



**BERKELEY LAB**  
LAWRENCE BERKELEY NATIONAL LABORATORY



U.S. DEPARTMENT OF  
**ENERGY**

**DZAC May 2012**

**Opening Remarks**



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# DZAC News

# Items of Interest

- Review of Purpose and Expectations
  - Bring safety suggestions, complaints or concerns from your workgroup directly to Senior Management
  - Communicate status or resolution of concerns back to your workgroup
  - Present the DZAC training subjects to your workgroup
  - Sign-in sheets are returned to Lisa, Janice, Gene

# Items of Interest

- Safety Spot Awards Issued Apr - May:
  - Floyd Colton – Preventative Action
  - Tien Hunh – Preventative Action

# Items of Interest

# Facilities Incident Notification Process

Reminder:

- ALL Facilities Employees Required to *Immediately* Notify WRC of *Significant* Incidents
  - Work Request Center is x6274
  - 07:00 AM to 4:00 PM Monday through Friday
- An Incident is any failure of a service, system and/or utility, or any occurrence (possible ORPS) that has the potential to *significantly* impact safety (major injuries), science and/or business



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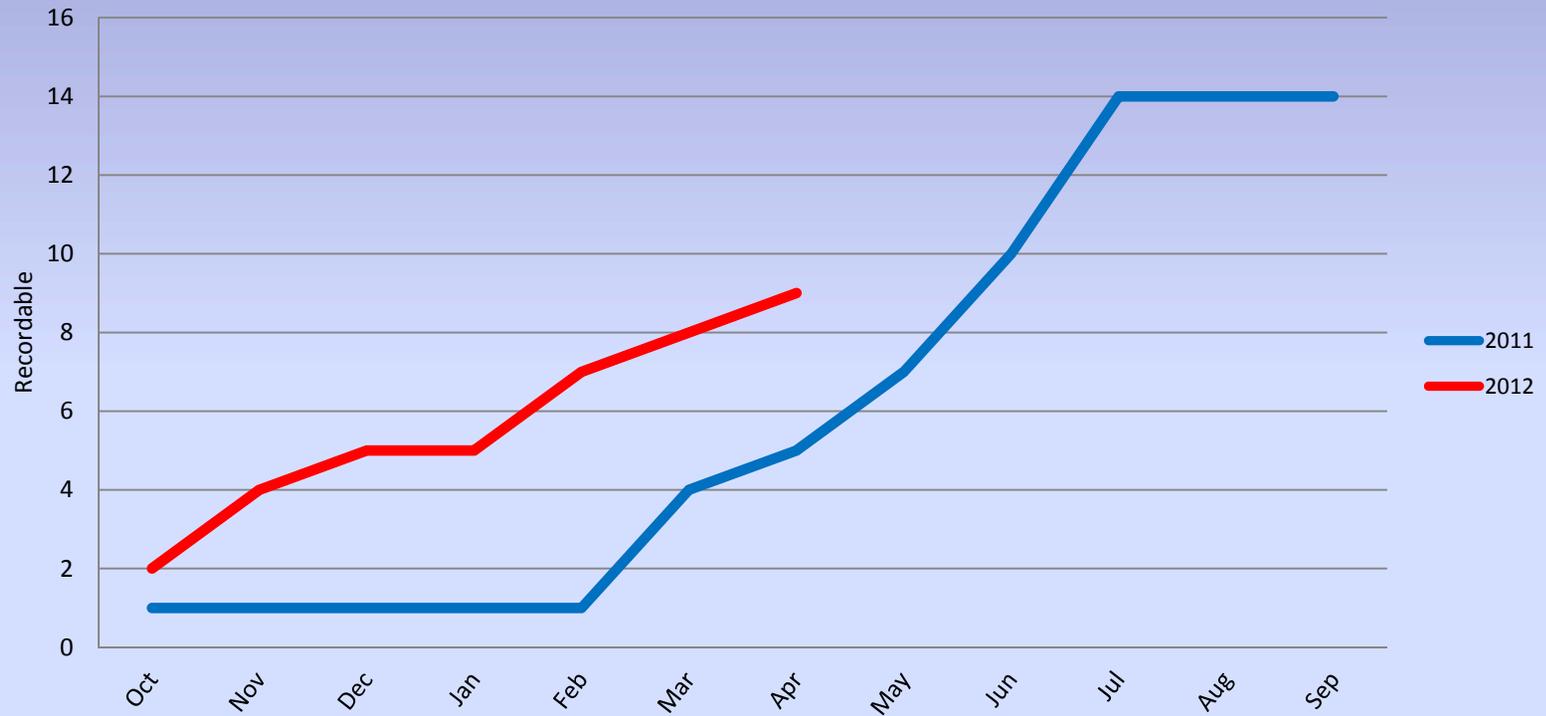


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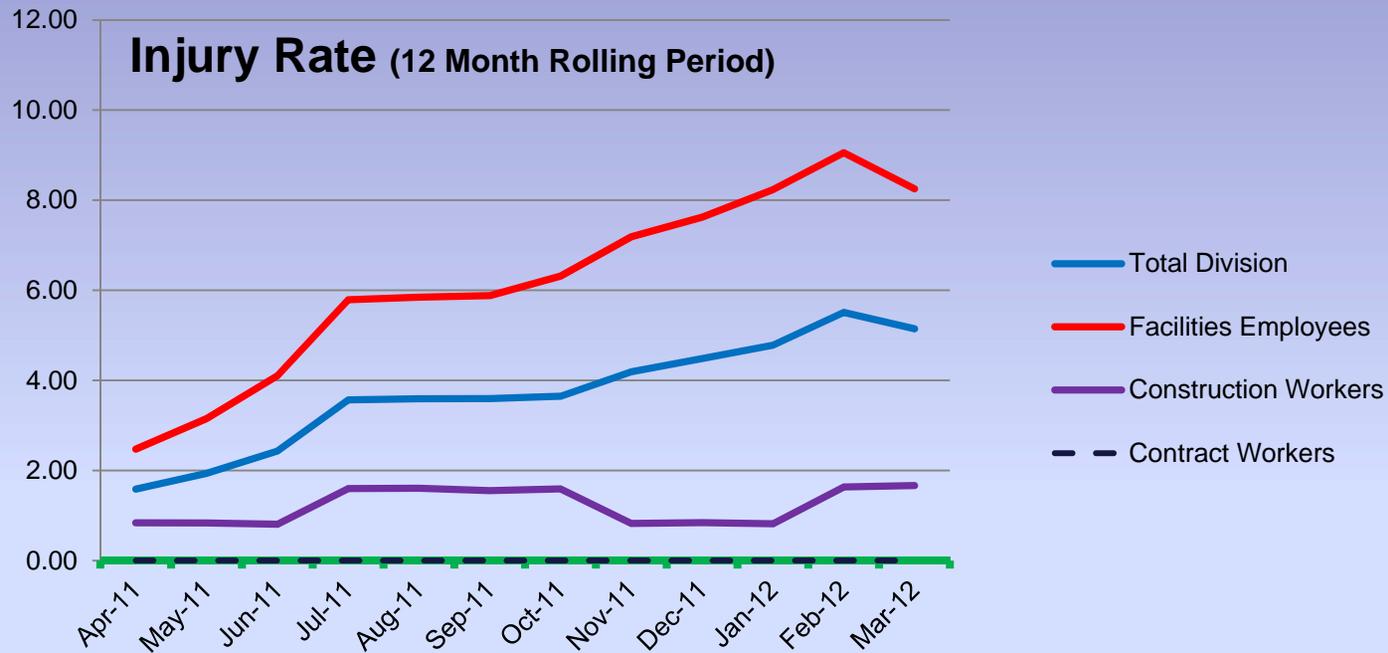
**Expectation:  
Zero Injuries**

# Expectation: Zero Injuries

Facilities Injuries FY 2011/2012



# Expectation: Zero Injuries



| Injury Rates          |             |
|-----------------------|-------------|
| Facilities Workers    | 8.25        |
| Construction Workers  | 1.67        |
| Contract Workers      | 0           |
| <b>Total Division</b> | <b>5.15</b> |

# Expectation: Zero Injuries

Who is Responsible?

| Craft            | No. | Record | First Aid | Back / Neck | Finger | Foot / Ankle | Arm | Knee | Shoulder | Head | Hand / Wrist | Leg | Abdomen | Eye |
|------------------|-----|--------|-----------|-------------|--------|--------------|-----|------|----------|------|--------------|-----|---------|-----|
| Administration   | 1   |        | 7%        |             |        |              |     | 1    |          |      |              |     |         |     |
| Laborer          | 4   |        | 27%       |             |        |              | 1   |      |          |      |              | 2   |         | 1   |
| Carpenter        | 3   |        | 20%       | 2           | 1      |              |     |      |          |      |              |     |         |     |
| Custodian        | 8   | 56%    | 20%       | 1           | 1      | 3            |     | 1    | 1        | 1    | 1            |     |         |     |
| Electrician      | 1   |        | 7%        | 1           |        |              |     |      |          |      |              |     |         |     |
| Material Handler | 3   | 22%    | 7%        |             |        |              | 1   |      | 1        |      | 1            |     | 1       |     |
| PMT              | 2   |        | 13%       |             |        |              |     | 1    |          |      | 1            |     |         |     |
| Plumber          | 1   | 11%    | 0         |             |        |              |     |      |          |      | 1            |     |         |     |
| Roofer           | 1   | 11%    | 0         |             |        |              |     |      |          |      |              |     | Chest   |     |

# Expectation: Zero Injuries

Injury Type:

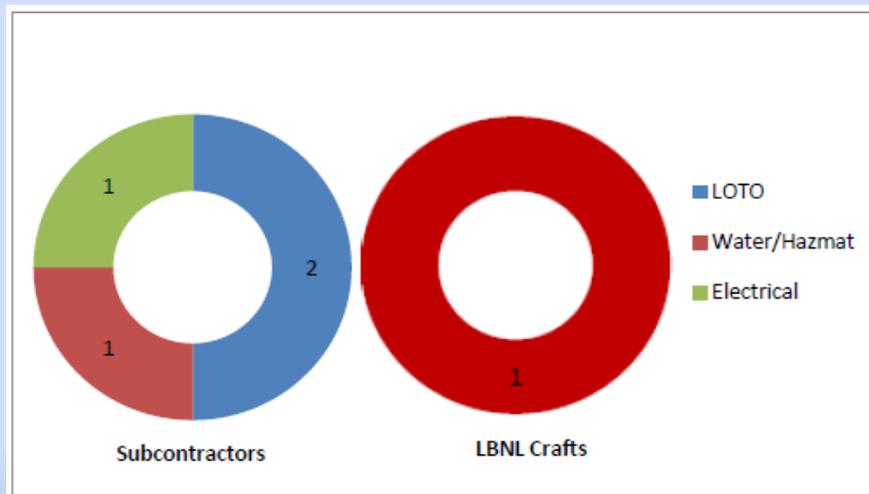
| Injury Type       | Number    | Recordable | First Aid | Total |
|-------------------|-----------|------------|-----------|-------|
| Strains / Sprains | 10        | 29%        | 13%       | 425%  |
| Contusion         | 5         | 0%         | 21%       | 21%   |
| Dermatitis        | 3         | 0%         | 13%       | 13%   |
| Fracture          | 1         | 4%         | 0%        | 4%    |
| Foreign Body      | 1         | 0%         | 4%        | 4%    |
| Laceration        | 1         | 0%         | 4%        | 4%    |
| Abrasion          | 1         | 0%         | 4%        | 4%    |
| RSI               | 1         | 4%         | 0%        | 4%    |
| Insect Bite       | 1         | 4%         | 0%        | 4%    |
| <b>Total</b>      | <b>24</b> |            |           |       |

# Expectation: Zero Injuries

Occurrence Reports:

## ORPS by Number and Severity

Goal (Green Line) = 0



# Facilities ISM Plan Updated

v 2012



# Facilities ISM

- ISM is an effective injury and incident prevention methodology
  - Define Work
  - Analyze Hazards
  - Develop Controls
  - Perform Work (within controls)
  - Provide Feedback
- Stop Work if scope, hazards, conditions change
- Facilities ISM defines Division Safety Plan and Requirements

# Facilities ISM

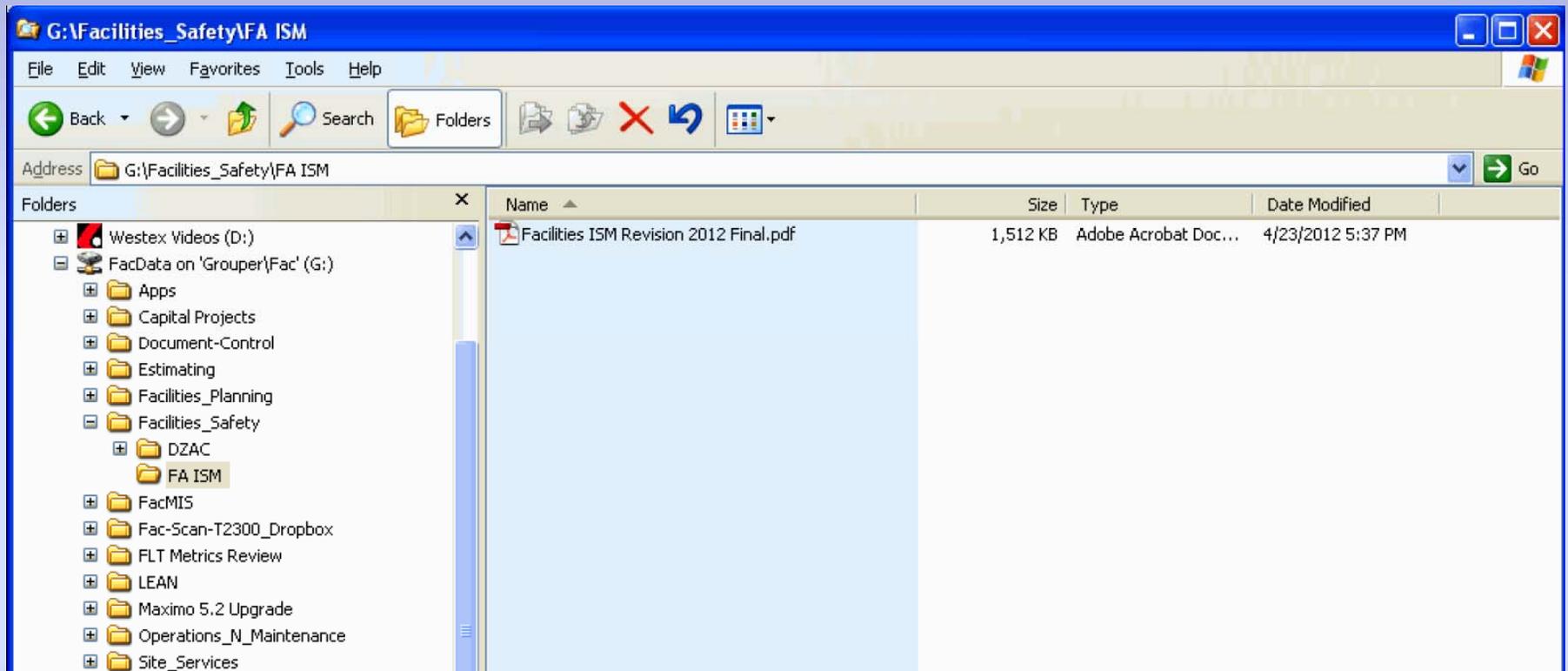
- Revised (2012) contents include:
  - Roles and responsibilities
    - Includes Construction Safety
  - Work Planning and Control / Work Authorization
  - Inclusion of Penetration Permit TAP in Self-Assessment
  - Safety Inspection schedule and process
  - Metrics and Reporting
  - Hierarchy of Controls

# Facilities ISM

- Work Alone Policy
- Safety Meetings and Documentation
- BET participation
- Incident Notification Process
- Lessons Learned Communication Process
- Institutional Reporting of Incidents (Sub-ORPS process)

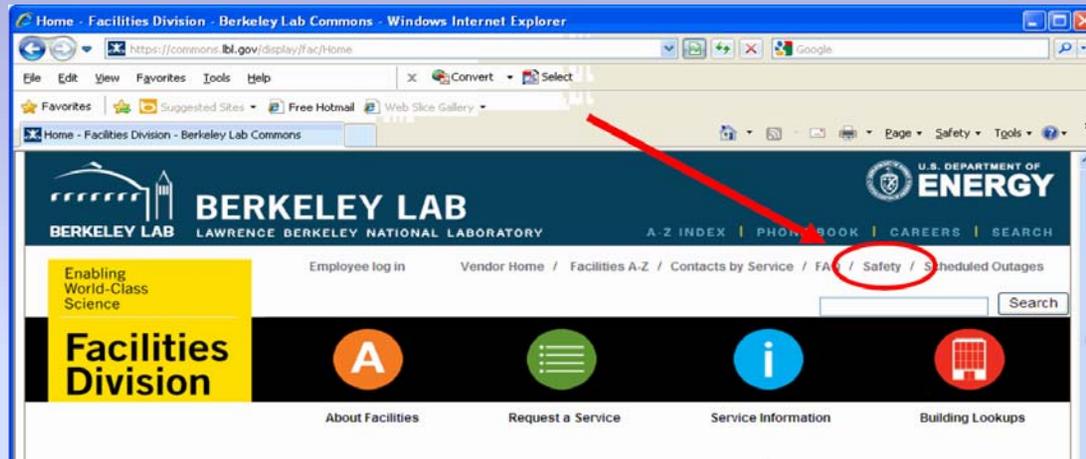
# Facilities ISM

- Plan found on G: drive and FA Safety Web
  - G:\Facilities\_Safety\FA ISM\



# Facilities ISM

- A – Z; Facilities Division; Safety; Safety Reports



|  |  |  |   |
|--|--|--|---|
| <b>Personal Protective Equipment</b><br><br>Glasses (as necessary)<br>Shoes<br>Red Wing Calendar   | <b>Safety Committees</b><br><br>Design and Construction (quarterly)<br>Plant Operations<br>Support Services                        | <b>Safety Inspections</b><br><br>Cross Shop (Annually)<br>EH&S Safety Walk-around Checklist for Managers<br>Walk-around Checklist for Managers   | <b>Safety Policies</b><br><br>Pub 3000<br>Reporting to Medical<br>Working Alone Policy            |
| <b>Safety Presentations</b><br><br>Laser and Radiation Access for<br>Facilities Division Workers<br>Material Safety Data Sheet<br>(M.S.D.S.) | <b>Safety Reports</b><br><br>Integrated Safety<br>Management (Annually)<br>MESH Review (Annually)<br>Self-Assessment<br>(Annually) | <b>Safety Resources</b><br><br>EH&S Division<br>Division Safety Coordinators<br>OSHA<br>OSHA Construction home page with tail gate<br>meetings<br>Safety at a Glance (Changed annually)<br>Subject Matter Contacts<br>Electrically Qualified MRO Craft Workers<br>Video Library (Changed quarterly)<br><b>NEW:</b> Non-laboratory material chemical label<br>template for secondary containers - to be printed<br>on Avery 5162 labels | <b>Safety Training</b><br><br>Job Hazard Analysis<br>web site<br>Off-site training<br>(quarterly) |



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# Safety Issues Discussion

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- Traffic Concerns
- B 62 the tight corner entering the back parking lot seems to need a mirror
- B 79 excess area a suggestion has been made to add a forklift in operation sign
- Stop sign at the guest house
- New Issues