not posted" to "Particularly Hazardous Substances designated area not posted".
 - 3.4 Move "Excessive materials accumulated in laboratory hoods or on work benches" to the "Housekeeping" category.
 - 3.5 "No Secondary Containment (e.g., trays) for hazardous liquids" belongs in this category because some raw unused chemicals are required to be kept in secondary containment even though they are not yet waste. (Action: S. Kane will ask S. Ferrone if this is an environmental concern.)
 - 3.6 F&O annually checks that eyewash/showers are functional; therefore only the availability of eyewash/shower will be captured as a subcategory.
 - 3.7 List the two subcategories concerning nanomaterials consecutively.
- 4 Under "Chemical Safety: Use", the following points were made:
 - 4.1 "Carcinogen reproductive hazard and/or acute toxin requirements not met" is very broad. If it gets a lot of use, it will be revisited.
 - 4.2 Move "Work area cluttered or dirty" to "Housekeeping".
 - 4.3 Delete "No substitution of less hazardous chemical" as this is discussed during an ESR and is not found on a Tier I.
 - 4.4 Delete "Work area not appropriate for level of hazard (e.g. use of a solvent outside of an exhaust hood, use of a Biohazardous material outside of a BSL designated area)."
 - 4.5 Delete "Work area not appropriate for chemical type."
 - 4.6 Added "Leaking chemical containers or piping" from "Environmental" as the WG felt that this would be captured under either "Chemical Safety: Storage" or "Housekeeping".
 - 4.7 Ask Diane Cabelli, John Peters, or Bob Selvey if they can live with items 3.4 through 3.6 above being deleted.
 - 4.7.1 The Working Group said that the Tier I folks would not know this information.
- 5 Under "Compressed Gas" the following points were made:
 - 5.1 Change "Cylinders on carts when not in use (valve protection caps not installed)" to "Cylinders stored on carts".
 - 5.2 Change "Cylinders not secured" to "Cylinders not secured properly".
 - 5.3 Change "Equipment/piping not appropriate for cryogen use" to "Equipment/piping not appropriate for cryogen use (e.g. tubing or piping not rated for the regulator pressure)".
 - 5.4 Delete "Improper storage and handling of cylinders".
 - 5.5 Move "PPE for cryogen transfer not available or not used" to the "PPE" category.
 - 5.6 Compressed gas is not the only thing that has static postings, but it is the most frequently used.
- 6 Under "Electrical Safety: Distribution" the following points were made:
 - 6.1 Change "Electrical distribution panels blocked" to "Electrical distribution panels/disconnects blocked".
 - 6.1.1 Dimensions for the area that should be kept clear will be provided. (Action for S. Kane)
 - 6.2 Change "Electrical distribution panels not labeled" to "Electrical distribution panels/disconnects not labeled".
 - 6.3 "Wiring in hazardous areas not reviewed or in compliance" was moved to this category from "Electrical Safety: Programmatic".
 - 6.4 Change "Improper grounding" to "Improper grounding/bonding".
 - 6.5 Change "Missing knockouts" to "Missing knockouts/hardware".
 - 6.6 Add "GFCI does not trip".
 - 6.7 Add "improper" to "LO/TO tags: improper, outdated, not durable, illegible, not completely filled out".

- 6.8 Delete "Emergency disconnect switches not labeled" as this is included in "Breakers or disconnects not labeled".
- 7 Under "Electrical Safety: Equipment" the following points were made:
 - 7.1 Change "Lack of strain relief" to "Missing or damaged strain relief".
 - 7.2 Change "UL" to "NRTL" in "Not NRTL listed or EEI inspected". "UL" is one of the NRTL's.
 - 7.3 Change "GFCI does not trip" to "Portable GFCI does not trip".
 - 7.4 Replace "Screws missing, unplugged openings" with "Loose or missing covers on panels, raceways or outlets" from Electrical Safety: Department.
 - 7.5 Add "LO/TO non-compliance".
 - 7.6 Delete "Panel/disconnects blocked by programmatic equipment/material, < 36" in front".
- 8 Under "Electrical Safety: Programmatic" the following points were made:
 - 8.1 Delete: "Imminent danger electrical items".
 - 8.2 Move "LO/TO non-compliance" to "Electrical Safety: Equipment".
 - 8.3 Move "Wiring in hazardous areas not reviewed or not in compliance" to "Electrical Safety: Distribution".
 - 8.4 Move "Working on or near exposed conductor violations" to "Unsafe Practices".
 - 8.5 S. Kane will look at the findings under "Electrical Safety: Programmatic" to see if they are in the subcategories that are being moved.
 - 8.5.1 If need be, the subcategories can be added back in.
- 9 Under "Environmental" the following points were made:
 - 9.1 "Article 12" will be kept in the "Article 12 non-compliance" subcategory unless S. Ferrone feels that it does not need to be included. (S. Kane will verify this with S. Ferrone.)
 - 9.2 S. Kane will ask S. Ferrone his thoughts about "Vehicles and equipment not parked on paved or stone-covered areas".
 - 9.3 Delete "Mold or stains not removed (i.e., ceiling tiles)" as this is a maintenance issue.
 - 9.4 Insert "Used oil is near a floor drain or is uncontained" from "Waste: Used Oil/Non-hazardous Waste".
 - 9.5 The WG felt that "Improper air emissions" did not provide enough information and was meaningless.
 - 9.5.1 S. Kane will talk to J. Williams for the proper verbiage.
 - 9.6 The "No secondary containment for storage of hazardous liquid materials (e.g., fuel, hydraulic oils, and paint)" belonged here as it refers to operating materials and not scientific materials.
 - 9.7 Delete "Unlabeled/unknown chemical containers" as this was captured under "Waste".
 - 9.8 The subcategories referring to air will be grouped together and the subcategories referring to solids will be grouped together. (Action for S. Kane)
 - 9.9 Move "Leaking chemical containers or piping" to "Housekeeping" as the Working Group suggested moving this to either "Housekeeping" or "Chemical Safety: Storage".
- 10 Under Fire Safety, the following points were made:
 - 10.1 Guidance cues will be added to "Emergency lighting not located where required". (Action for S. Kane)
 - 10.2 In the subcategory concerning fire doors, change "non-operable" to "impaired".
 - 10.2.1 The Tier I does not check for operability of the fire doors as this would require tripping the fire alarm system to see if the doors automatically closed.
 - 10.2.2 Fire doors are interior doors which compartmentalize the building, while exit doors are doors leading to the outside of the building.
 - 10.3 Add "or not visible" to the end of "Fire extinguisher sign if needed is missing".
 - 10.4 Change "Shelves in flammable liquid cabinets have been modified" to "Non-compliant flammable liquid cabinets".
 - 10.5 Insert "Hazard Information Placards missing, incorrect, incomplete or out of date. (Note: These placards have to be updated annually.)" from the "Working Environment: Department" category.
 - 10.6 Add "Excessive accumulation of combustible materials".
 - 10.7 Remove the words "inadequate placement" from "Sprinkler heads not free of obstruction (18" clearance)" as the Tier I folks would not know this.
 - 10.8 Delete "Missing ceiling tiles (> 10% of room size) as this is already in "Working Environment: Plant" which is a more appropriate place.
 - 10.9 Delete "Non-availability, improper use or location of approved flammable liquids or storage cabinets" as this is covered under "Chemical Storage".
 - 10.10 Delete "Tone Alert Radio missing, non-operable, or not placed in common unlocked area".
 - 10.10.1 This is considered Emergency Management and would be checked by the Local Emergency Coordinator.
 - 10.11 Delete "Welding splatter or slag present in a non-welding area".

- 11 Under "Housekeeping", the following points were made:
 - 11.1 Guidance will be provided for "Proper width of aisles and corridors not maintained". (Action for S. Kane)
 - 11.2 Change "General Housekeeping" to "Other Housekeeping".
 - 11.3 Insert "Excessive materials accumulated in laboratory hoods or on work benches" from the "Chemical Safety: Storage" category.
 - 11.4 Insert "PPE improperly stored" from "PPE" category.
 - 11.5 Insert "Work area cluttered or dirty" from "Chemical Safety: Use" category.
 - 11.6 Move "PPE not stored in a clean and sanitary manner" to the "PPE" category.
 - 11.7 Move "Stairways, hallways, passageways/aisles and access to emergency exits not free of obstruction or inadequately lit." to "Fire Safety".
[Addendum: This is included in the BNL Housekeeping Standard under "General Housekeeping"; therefore it will remain in Housekeeping.]
 - 11.8 "Containers not provided for recyclable paper, recyclable cans/bottles, and trash" is included in the BNL Housekeeping Standard under "Industrial areas, accelerators, and mechanical equipment rooms".
 - 11.9 "Storage cabinets, freezers, and refrigerators contain un-needed material" is from the "BNL Housekeeping Standard, General Housekeeping".
 - 11.9.1 It was suggested that the wording be changed to "Excessive materials/equipment".
 - 11.10 "Un-needed materials, chemicals, and equipment have not been excessed or disposed of" has been reworded from the BNL Housekeeping Standard, General Housekeeping "Materials, chemicals, and equipment no longer needed are excessed or disposed of".
 - 11.11 "Unoccupied storage buildings/areas not maintained, cluttered, or not used to the best advantage" is from the "BNL Housekeeping Standard, General Housekeeping."
- 12 Subcategories under "Industrial Hygiene Issues" remained unchanged with the exception of deleting "Hazard placards missing" which is in the "Working Environment: Department" category.
 - 12.1 Concerning "Indoor air quality issues not addressed", someone on the Tier I team would be informed by the relevant person that he/she had an issue which had not been addressed.
- 13 Under "Machine Shop Safety", the only change was moving "PPE not available, stored, or used appropriately" to the "PPE" category.
- 14 Under "Material Handling and Equipment Safety" the following points were made:
 - 14.1 Change "Autoclave warning not posted" to "Extreme temperature warnings not posted".
 - 14.2 Change "Ladder non-compliant" to "Non-ANSI or non-OSHA compliant ladder (fixed and portable)".
Addendum: This was moved from "Working Environment: Department".
 - 14.2.1 Storing a good ladder is alright, but storing an unsafe ladder without a tag would be improper.
 - 14.3 There was much discussion to move "Pressure or compressed gas system not reviewed". Some folks wanted it under Compressed Gas, others wanted it under Working Environment: Department, and another wanted it left here. (Action for S. Kane)
- 15 Under "Outside and Grounds" the following points were made:
 - 15.1 Move "Unsecured/free access to buildings during off-hours" to "Security".
 - 15.2 Insert "or roofs" in "Outside areas or roofs not maintained clear of rubbish, leaves, weeds, or snow/ice".
 - 15.3 Delete "Steps to building not available or damaged".
 - 15.4 Delete "Grounds/roofs not free of waste and debris", "Leaves, tall grass, and weeds near doors or walkways not removed", "Outside areas not maintained clear of un-necessary materials & equipment" as these are encompassed in 14.2 above.
 - 15.5 Delete "Snow plow damage", "Concrete walkways in disrepair", and "Damage from lawn mower".
 - 15.5.1 On the rare occurrences of these findings, they can be written up under "Other".
 - 15.6 The term "Building Manager" in "Building Manager placard missing, displays inaccurate information" will be left as is until such time that this title is replaced as a result of Integrated Facility Management.
 - 15.7 Addendum: Add "Intermittent energy release."
- 16 Under "Personnel Protective Equipment (PPE)", the following points were made:
 - 16.1 Change "Appropriate protective clothing in hazard areas not available, not sanitary, or in poor condition (e.g., Electrical arc face shield, gloves, cotton shirt)" to "Appropriate PPE in hazardous areas not available, not sanitary, or in poor condition (e.g., electrical, chemical, cryogen, etc.)".
 - 16.2 Insert "Proper" in "Proper gloves not used, unavailable, or in poor condition".
 - 16.3 Replace "PPE improperly stored" with "PPE not stored in a clean and sanitary manner" from "Housekeeping".

- 16.4 Insert "PPE not available, stored or used appropriately" from "Machine Shop Safety".
- 16.5 Insert "PPE for cryogen transfer not available or not used" from "Compressed Gas/Cryogenics".
- 16.6 Delete "Minimum PPE requirements not met".
- 16.7 Although seeing which type of PPE may not be available, stored properly, or used on a STOP observation, it is important that this is also captured on the Tier I.
- 17 The "Radiation Safety" subcategories remained unchanged.
- 18 Under Security, the following point was made:
 - 18.1 Insert "Unsecured/free access to buildings during off-hours" from "Outside and Grounds".
- 19 Under "Unsafe Practices", the following points were made:
 - 19.1 Insert "Working on or near exposed conductor violations" from "Electrical Safety: Programmatic".
 - 19.2 Delete "Parking in no parking areas" which may be a management observation.
 - 19.3 See what findings have been reported under this category. (Action for S. Kane)
 - 19.3.1 Addendum: In FY 2010, Unsafe Practices have been reported as follows:
 - D. Cabelli, Chemistry, Q3, 5 findings; B. Colichio, Medical, Q3, 2 findings;
 - M. Rankine, Instrumentation, Q2, 1 finding, and A. Frosina, Information Technology Division, Q2, 1 finding.
- 20 There should be only one "Waste" category, not separate categories as suggested by S. Ferrone.
 - 20.1 Under "Waste: 90-Day Accumulation Waste Accumulation area" the following points were made:
 - 20.1.1 If an item is on the weekly checklist, it does not have to be on the Tier I.
 - 20.1.2 Combine into one finding: "Haz Waste Contingency Plan is not posted inside room and in nearby location, or is not current", or "90-day Rules postings not present".
 - 20.1.3 Delete "Secondary containment is inadequate - does not hold: 10% of total volume/100% of the largest container (larger of the two volumes is required) or does not hold 30% of total volume (if total volume exceeds 250 gallons)".
 - 20.1.4 Delete "Base of the secondary containment is not sloped or the waste containers are NOT elevated in order to prevent container contact with spilled liquid".
 - 20.1.5 Delete "Labels missing or incomplete description (e.g. no chemical name)".
 - 20.1.6 Delete "PCB labels are not present on room entrance and on container (if PCB wastes are present)".
 - 20.1.7 Delete "Sinks/floor drains located in the area are not plugged/covered".
 - 20.1.8 Delete "Waste(s) accumulation start dates is not present or is >90 days".
 - 20.1.9 Delete "Waste container(s) not in good condition (damaged or is leaking)".
 - 20.1.10 Delete "Waste container(s) not tightly-securely closed".
 - 20.1.11 Delete "Wastes not protected from the elements (extreme heat/cold)".
 - 20.2 Under "Waste: Rad Waste Accumulation Area", the following points were made:
 - 20.2.1 Insert "Rad waste" before "Area not being inspected on a monthly basis and/or checklist not being completed".
 - 20.2.2 Insert "Rad waste" before "Area postings not present (90-day rules postings and RCD area postings)".
 - 20.2.3 Delete "Damaged/leaking container/bag" and "Unlabeled container/bag".
 - 20.2.4 Delete "Liquid wastes do not have adequate secondary containment (see Haz Waste section for details)".
 - 20.2.5 Delete "Wastes not properly segregated (liquids vs. solids, Decay-in-Storage with long-lived, compactibles vs. non-compactibles, etc.)".
 - 20.2.6 Delete "Waste staged >90 days".
 - 20.3 Under "Waste: Regulated Medical Waste", the following points were made:
 - 20.3.1 Delete "Abandoned Regulated Medical Waste present".
 - 20.3.2 Delete "Sharps box contains more than two-thirds of total capacity".
 - 20.3.3 Each of the remaining subcategories will be prefaced with "For regulated medical waste" as the Working Group wanted only one "Waste" category.
 - 20.4 Under "Waste: Satellite Accumulation Area (Hazardous Waste)", the following points were made:
 - 20.4.1 Replace the two subcategories discussing Nanomaterial liquid waste and Nanomaterial solid waste with "[UNP](#) (Unbound engineered nanoparticles) nanomaterial does not comply with the nanomaterial waste requirements."
 - 20.4.1.1 UNP is the jargon for the material folks really care about.
 - 20.4.1.2 S. Kane will check with the nanomaterial folks about this.
 - 20.4.2 Delete "Abandoned wastes present" and "Container not closed".
 - 20.4.3 Delete "Container dated (date required only when inside a 90-day Accumulation Area)".

- 20.4.4 Delete "Full container present (transfer to 90-day Accumulation Area)".
- 20.4.5 Delete "Haz waste container next to non-waste container(s), putrescibles/recyclables".
- 20.5 The Working Group wanted to remove the "Waste: Solder" and "Waste: Used Oil/Non-hazardous Waste" categories/subcategories.
- 20.6 Under "Waste: Universal Waste Batteries/Fluorescent Light Bulbs", the following points were made:
 - 20.6.1 Have one category under Waste stating "Waste not properly labeled".
 - 20.6.2 Delete "Container not closed and not compatible with battery type".
 - 20.6.3 Delete "Leaking electrolyte from battery present (call WM)".
 - 20.6.4 Delete "Universal waste containers not properly labeled as "UNIVERSAL WASTES" including type (e.g. Mercury/Nickel-Cadmium/Lithium battery or mercury containing fluorescent bulb), and not dated when first piece went inside container (cannot exceed 6 months)".
- 21 Under "Working Environment: Department", the following points were made:
 - 21.1 Remove "no tepid water delivery" so subcategory now reads "Eyewash/shower pathways not obstructed, travel distance > 10 seconds and > 100 feet, not well maintained".
 - 21.1.1 This was left here because it was not adequately addressed under "Chemical Safety" which only mentioned corrosives.
 - 21.2 Delete "Fixed and portable ladders non-compliant" as it is under "Material Handling and Equipment Safety".
 - 21.3 Move "Fume hoods not inspected, labeled or used" to "Chemical Safety: Storage" category.
 - 21.4 Delete "Hazard Information Placards missing, incorrect, incomplete, or out of date. . ." as this is under "Fire Safety".
 - 21.5 Insert "missing" in "Safety signs and postings are illegible or in poor condition".
 - 21.6 "Piping not labeled" will remain as there is a "Piping Systems, Identification of" Subject Area.
- 22 Under "Working Environment: Plant", the following points were made:
 - 22.1 Keep "emergency shower/eye wash inspections not done annually" as this is done by F&O.
 - 22.2 Keep "Exposed building insulation" as this could refer to asbestos.
 - 22.3 "Floor load ratings not posted or incorrect" is a Level 1 finding in OHSAS.
 - 22.4 Change "tread" to "skid" in "Improper (non-compliant) handrails or tread, or no anti-skid on stairs".
 - 22.5 Change "Utility lines not labeled" to "Utility piping (i.e., steam, water) not labeled".
 - 22.6 Insert "Walking/working surfaces in disrepair" after "Walking/working Surfaces not kept clean and free of debris".
 - 22.7 "Improper use or unavailability of floor covering mats" was rewritten as "Walking/working surfaces issue concerning building floors".
 - 22.8 Delete "Access to safety/emergency equipment (i.e., fire extinguishers, eyewashes, safety showers) and electric panel boxes is obstructed" as this is mentioned elsewhere.
 - 22.9 Delete "Uneven walking surfaces not identified or posted".
 - 22.10 Delete "Gaskets leaking on the floor" and "Pipe flow is not identified".
- 23 Under the "Other" category, the following points were made:
 - 23.1 Add a subcategory "No findings found" as there should be a way to give credit for good effort.
 - 23.2 There needs to be a way to search the database for Tier I inspections that resulted in no findings.

Open Discussion (Issues and Good Practices)

There was no additional discussion.

Actions for Steve Kane:

1. Talk to Diane Cabelli, John Peters, or Bob Selvey about taking out "No substitution of less hazardous chemical" as the people conducting the Tier I inspections would not know this. (Under "Chemical Safety: Use")
2. Talk to the nanomaterial people about the wording of the applicable finding under "Waste".
3. Talk to Jeff Williams for the verbiage of "Improper air emissions" under Environmental.
4. Ask Steve Ferrone if "No Secondary Containment (e.g., trays) for hazardous liquids" (under "Chemical Safety: Storage") is an environmental issue.
5. Talk to Steve Ferrone if "Article 12" should remain in "Article 12 non-compliance" subcategory.
6. Talk to Steve Ferrone about "Vehicles and equipment not parked on paved or stone-covered areas" under Environmental. Note: Under HK, Construction Areas, is "Vehicles and equipment parked to avoid environmental issues from leakage and spills."

7. Look at the findings reported under "Electrical Safety: Programmatic" in order to determine what findings we may lose incite to by moving the subcategories to other categories and removing this category.
8. Check why "acids" is not included in "Corrosives not stored below eye level" (under "Chemical Safety: Storage").
9. Add dimensions for "Electrical distribution panels/disconnects blocked" (under Electrical Safety: Distribution).
10. Under Environmental, group air subcategories together and solid subcategories together.
11. Under Fire Safety, add cues for "Emergency lighting not located where required".
12. Under "Housekeeping", provide guidance for "Proper width of aisles and corridors not maintained".
13. Pressure or compressed gas system not reviewed" is under "Material Handling and Equipment Safety". "Should this be under "Compressed Gas/Cryogen" category?
14. Determine the findings reported under "Unsafe Practice" and discuss them with the Working Group.
15. Write a dictionary defining the categories and subcategories.