



Standard Investigation Report

Incident ID: 130014 (Supervisor Report)

Incident Information

| Incident Details, Description and Sequence of Events | | |
|--|---|--|
| Incident Title: Sodium hydroxide in eye | | |
| Date: Sep 27, 2022 | Time: 4:05 PM | Building: BIO - Biological Sciences Building |
| Description of Incident Location (please do not include personal information such as names, gender pronouns and medical information): Room number 1202. North east side of the room next to the hose against the wall. | | |
| Main Body Part Injured: Eye | Side of main body part injured: Right | Secondary Body Part Injured: No injuries |
| Accident Type: Contact with Chemicals | Injury Type: Chemical Burns | Serious injury/incident?: No |
| Describe fully what happened before, during, and after the incident (please do not include personal information such as names, gender pronouns and medical information): Before the accident had occurred, the individual was cleaning up the room preparing for an inspection. He had moved a drum of sodium hydroxide next to another drum of sodium hydroxide so that he can compile its contents into one drum. While the pump was draining the one tank into the other, the worker continued cleaning the room and at one point needed to re-install the centre stand pipes into the tanks just next to the sodium hydroxide drums. As he walked by the drums with the 2 stand pipes, one of the stand pipes caught one of the hoses of the dosing pump from one of the drums and the hose was pulled out and flicked a tiny slurry of sodium hydroxide into his eye. | | |

Accident Investigation

| |
|-----------------------------------|
| Task Related Causes |
| No "Task" Causes |
| Environment Related Causes |
| No "Environment" causes |
| Equipment Related Causes |
| No "Equipment" causes |



Organizational Related Root Causes

No "Organizational" related causes

Human Related Root Causes

Other (specify below)

Other human related causes:

Not fully aware of surroundings

Root cause

Incorporating the above factors, determine and describe the root cause of the incident or accident:

The main root cause was that the worker was not fully aware of his surroundings and as he was next to the drum of sodium hydroxide, he turned and one fo the two pipes he was holding caught a hose from the sodium hydroxide dosing pump and pulled the hose out and flung a tiny slurry of sodium hydroxide out and into his eye.

Persons who carried out or participated in the investigation

Employer representative name:

Patrick Tamkee

Job title:

Aquatics facility manager

Worker Representative Name:

Bruce Gillepsie

Job title:

Engineering technician

Corrective Actions

Corrective Action to prevent recurrence of similar incidents (1)

Corrective Action Identified:

-In the facility, for all the dosing pumps with sodium hydroxide to use the poly-ethylene white hose which will fit on more tightly than the clear hoses that the pump provider supplies.

Assigned to (name):

Patrick Tamkee

Job title:

Aquatic facility technician

Final Actions Taken:

All hoses have been replaced with PE hosing.

Date to be Completed:

2022-10-28

Date Completed:

2022-10-14



| Corrective Action to prevent recurrence of similar incidents (2) | | |
|--|--|--|
| Corrective Action Identified: -Installing a lid on all drums to reduce any loss of sodium hydroxide from the drums or items accidentally falling in. | | |
| Assigned to (name): Patrick Tamkee | Job title: Aquatic facility technician | |
| Final Actions Taken: Plastic lids installed on all barrels | | |
| Date to be Completed: 2022-10-28 | Date Completed: 2022-11-02 | |

| Corrective Action to prevent recurrence of similar incidents (3) | | |
|---|--|--|
| Corrective Action Identified: -Install a clear protective tube over the dosing pump and hoses to protect them from being accidentally pulled out if people are walking by it. | | |
| Assigned to (name): Patrick Tamkee | Job title: Aquatic facility technician | |
| Final Actions Taken: An alternative to getting clear protective tubes to cover the hoses is to strap the hoses down so that they are not loose. | | |
| Date to be Completed: 2022-10-28 | Date Completed: 2022-11-02 | |

| Corrective Action to prevent recurrence of similar incidents (4) | | |
|---|--|--|
| Corrective Action Identified: -Install signage on all drums to indicate to wear PPE when working with or around the drum. | | |
| Assigned to (name): Patrick Tamkee | Job title: Aquatic facility technician | |
| Final Actions Taken: Laminated signage have been installed. | | |
| Date to be Completed: 2022-10-28 | Date Completed: 2022-11-02 | |

| JOHSC/LST Additional Action to prevent recurrence of similar incidents (1) | | |
|--|---|--|
| Item: Discuss at LST meeting. | | |
| JOHSC/LST Member Assigned (Name): Patrick Tamkee | JOHSC or LST Membership (JOHS Committee or Local Safety Team you are following from): Zoology LST | |
| Final Actions Taken: | | |
| Date to be Completed: | Date Completed: | |

