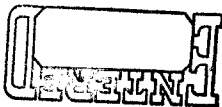


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CONTRA COSTA HEALTH SERVICES

COMPLAINT, INCIDENT, AND NOTIFICATION REPORT FORM

Type (Circle One): C I N

Received Date: 06/13/17 Received Time: 8:39 AM Received By: CT/SD Lead: CT/SD

Incident Date: _____ Incident Time: _____ Assigned to: _____ Assigned Date: _____

CASE NUMBER: 17-06-13 - 01

COMPLAINANT / REPORTING PARTY:

Name: Dominic Ciotola RP is from Facility Anonymous

Organization: Con Fire Dispatch/ Con Fire

Primary Phone Number: 925-941-3511 Secondary Phone Number: _____

Email: _____

Address: _____

City: _____ State: _____ Zip Code: _____

FACILITY / LOCATION OF INCIDENT:

Name: Black Diamond Mines (EB Parks) CUPA Facility I.D.: _____

Phone Number: EB Parks Dispatch - 510-881-1833

Address: 5175 Somersville Rd Unit: _____

City: Antioch State: CA Zip Code: _____

Location Description: Entrance to Black Diamond Mine

INITIAL INCIDENT DESCRIPTION: Contractors mixed incompatible chemicals, vapor cloud formed

INCIDENT TYPE / DESCRIPTION:

Community Warning System Level (Circle Highest Level): N/A 0 1 2 3

FACILITY	ISO / MCAR	TRANSPORTATION	MISCELLANEOUS
<input type="checkbox"/> Fire or Explosion	<input type="checkbox"/> Fatality (one or more)	<input type="checkbox"/> Tank Truck	<input type="checkbox"/> Storm Drain/Creek
<input checked="" type="checkbox"/> Spill or Release	<input type="checkbox"/> > 24 hrs. Hospital, 3 or more people	<input type="checkbox"/> Railroad	<input type="checkbox"/> Drug Lab
<input type="checkbox"/> Startup or Shutdown	<input type="checkbox"/> Flammable Vapor Cloud > 5,000 lbs.	<input type="checkbox"/> On Water	<input type="checkbox"/> Disposal/Abandonment
<input type="checkbox"/> Flaring		<input type="checkbox"/> Pipeline	<input type="checkbox"/> Odor Complaint
<input type="checkbox"/> Upset		<input type="checkbox"/> Fuel Tank	<input type="checkbox"/> Other:

Time Enroute to Scene: 8:47 AM Time Arrived On Scene: 9:05 AM Time Departed From Scene: 1:00 PM

REFERRED TO OTHER AGENCY:

DTSC STATE FUNDING (if applicable):

CLU/ERER Number: _____

STORMWATER STATUS (if applicable):

Actual Discharge Potential Discharge



AGENCIES ON SCENE OR NOTIFIED:

<u>Agency Type</u>	<u>Agency</u>	<u>O/N</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>Case Number</u>
Fire Department	Con Fire	O	Dominic Ciotola	925-941-3511	
Law Enforcement					
Air District					
State OES					

REPORT:

On June 13, 2017 at 8:39 AM, Contra Costa Health Services Hazardous Materials Programs (CCHS HMP) Incident Response Team received notification from Con Fire Dispatch that a hazardous condition had occurred at the Black Diamond Mine located at 5175 Somersville Road in Antioch, CA. CCHS HMP then conferred with East Bay Parks (EB Parks) Dispatch (Black Diamond Mine is located on EB Parks property). Initial reports indicated that a contractor working on the mine had mixed two incompatible chemicals. No injuries were reported and the mine had been evacuated.

Hazardous Materials Specialists (HMS) S. Dwight and I. Williams responded to the Black Diamond Mine at 8:47 AM in HM1 and arrived on scene at approximately 9:05 AM. C. Tougeron, K. Abramians, D. LeCount responded to the scene in HM2 at 9:03 AM and arrived on scene at 9:25 AM. HMS J. Pham and L. Friedman responded in HM3 at 9:04 AM and arrived on scene at 9:26 AM.

Matt Bothun and Brian Luce of Syblon Reid General Engineering Contractors (SBC) stated that SBC had been contracted by EB Parks to perform mine stabilization activities. SBC was using 5 gallon buckets to transport a concrete accelerant from containers in a staging area to the mine, where it would be pumped into the mine and applied. SBC was had been using one brand of accelerant (Eucon SureShot) and then had switched over to another brand (Daraset 400) of what they believed to be similar material. When the new brand of accelerant (Daraset 400) was added to a bucket containing residual accelerant of the other brand (SureShot), a reaction occurred. SBC personnel reported seeing yellow-brown vapor and smelling a "chlorine" odor. SBC's nitrogen dioxide (NO2) meter, used routinely for mine work, detected nitrogen dioxide from the reaction. SBC personnel transported two buckets of reacting substance from the entry of the mine, where they had been preparing to pipe it into the mine, to an open dumpster in a clearing. SBC personnel replaced the bucket lids and covered the buckets with plywood and dirt to minimize the initial reaction.

HMS S. Dwight and I. Williams performed an initial entry in Level B PPE to recon the buckets. They observed brown vapor coming from the open bung in the bucket lids. Air monitoring was conducted using a 4 gas meter, PID, chlorine gas badge, and an NO2 meter (courtesy of SBC). No readings above background were observed in the vicinity of the dumpster, but air monitoring directly above the bungs detected chlorine and NO2. The vapor coming out of the bung in both buckets had a pH of 1 and was an oxidizer. CCHS HMP IR Team personnel identified the substance as fuming nitric acid generated from the reaction between the two chemicals.

Additional Required Items: Bill of Lading, Request for Invoice, and Site Safety Plan

Report Prepared by: S. Dwight

IR# 17-06-13-01 Continuation

A second entry was performed at approximately 11:30 AM by HMS D. LeCount and J. Pham to containerize the chemicals for transport. The buckets were moved out of the dumpster and placed into open drum liners contained in a wading pool (for spill prevention). Additional offgassing was observed after the buckets were moved. At 11:40 AM the bucket lids were opened to allow the reaction to go to completion. A puff of brown smoke was observed when each bucket lid was removed. At 11:53 AM, chlorine readings above the open bucket were 0.3 ppm and NO₂ was 0 ppm. CCHS HMP personnel transferred the contents of the buckets into new, DOT-approved 5 gallon buckets with lids and then placed the 5 gallon buckets into a 30-gallon drum. The contaminated containers were placed in a second drum along with contaminated PPE for disposal.

Site safety briefings were performed prior to each entry and an ICS form 208 (Site Safety and Control Plan) was prepared. Con Fire BCs Atlas and Ciotola served as Incident Commanders during the response. Con Fire Engine 8 personnel served as back up rescue operations and during entry and assisted with decontamination.

CCHS HMP IR Team transported one 55 gallon drum containing acidic waste and one 55 gallon drum of PPE and debris contaminated with acid to the CCHS HMP hazardous waste storage area for disposal. HM1, HM2, HM3 departed the scene at 1:00 PM.