

# NSLS II Town Meeting

March 01, 2017

## Safety Update

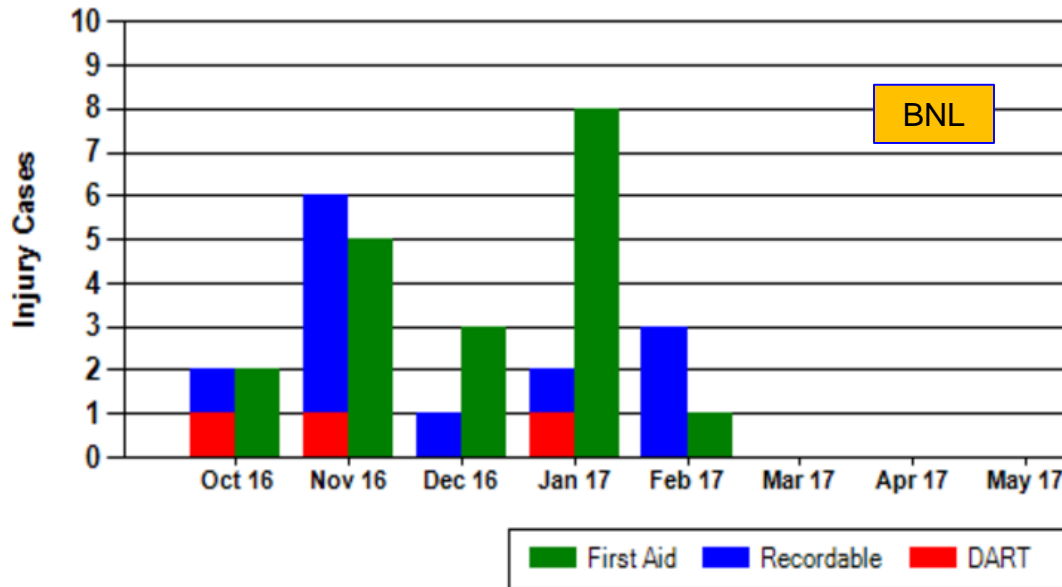
- Injuries
- Set-up Labs
- Radiation
- SAFs

# Injuries

## FY 17

First Aid	Minor treatment
Recordable	More than just first aid
DART	Days Away, Restricted, or Transferred

Fiscal Year 2017 Injury Cases



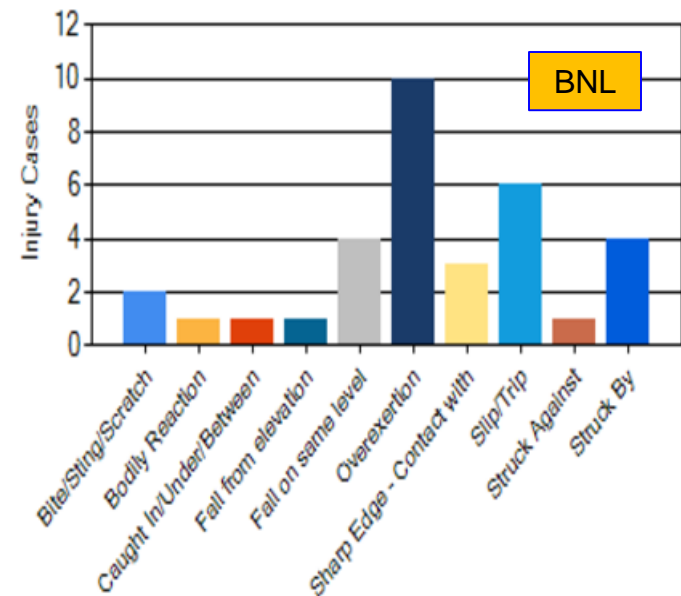
	YTD Cases	Rates
<b>DART:</b>	3	0.37
<b>Recordable:</b>	14	1.35
<b>First Aid:</b>	19	N/A

Total Injuries: 33  
 Rates As Of: January 2017  
 Most Recent Injury: 02/23/2017

## NSLS II

- Object in eye (Recordable)
  - Arm strain
  - Cut hand
  - Bumped head
- First Aid

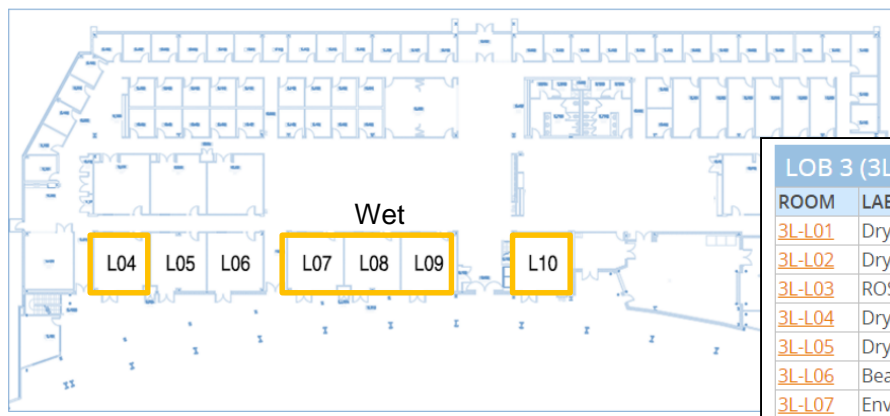
FY2017 Injuries by Injury Cause



# Support Laboratories

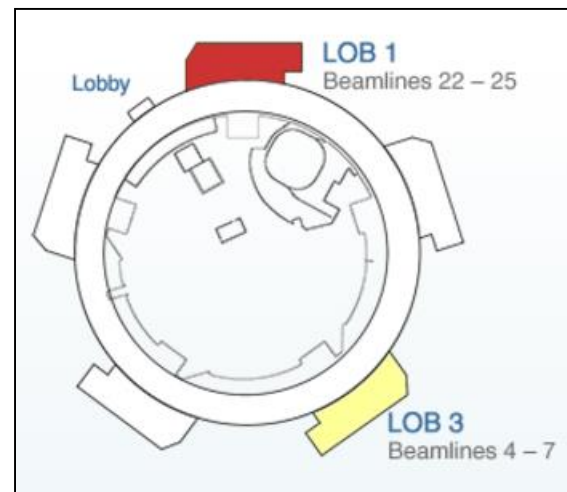
## LOB 1 (1L)

ROOM	LAB NAME	LAB PHONE	CONTACT (CSM)	CONTACT PHONE
<a href="#">1L-L04</a>	Dry Lab for XPD, ESM & CSX	631-344-3154	<a href="#">Andi Barbour</a>	631-344-3895
<a href="#">1L-L05</a>	Dry Lab for FMX, AMX, LIX	631-344-3249	<a href="#">Grace Shea-McCarthy</a>	631-344-2025
<a href="#">1L-L06</a>	Dry Lab for Beamline Assembly	631-344-3284	<a href="#">Andi Barbour</a>	631-344-3895
<a href="#">1L-L07</a>	Soft & Bio Materials Wet Lab	631-344-3429	<a href="#">Vito Graziano</a>	631-344-2209
<a href="#">1L-L08</a>	Structural Biology Wet Lab	631-344-3442	<a href="#">Edwin Lazo</a>	631-344-7247
<a href="#">1L-L09</a>	Battery & Condensed Matter Lab	631-344-3080	<a href="#">John Trunk</a>	631-344-3406
<a href="#">1L-L10</a>	Infrared Lab	631-344-8738	<a href="#">Randy Smith</a>	631-344-8033



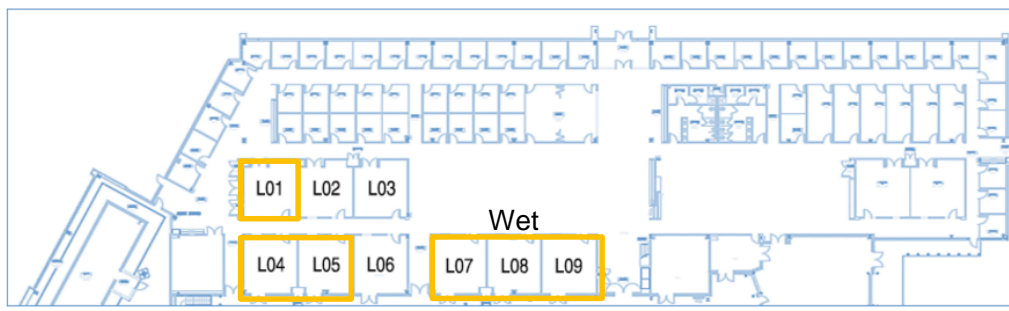
User Ready  
L04, L07, L08, L09, L10

- 11 labs User Ready
- Access/ESH in PASS
- Lab specific training for Users
- JTAs for CSMs & Resident Users
- Equipped (tools, glovebox, hood)



## LOB 3 (3L)

ROOM	LAB NAME	LAB PHONE	CONTACT (CSM)	CONTACT PHONE
<a href="#">3L-L01</a>	Dry Lab for HXN, SRX, XFM, FXI	631-344-6094	<a href="#">Petr Ilinski</a>	631-344-8049
<a href="#">3L-L02</a>	Dry Lab for ISS, TES, QAS, BMM	631-344-5883	<a href="#">Syed Khalid</a>	631-344-7496
<a href="#">3L-L03</a>	ROS group/ Detectors	361-344-6092	<a href="#">Qing-Yi Dong</a>	631-344-5358
<a href="#">3L-L04</a>	Dry Lab for IXS, SIX, ISR, SST	631-344-7680	<a href="#">Steve LaMarra</a>	631-344-5312
<a href="#">3L-L05</a>	Dry Lab for SMI, CMS, CHX	631-344-3540	<a href="#">Yugang Zhang</a>	631-344-5674
<a href="#">3L-L06</a>	Beamline Assembly Lab	631-344-6090	<a href="#">Syed Khalid</a>	631-344-7496
<a href="#">3L-L07</a>	Environmental Sciences Wet Lab	631-344-4535	<a href="#">Vito Graziano</a>	631-344-2209
<a href="#">3L-L08</a>	Mesoscale Imaging Wet Lab	631-344-3719	<a href="#">Vito Graziano</a>	631-344-2209
<a href="#">3L-L09</a>	Chemistry Wet Lab	631-344-3176	<a href="#">Syed Khalid</a>	631-344-7496



User Ready  
L01, L04, L05, L07, L08, L09

- Collective Dose Goal = 200 Person-mrem/yr
- Individual Dose Goal = 100 mrem/yr



2016 Collective Dose = 27 person-mrem

4 individual exposures measured (5, 5, 8, & 9 mrem)

- 2015: 39 person mrem
- 2014: 32 person-mrem



~ 600 TLD's issued  
each month

Personnel dosimeters on all

# Area Radiation Monitoring CY 16

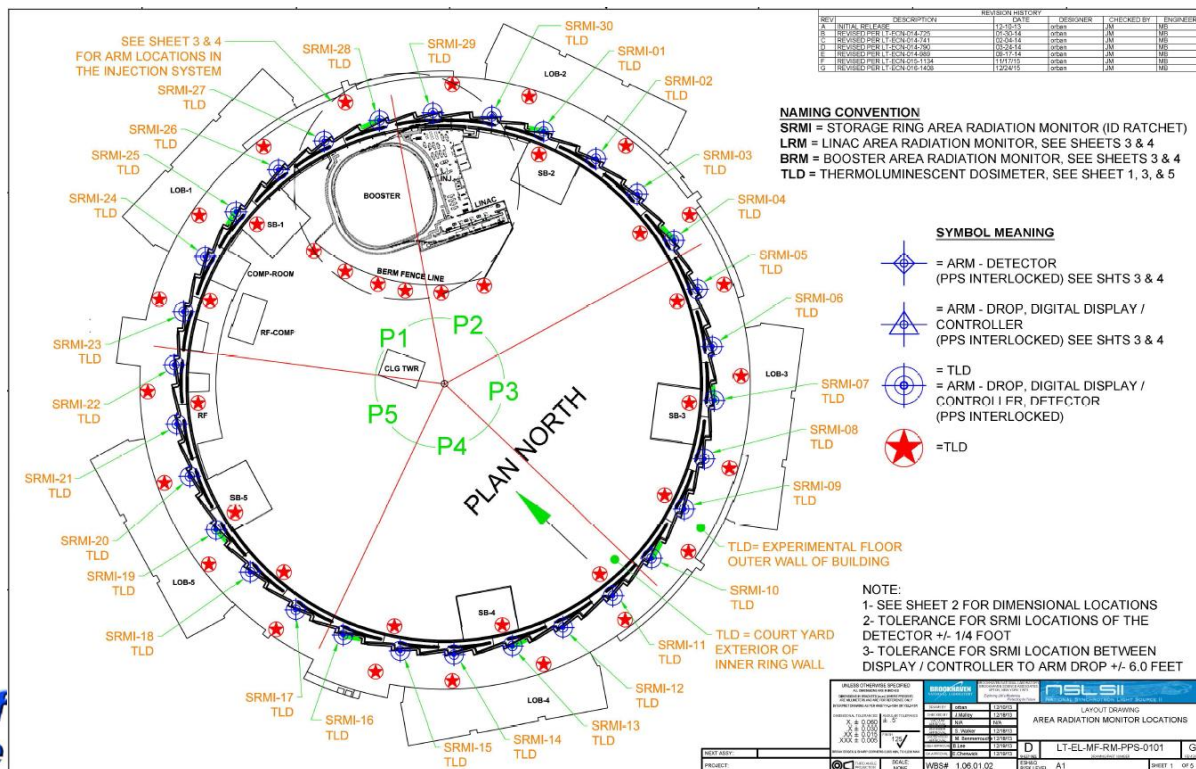
- Radiation Control Technician radiation surveys
  - 28 Front End surveys
  - 19 Beamline comprehensive surveys
  - 2-ID, 4-ID, 5-ID, 8-ID, 8-BM, 10-ID, 11-ID, 11-BM, 12-ID, 16-ID, 17-ID, 17-BM, 19-ID, 21-ID

Normal Ops: All measured values at background

Existing monitoring and shielding adequate to meet PS shielding policy

## Area TLDs

- 122 locations
- Passive



## ARMs

- 67 locations
- Trip gun (>5 mrem)



# SAFs

## Timely Submission PLEASE

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- The GOAL: Risk analysis and control
  - Shared responsibility – User, ESH, Beamline staff
  - Implementation of PASS has been frustrating for all
  - Review process is maturing/changing; PASS needs additional features
- Too many SAFs are submitted late (last minute even)
  - Conflicts with thorough review
  - Disrupts reviewer schedules; wastes time
  - Adds to the frustration

**END**