

Trending of Low Level Safety and Health Issues

DOE ISM Conference

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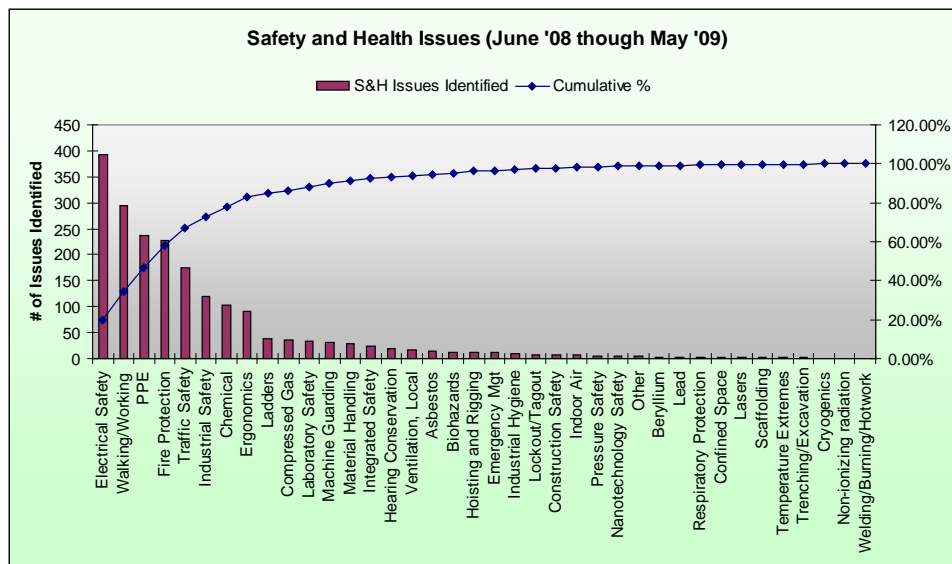
**Oak Ridge National Lab
Safety Services Division**

August 27, 2009

- **Don Blackburn is a Certified Industrial Hygienist and Certified Safety Professional with over 23 years of safety and health experience. Don currently serves as the manager of Safety and Health Programs at ORNL with one of his primary duties involving the trending of low-level safety and health issues.**

Low Level Safety and Health Trending Goal

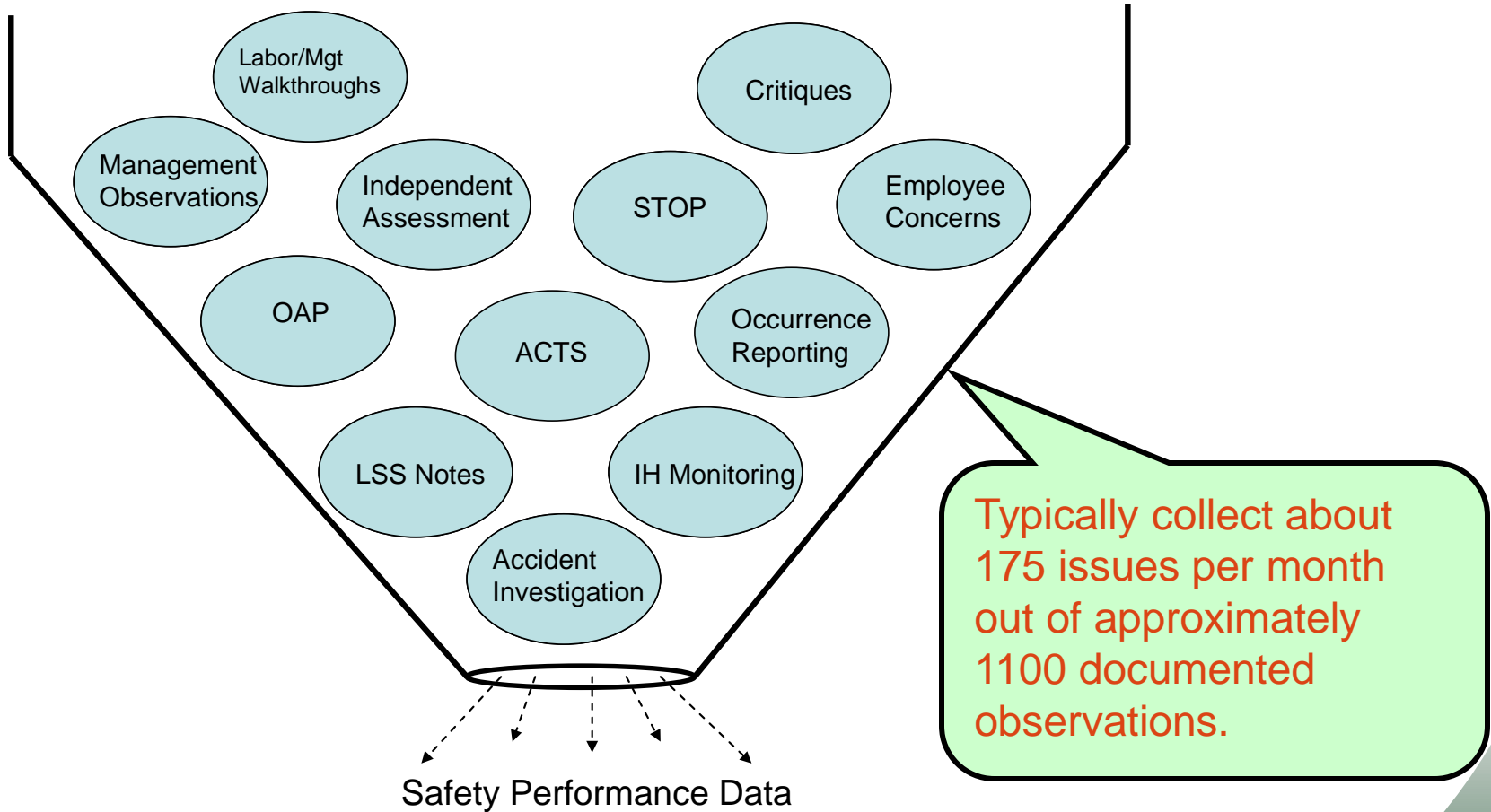
- To identify the greatest opportunities for improving worker safety and health through the trending and analysis of safety and health experience data.



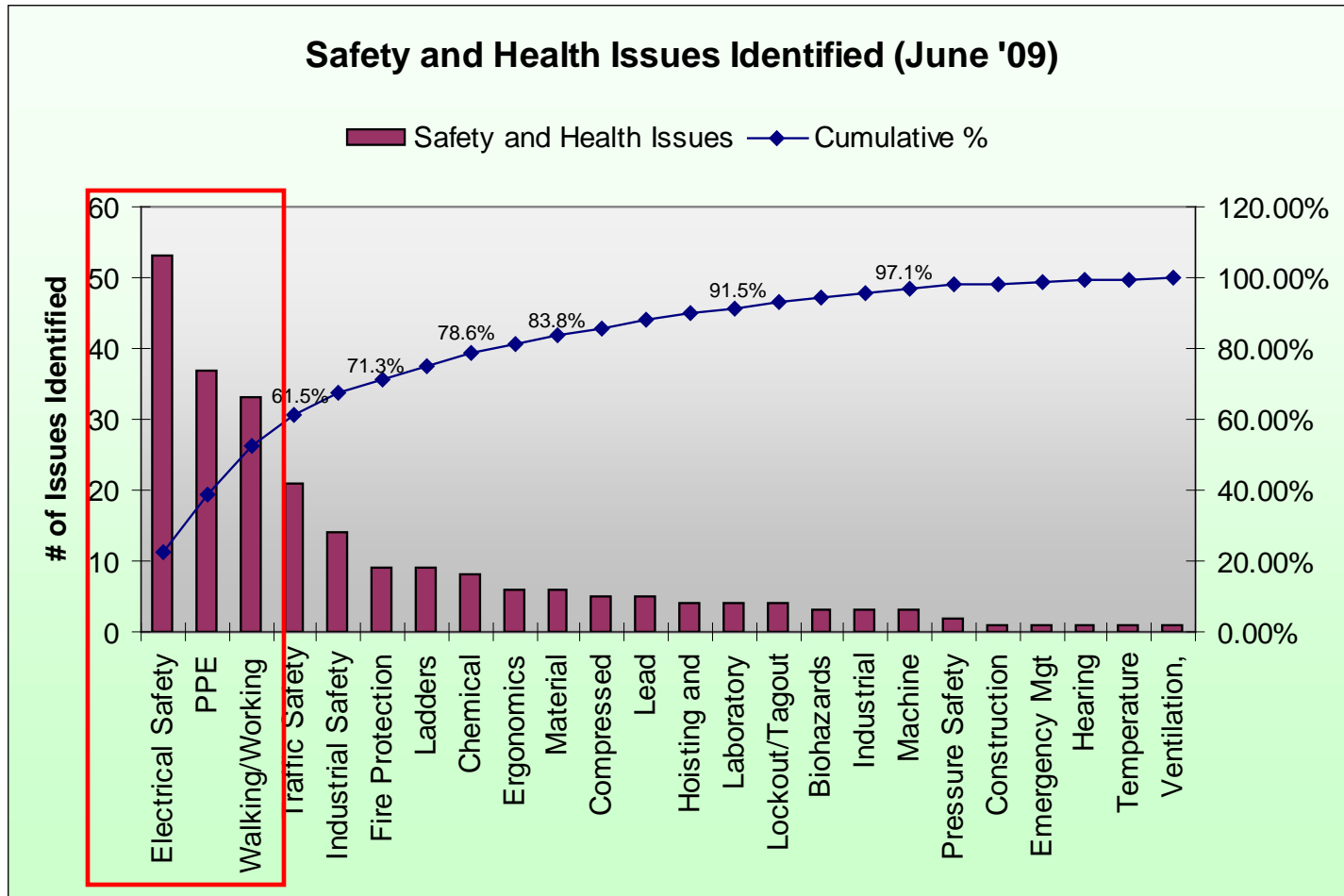
S&H Issues Trending Efforts

- **Trending data will be provided quarterly by each Organization to the Office of Integrated Performance Management. Semi-annual reviews will be performed and communicated to management. (New process beginning in August '09.)**
- **Trending is also performed monthly by SSD utilizing S&H data from available sources.**
 - **Obstacle: Some organizations are reluctant to share information, and some issues may not be reported to a data source available to SSD.**
 - **Assumption: Data obtained from available data sources is assumed to be representative of the issues occurring across the site unless data indicates otherwise.**

Data Sources Available to SSD Include:



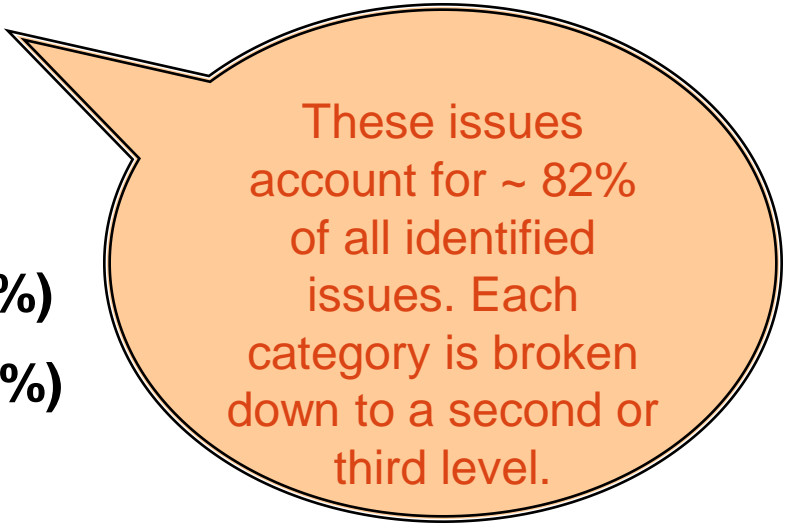
S&H Issues Identified



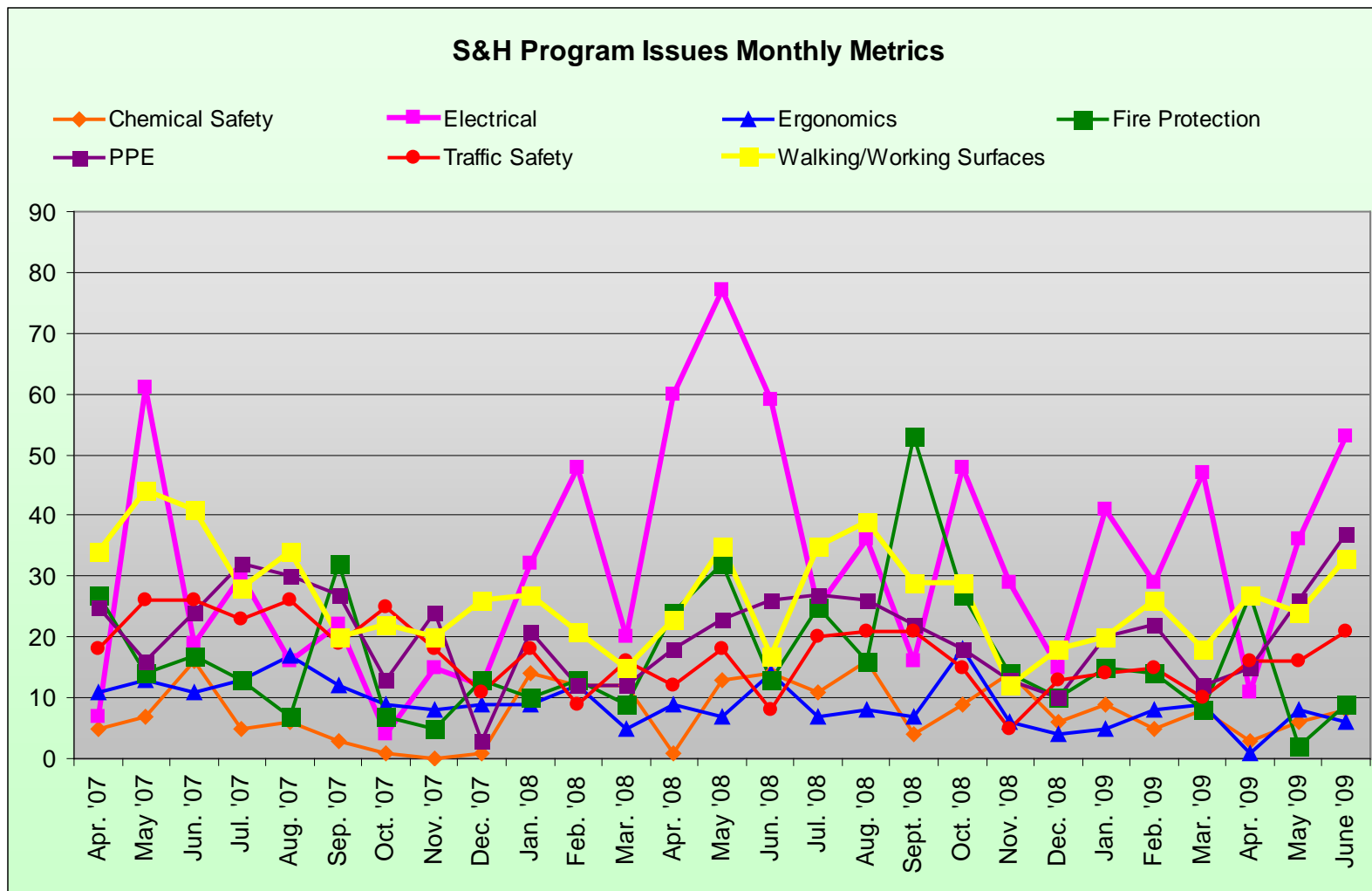
Approximately 53% off all issues identified in June '09 were related to 3 program areas.

Most Frequently Identified Issues in past 12 months (July '08 – June '09).

1. **Electrical Safety (19.3%)**
2. **Walking/Working Surfaces & Fall Protection (15.2%)**
3. **PPE (12.4%)**
4. **Fire Protection (10.9%)**
5. **Traffic Safety (9.3%)**
6. **Industrial Safety - general (6.4%)**
7. **Chemical Safety/HAZCOM (4.9%)**
8. **Ergonomics (4.4%)**



These issues account for ~ 82% of all identified issues. Each category is broken down to a second or third level.



Top issues are tracked each month to look for potential trends.

Example of Actions Taken in Response to S&H Experience Data

- **Electrical Safety Fundamentals (Safety Flash)**
- **Steps to Safety (Safety Flash)**
- **Safe Disposal of Sharps (Safety Flash)**
- **Pains & Strains (Safety Flash)**
- **AARP Driving Safety Program (SSD Sponsored course)**
- **Provide feedback to managers to increase emphasis on various issues (as needed)**
- **Provide monthly feedback to Divisions through the Safety Snapshot web site.**

SAFETY SNAPSHOT

NOVEMBER 2007



Safety First
Web Portal

Submit
a Safety Suggestion

Management
Observation System

10 CFR 851

ESH&Q

Contact
Safety Services Division

Frustrated with a
Safety requirement?
click here to send
an email to SSD

Do you have
Comments?
Suggestions?
Feedback?
then click here!

From the
Leadership Team...



Thom Mason
Laboratory Director
"Doing it right equals doing
it Safely"

Click here to view
this short video clip

HPI Spotlight
"Communication"



Communication is, perhaps,
the most effective defense in
the prevention of errors and
events.

(Click here for more)

Last Month's
Injury Summary



- Abrasion (cornea)
- 3 - Cumulative trauma (hands)
- Laceration (finger)
- Fracture (ankle)
- 2 - Strains (back & chest)

(Click for details)

Analysis of Injuries



During the month of October,
ORNL experienced a higher than
normal incidence of ergonomic
injuries. Click here for more
details on awareness, prevention
and reporting

Observations from
Around the Laboratory



In October '07, SSD reviewed
approximately 900 documented
safety observations. 106 issues
were selected for trending.

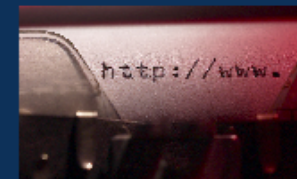
The number of STOP and
Management Observations
performed in October were down
approximately 35% compared to
previous months.

Approximately 33% of the
injuries/illnesses reported to
Medical in October were related
to ergonomic conditions.



click here for
information/suggestions to
identify and control ergonomic
hazards.

Hot off
the Net



Wellness

- Smoking Cessation
- Santaclaustrophobia

Seasonal Information

- Christmas Tree Fire
- ORNL Seasonal Trees and Decorations

Safety Flash

- Stop the Spread of Germs

ORNL is seeking OHSAS
18001 certification for the
Worker Safety and Health
Management System



(click here for details)

Any Questions???

