Fermilab

Fermilab at work

Scheduling Meeting of 9 October 2007

Reporting to Medical Department during the past week:

Division	Category	Case Date	Date Entered	Reportable?	Rx	Medical		ESH		Case #
						ODD	LDD	ODD	LDD	
AD	FNAL	10/03/2007	10/03/2007	No		0	0	0	0	16598
Medical Comments: An employee backed vehicle into a rock.										
ESH Comments: No personal injury.										
FE	FNAL	10/04/2007	10/04/2007	Yes	Y	0	0	??	??	16618
Medical Comments: Employee and coworker were lifting the cast iron motor of a ventilation fan, & placing it onto a truck bed. Employee experienced intense thoracic back pain. Was sent to off-site clinic for treatment and evaluation; given 3 prescription medications.										
ESH Comments: Will undoubtedly be a DART case.										

DAYS WORKED SINCE LAST DART CASE

Previous Record				Current Record			
D/S	Days	D/S	Hours	D/S	Days	D/S	Hours
BS	1,723	PD	2,410,666	ES	2,456	CD	2,774,823
TD	1,429	TD	1,650,458	CD	2,100	ES	915,235
DI	1,303	BS	1,157,906	DI	2,004	WR	547,659
PD	983	AD	824,034	WR	1,231	PD	441,833
WR	871	WR	436,349	FI	555	DI	366,135
ES	651	CD	402,219	PD	193	TD	232,992
CD	333	ES	305,378	TD	189	FI	144,689
FE	320	DI	233,549	APC	129	BS	74,722
AD	282	FE	217,465	CMS	129	AD	44,467
APC	0	APC	0	FCPA	129	FE	42,611
CMS	0	CMS	0	BS	104	APC	25,804
FCPA	0	FCPA	0	FE	68	CMS	6,178
FI	0	FI	0	AD	18	FCPA	3,864

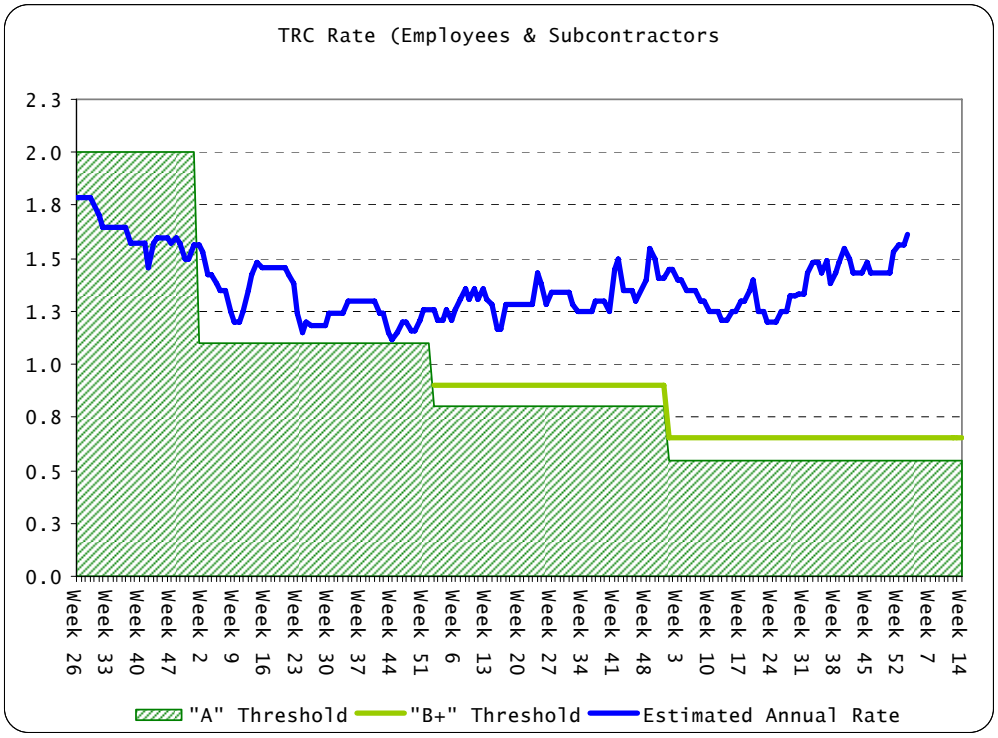
	FY2005	FY2006	FY2007	FY2008 to Date	GOAL
TRC Cases	28	29	31	1	<13
DART Cases	11	7	12	1	<6

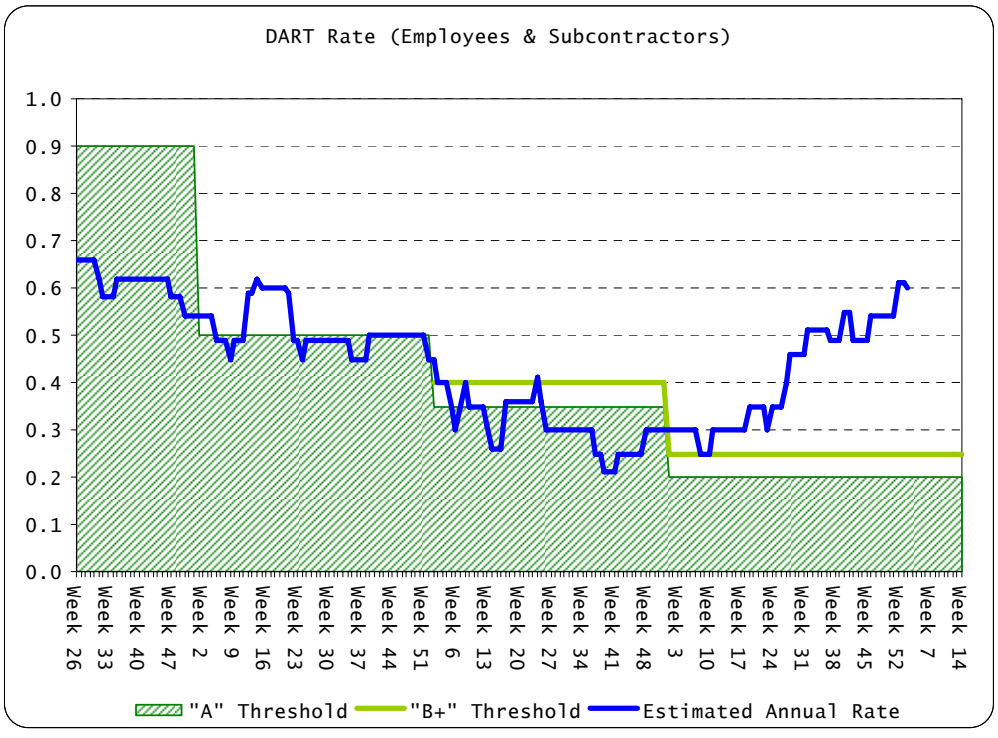
Fermilab Leading/Lagging Indicators
(from 10/01/2007 to 10/09/2007)

Outstanding | Excellent | Good | Marginal | Unsatisfactory

Org	ITNA Completion			Required ES&H Courses			First-Aid Case Rate		Total Recordable Case Rate		Lost Workday Case Rate	
	Completed	*Employees*	*%*	*Completed*	*Required*	*%*	*# Cases*	*Rate (per 100 man-years)*	*# Cases*	*Rate (per 100 man-years)*	*# Cases*	*Rate (per 100 man-years)*
AD	514	514	100.0%	7,944	8,078	98.3%	0	0.00	0	0.00	0	0.00
APC	42	42	100.0%	361	365	98.9%	0	0.00	0	0.00	0	0.00
BS	142	142	100.0%	1,636	1,663	98.4%	0	0.00	0	0.00	0	0.00
CD	266	275	96.7%	1,962	2,015	97.4%	0	0.00	0	0.00	0	0.00
CMS	11	11	100.0%	59	60	98.3%	0	0.00	0	0.00	0	0.00
DI	42	42	100.0%	276	284	97.2%	0	0.00	0	0.00	0	0.00
ES	42	42	100.0%	562	567	99.1%	0	0.00	0	0.00	0	0.00
FCPA	6	6	100.0%	34	35	97.1%	0	0.00	0	0.00	0	0.00
FE	113	113	100.0%	2,013	2,050	98.2%	0	0.00	1	37.88	0	0.00
FI	57	58	98.3%	384	384	100.0%	0	0.00	0	0.00	0	0.00
PD	449	457	98.2%	4,446	4,665	95.3%	0	0.00	0	0.00	0	0.00
TD	227	231	98.3%	2,623	2,682	97.8%	0	0.00	0	0.00	0	0.00
WR	55	55	100.0%	376	379	99.2%	0	0.00	0	0.00	0	0.00
Fermilab	**1,966**	**1,988**	**98.9%**	**22,676**	**23,227**	**97.6%**	**0**	**0.00**	**1**	**2.37**	**0**	**0.00**

ITNA Completion	95 - 100%	90 - 94.9%	85 - 89.9%	80 - 84.9%	0 - 79.9%
Required ES&H Courses	95 - 100%	90 - 94.9%	85 - 89.9%	80 - 84.9%	0 - 79.9%
First-Aid Case Rate	0 - 4.9	5 - 9.9	10 - 14.9	15 - 19.9	³ 20
Total Recordable Case Rate	0 - .65	.75 - 1.2	1.3 - 1.85	1.95 - 2.5	³ 2.6
Lost Workday Case Rate	0 - .25	.35 - .5	.6 - .75	.85 - 1	³ 1.1


TRC Rate (Employees & Subcontractors
2.3
2.0
1.8
1.5
1.3
1.0
0.8
0.5
0.3
0.0
Week 26
Week 33
Week 40
Week 47
Week 2
Week 9
Week 16
Week 23
Week 30
Week 37
Week 44
Week 51
Week 6
Week 13
Week 20
Week 27
Week 34
Week 41
Week 48
Week 3
Week 10
Week 17
Week 24
Week 31
Week 38
Week 45
Week 52
Week 7
Week 14
"A" Threshold
"B+" Threshold
Estimated Annual Rate


DART Rate (Employees & Subcontractors)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Week 26
Week 33
Week 40
Week 47
Week 2
Week 9
Week 16
Week 23
Week 30
Week 37
Week 44
Week 51
Week 6
Week 13
Week 20
Week 27
Week 34
Week 41
Week 48
Week 3
Week 10
Week 17
Week 24
Week 31
Week 38
Week 45
Week 52
Week 7
Week 14
"A" Threshold
"B+" Threshold
Estimated Annual Rate

Unusual Occurrence Reports from other DOE Science Laboratories

1) Employee Fractures Foot

1	SC--ASO-ANLE-ANLE-2007-0010	3	09/28/2007
	Argonne National Lab. - East (BOP)	Notification	10/02/2007

Description of Occurrence (partial):

On September 28, 2007, at approximately 1:20 p.m. an ANL employee presented to Medical with complaint of right foot pain and difficulty walking. The patient indicated that while in a long meeting after sitting for a prolonged period of time their foot fell asleep. The patient stood up from the chair, not realizing their foot was asleep, and rolled their ankle. The patient immediately felt discomfort on the outside of their right foot and the sole of their foot. The patient was able to walk; however, the pain intensified. X-rays taken in the Medical Department indicated a fracture of the metatarsal.

2) Researcher Contamination (Nitrogen -13)

1	SC--BHSO-BNL-BNL-2007-0016	4	09/28/2007
	Brookhaven National Laboratory (BOP)	Notification/Final	10/02/2007

Description of Occurrence (partial):

On September 28, 2007, while preparing a small batch of Nitrogen-13 ammonia gas for instrument calibration at Brookhaven National Laboratory's (BNL) Positron Emission Tomography (PET) Facility; a researcher was contaminated when a test tube released radioactive liquid. Contamination level on the researchers' index finger (which had wicked through double latex gloves) was 50,000 dpm while contamination of his personal shirt was > 50,000 dpm. There was no injury. The researcher was wearing proper Personal Protective Equipment to include: double gloves, gauntlets, lab coat, rubber booties and safety glasses as required by the Radiation Work Permit.

Description of Cause (partial):

It was surmised that an impedance in the attached tubing on the collection device caused a rubber septum to dislodge from a large test tube used for making the ammonia gas and released some of the contents of the tube both as liquid droplets and gas. Contamination (ammonia) broke through double latex gloves worn by the researcher.

3) Employee Trips and Fractures Left Foot

1	SC--BHSO-BNL-BNL-2007-0017	3	10/01/2007
	Brookhaven National Laboratory (BOP)	Notification	10/03/2007

Description of Occurrence (partial):

On September 26, 2007, an employee at Brookhaven National Laboratory (BNL) twisted her foot while walking in a grassy area (approx. 1 meter wide) and fell onto a nearby curb. The fall occurred on the South side of Brookhaven Avenue. On October 1, 2007, it was confirmed that the employee fractured the left foot. The employee was wearing a sandal with a thick flat bottom (approx. 2 centimeters) that had been worn for about a year without incident.