Lab Events Data Collection

This Lessons Learned input form consists of two pages. The first page is designed to collect the information necessary to describe the incident being reported. The second page is designed to help us understand how this incident relates to a fully developed lab safety program as well as other events in similar laboratories. These questions can also help stimulate thought about ways that the event could have been prevented or preparedness for it improved. After you submit the form, it will be reviewed by members of review committee for clarity. Those submissions which we believe will be helpful to other laboratory workers will be included in our web site collection at http://www.dchas.org

Remember that response to any question is optional, however, the more information you provide, the more helpful the information we collect is likely to be to your fellow scientists. If you are willing to have us contact you with further questions or requests for clarification, you may include your email address at the end of the form. That is the only purpose we will use your e-mail address for. Questions about this form can be directed to lessons@dchas.org

Narrative description of the event	
2. Type of Event	
Fire	Electrical shock or exposure to high energy source
Explosion	Injury from machine or equipment
Chemical spill or release	Exposure to Cryogenics
Inhalation exposure	Exposure to Biological Hazards
Skin exposure	Exposure to Radiation or Lasers
Eye exposure	

Near miss (an event with no resulting damage)		
Equipment clean up required One or more lost work days An event with a scientific or financial loss but no injuries Permanent Disability or Death First aid required but no loss of work time Other (please specify) 4. What was the magnitude of the response? Handled by victim Assistance from other campus resources Assistance provided by others in lab External emergency response required 5. Specific Material(s) involved: Chemical 1 (please include amount and concentration) Chemical 2 (please include amount and concentration) Chemical 3 (please include amount and concentration) Chemical 3 (please include amount and concentration) Chemical 3 (please include amount and concentration) Chemical 5 (please include amount and concentration) Chemical 6 (please include amount and concentration) Chemical 7 (please include amount and concentration) Chemical 8 (please include amount and concentration) Chemical 9 (please include amount and concentration) Chemical 9 (please include amount and concentration) Chemical 9 (p	3. What was the consequence of this incident?	
An event with a scientific or financial loss but no injuries First aid required but no loss of work time Permanent Disability or Death First aid required but no loss of work time Other (please specify) 4. What was the magnitude of the response? Handled by victim	Near miss (an event with no resulting damage)	Medical treatment beyond first aid
First aid required but no loss of work time Other (please specify) 4. What was the magnitude of the response? Handled by victim	Equipment clean up required	One or more lost work days
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During an ongoing operation Result of an event outside the lab During an adjustment to an ongoing process	Process start-up	After process is completed
During an adjustment to an ongoing process	During an ongoing operation	
Other (please specify)	During an adjustment to an ongoing process	
	Other (please specify)	

7. Type of laboratory	
Instrument Lab (minimal chemistry involved)	Service Lab (long term stable chemistry)
Research Lab (chemistry changes irregularly)	Secondary School Teaching Lab
Higher Education Teaching Lab (well planned chemistry supervision)	with This event occurred outside the lab setting as defined by OSHA
8. Years of experience in this laboratory for the per	rson most directly involved in the incident
< 1 year	5 - 10 years
1 - 3 years	> 10 years
3 - 5 years	
Other (please specify)	
Education level of person most directly involved	
Secondary student	Graduate student
Undergraduate student	Post graduate education
10. Personal Protective Equipment in use	
Gloves	Safety goggles
Lab coat	Face shield
Foot protection	Respiratory protection
Protective overalls	None
Safety glasses	
Please describe specific types of the Personal Protective Equi	ipment used
11. Other Relevant Factors Present	
Working alone	
Working outside standard business hours	
Unattended Chemical Process	

	include any that	,			
Number of people injure or ill	t				
Dollar amount					
Working time loss					
Scientific losses (data, samples, equipment)					
13. Describe the pri	mary cause of th	ne event			
any lessons you lea	rned from this e	vent to preven	t the incident from	recurring.	
15. Were there any	opportunities to	improve respo	nse to the event a	fter it occurred	l?
16. Source of Inforn	nation				
16. Source of Inform					
	e				
Personal experience Media report	e				
Personal experience Media report	e				
Personal experience Media report	e				
Personal experience Media report	e				
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Personal experience Media report	e				
Personal experience Media report	e				

Knowledge of the			
Scientific Community about the hazard			
Lack of procedure	\bigcirc	\bigcirc	
Legacy conditions that precede the current occupants	0		
Chemical labelling			
Chemical quantity or concentration			
Improper procedure		\bigcirc	\bigcirc
Poor equipment maintenance or design			
Equipment malfunction			
Facility limitations			
Presence or absence of			

	Direct cause	Contributing factor	Not a factor
Employee training			
Communication between co-workers			
Expertise of the chemical users		0	
Laboratory inspections			
Human factors such as confusion or improper motivation			
comments on these factors			
0. Emergency Planning a	nd Response Factors		
a. Indigono, i laming a		0-4" " (;	N. c.
	Direct cause	Contributing factor	Not a factor
Emergency equipment available and functional			
Emergency responders aware of potential hazards			
Emergency communications			
comments on these factors			
offillions of these factors			
.4. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
		e incident once it occurred?	
Personal Protective Equipm	nent	Emergency Planning	
Building Sprinkler System		Emergency Response Resc	ources
Fire Extinguisher		Laboratory Ventilation	
other (please specify)			

22. Suggested changes to prevent recurrence or	minimize losses
Hazard Elimination	Personal Protective Equipment
Engineering Controls	Improved Training
Administrative Controls	
Please explain	
23. E-mail address for Point of Contact for follow f you are willing to answer guestions about the e	up information (optional) event reported on this form, we would appreciate your e-
mail address to facilitate this.	у ст