

# Town Meeting

February 13, 2015

## Safety Update

- Injuries / Events
- Instrument Readiness / Start-up
- SAF's II

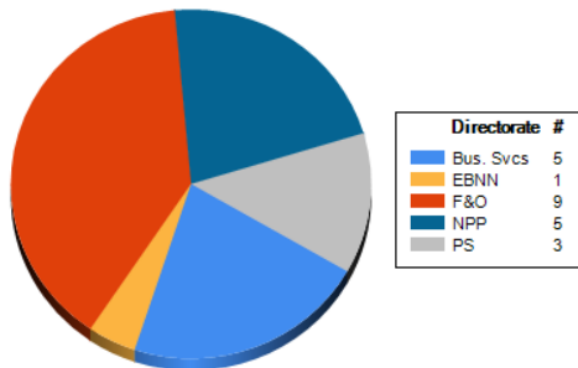
# BNL Injuries

## FY 15

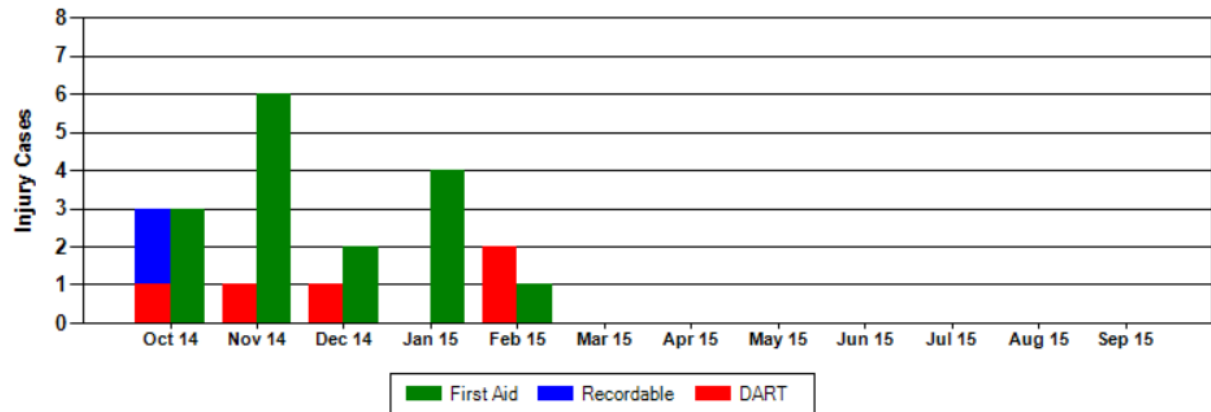
First Aid  
Recordable  
DART

Minor treatment  
More than just first aid  
Days Away, Restricted, or Transferred

FY2015 Injuries by Directorate



Fiscal Year 2015 Injury Cases



	YTD Cases	Rates
<u>DART:</u>	5	0.34
<u>Recordable:</u>	7	0.57
<u>First Aid:</u>	16	N/A

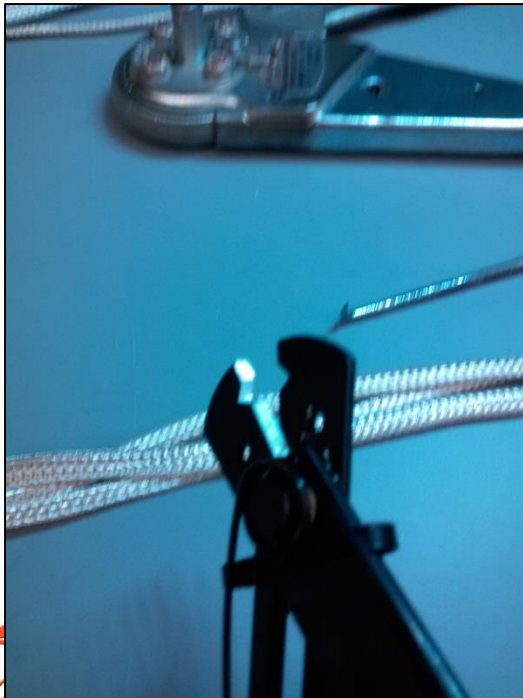
Total Injuries: 23  
Rates As Of: January 2015  
Most Recent Injury: 02/09/2015

# PS Injuries (Staff & Users)

## FY 15

3 Total; 1 User

- |                                 |       |           |     |
|---------------------------------|-------|-----------|-----|
| • Fall; utility stub            | Staff | First aid | Nov |
| • Puncture; finger; wire cutter | Staff | First aid | Dec |
| • Bumped head; equipment table  | User  | First aid | Jan |



# PS Injuries (Staff & Users)

**FY 14**

**2 Total; 0 User**

- Tool drop; fractured finger      Staff      Recordable      Feb
- Fall; wet surface; knee; (off-site)      Staff      First aid      May



# PS Related Injuries (BNL Staff & Job Shopper)

## FY 14

6 Total

- |                                     |             |           |             |
|-------------------------------------|-------------|-----------|-------------|
| • Fall; shoulder, arm               | Staff (BNL) | DART      | Dec '13     |
| • Fall; ice slip, back              | Staff (BNL) | First aid | Dec '13     |
| • Mechanical stress; Injured finger | Job Shopper | First aid | Jul         |
| • Numbness; hand                    | Staff (BNL) | DART      | Apr/Jul/Sep |
| • Bee sting                         | Staff (BNL) | First aid | Sep         |
| • Material handling; finger bruise  | Staff (BNL) | First aid | Sep         |



# Slip Simulator



Volunteers?



## Readiness

- Accelerator (IRR & ARR)
- Beamline (IRR)

# Readiness Planning

## Formal Process

Ready means

Procedures, Hardware, and Personnel to start technical commissioning:

- Accelerator – safe electron transport and storage
- Beamline – safe photon beam delivery

### Process

- Tailored review plan
  - Define scope
  - Grade the review to risk, complexity, coordination
- Instrument Readiness Plan
  - Criteria; actions; status
- Plan of action
  - Assign team and responsibilities
- Lines of inquiry
  - Define scope and specifics
- Report (findings)
- ATS (tracking)

### Beamline

- Insertion Device
- Front End
- Beamline





# Readiness Reviews FY14

## 10 Total

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- Booster Commissioning IRR 09/2013
- Booster Commissioning ARR 11/2013
- Storage Ring Commissioning IRR 01/2014
- Storage Ring Commissioning ARR 02/2014
- Routine Operations IRR 06/2014
- Routine Operations ARR 07/2014
- Project Beamline Preliminary IRR 07/2014
- Super-Conducting Cavity IRR 07/2014
- 23ID & 28ID Beamline IRR 09/2014
- 03ID, 05ID, 10ID, & 11ID Beamline IRR 10/2014

# Readiness Reviews FY14

## Findings

NSLS-II Reviews	Pre-Start Findings			Post-Start Findings		
	Total	Open	Closed	Total	Open	Closed
Booster IRR	50	0	50	55	0	55
Booster ARR	13	0	13	16	0	16
Storage Ring IRR	36	0	36	35	8	27
Storage Ring ARR	10	0	10	11	0	11
Routine Ops IRR	31	0	31	21	6	15
SCRF Cavity IRR	8	0	8	11	1	10
Routine Ops ARR	9	0	9	4	1	3
Preliminary Beamline IRR 3, 5, 10, 11, 23, & 28	23	0	23	32	21	11
Beamline IRR 23 & 28	12	0	12	5	5	0
Beamline IRR 3, 5, 10, & 11	32	0	32	41	41	0
Total	224	0	224	231	83	148


PASS II

SAF's

User Science

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## My SAF

SAF ID	Proposal ID	Proposal Title	Principal Investigator	User Facility	Status	
300022	300102	NSLS GU 20150205 Test for Andrew	Stephen Giordano	NSLS	Draft	


**General**[Materials](#)[Equipment](#)[Task & Hazard Analysis](#)[Attachments](#)[Summary](#)

Resource: X26A

Expected Start  
Date: 2/18/2015**SUCCESS***Your data has been saved!*

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SAF ID	Proposal ID	Proposal Title	Principal Investigator	User Facility	Status	
300022	300102	NSLS GU 20150205 Test for Andrew	Stephen Giordano	NSLS	Draft	

[General](#) [Materials](#) [Equipment](#) [Task & Hazard Analysis](#) [Attachments](#) [Summary](#)[Add Material](#)

	Name	Quantity	Stored	Disposed	Lab Use	Transport	Properties	
<a href="#">Edit</a>	Ethanol	1.00 ltr		✓	✓	Ship by Common Carrier	Flammable Liquids	<a href="#">× Delete</a>

## Add Material



Name of  
Material:

Quantity:

(Select One) ▼

Stored at User  
Facility:

☐

Disposed at  
User Facility:

☐

Set-up  
Laboratory Use :

☐

Transport  
Method:

(Select One) ▼

Properties:

(check all that apply)


- ☐ Biohazard
- ☐ Flammable Liquids
- ☐ Flammable Solids
- ☐ Carcinogens
- ☐ Corrosives (Acid Alkalis)
- ☐ Pyrophorics
- ☐ Inert Compressed Gas
- ☐ Non-inert Compressed Gas
- ☐ Strong Oxidizers
- ☐ Peroxide Forming Flammable Liquids
- ☐ Energetic Materials
- ☐ Highly Reactive Reagents
- ☐ Toxic Metals (Pb, Cd, Be)
- ☐ Corrosive Etching Solutions (Piranha, other)
- ☐ Nano-Scale Materials
- ☐ Cryogenics

Save





## My SAF

SAF ID	Proposal ID	Proposal Title	Principal Investigator	User Facility	Status	
300019	300102	NSLS GU 20150205 Test for Andrew	Stephen Giordano	NSLS	Approved Pending Concurrence	

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Please add the equipment you are bringing to use for your experiment. If you are not bringing any equipment you may skip this tab.

	Name	Acquisition Method	Properties	
<a href="#">Edit</a>	pressure chamber	Self-fabricated	High Temperature, High Pressure	

## Add Equipment



Name/Type of  
Device:

Acquisition  
Method:

(Select One) ▼

Properties:

(check all that apply)

- ☐ High Temperature
- ☐ High Pressure
- ☐ Laser
- ☐ Electrical
- ☐ Stray Magnetic Fields
- ☐ Ionizing Radiation Generator
- ☐ Non-ionizing Radiation Generator

Property Details:

^


v

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## My SAF

SAF ID	Proposal ID	Proposal Title	Principal Investigator	User Facility	Status	
300023	300102	NSLS GU 20150205 Test for Andrew	Stephen Giordano	NSLS	Draft	

[General](#)[Materials](#)[Equipment](#)[Task & Hazard Analysis](#)[Attachments](#)[Summary](#)

Task Description - Please provide a description of the tasks or activities required for your experiment. Provide sufficient detail to describe the tasks involved with the materials and equipment you listed.

**B** *I* U abc         $\times_2$   $\times^2$

Hazard Analysis - Please outline the hazards associated with the equipment, materials, and tasks required for your experiment and the controls (PPE, ventilation, interlocks, spill preparation, constant attendance...) needed to manage risks.

**B** *I* U abc         $\times_2$   $\times^2$

[Save](#)

**END**