"Rite in the Rain"®
ALL-WEATHER
JOURNAL
No. 391

Tacoma Aluminum
Phosphate Response
Book 1 of 1
TO-0520-008

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INCH

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ALL-WEATHER WRITING PAPER

Tacoma BNC/4/15/19

Name ~~Ecolab~~ Aluminum Phosphide Response

Address 401 ~~E~~ Alexander Ave

Tacoma, WA, 98421

Phone

Project 1004530.0520.08.02

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03:50 START Arrived on Site
Two drums of suspected aluminum phosphide gas are reacting. Fire department has reaction under control. Area crossed off

04:20 EPA, Ecology, Fire department conversed about monitoring station. START will have two fixed stations and one roving team with specialty sensors.
Action levels: Phosphe 0.3 = PEL

4:46 Move staging area closer to Hot Zone. Fire department Responded at 5:30 pm 3/19/19
Action Levels: SO_2 REL = 2 ppm
HCN REL = 4.7
Phosphe = 0.05 ppm

05:30 START Has far stationary air monitoring stations placed and marked in collects. ~~Pro~~ RAE Guardian will be configured for monitoring.

5:50 Drager 7000 CN monitors placed at MS02 & MS03

6:08 PRR contractor NRC arrived one site, recommending no reaction adjetation till ~~2300~~ 2400 tonight. Restrict access to site. Normal operations during the day with constant monitoring in facility

3/20/19

Vigilorous 3rth 1 point of Tony Vern

3/20/19 Tacoma Alum. Phos. To-0520-008

After 24 hrs, react again till fully reacted. NRC will dispose of end product.

Rain possible friday / saturday.

UV exposure deactivates aluminum phosphide

Elevated values of 0.3 ppm phosphide is the site Action Level.

EPA will Request written plan from EcoLam Regarding their monitoring plan ~~befor~~. If 0.3 ppm is exceeded then the Fire department will be notified

800 ProRAE Guardian will not be used

6 internal monitoring areas will be designated for PRP's Monitoring: ML01, ML02, ML03, ML04, ML05, ML06. In addition to the locations already being monitored by start MS01, MS02, MS03, MS04.

830 33g / 10.0 cuft Fumigant applied, Apex 10 cases, one container poured into a cotton sleed per hold

L_{case} = 28 flashs, 500g Kg per Flash

gas in solid state, reacts w/ atmosphere

~70 000 grams of product to each hold

14 sleeves w/ 28 flashs

Fumigation on Dec 6, Wheat to

3/20/19

3/20/19 spellets = gram total 80,000 g
Tacoma Alum Phos. TO-0520-008

Yemen, didn't sail because it was seized, Vessil is the Vigorator Fumigation tracked by the pellet Rounded = flash, Volume

Notification Action level: Peak of 5ppm or 0.3 ppm for 5min. outside facility, inside 1ppm sustained

~~0945 START Demobilized~~ ANC 3/20/19

START, EPA, Ecology conducted walk through of site & confirmed monitoring locations with EcoLabs & NRC contractor confirming locations and Action Levels

0945 START Demobilized from site back to the logistics center. (LC)

1015 START Reached LC, equipment placed back on charge incase of additional responese activities

1240 Instrumentation Used on site

Drager Pac III - A59899

Drager Pac III - A59904

alarm constantly going off, sensor saturated, returned for Maintance

Drager Pac 7000 - SB6146

Drager Pac 7000 - SB6145

3/20/19

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MultiRae - SB6192
MultiRae - SB 7022
Drager CMS - A59906
Area Rae - SB 7539
Area Rae - SB 7536
Area Rae - SB 7538
Area Rae - SB 7537

1850 START (Criss & Cafferty) rembiler from LC

1930 START Arrived on site with ERT and ~~Ear~~ with same equipment

1945 Meeting w/ EPA, DOE NRC to discuss action plan. NRC entry team will enter in Lever B with FRC and clean off top of channel if no rxn occurs, they will adjetate the containers. START will perform permiter monitoring with 2 stationary Area Raes. Roving permiter monitoring will occur with Drager Pac III. Data will be collected with collector

2002 initial adgetation caused bubble ongoing reaction. No unexpected reaction. Contents raked and poured out from the container.

[signature] 3/20/19

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2015 Moved to North grouping of drums. On south cons, only one reacted. All others had no reaction. Reactive are trapped under crust. Consistency of liquid or water. EcoLabs indicated layer so only thing holding back the reaction NRC high levels directly down wind of 1.85 ppm. NRC also monitoring with temperature guns in an hour NRC will ~~require~~ check temperature for elevation. Regular Monitoring will continue throughout night. In the morning a.d.c. Kimmel adjetate will occur followed by Clean up. START will continue monitoring till the 21:00 ProRae Guardian established and taking data from perimeter locations.

2100 START ceased monitoring and collected equipment.

2115 START demobed from site to return to the LC

2200 START returned to wire house & placed equipment Bench in respective places

[signature] 3/20/19

3/20/19 Tacoma Alum, Phos. TD-0520-008

End of Logbook

3/21/19

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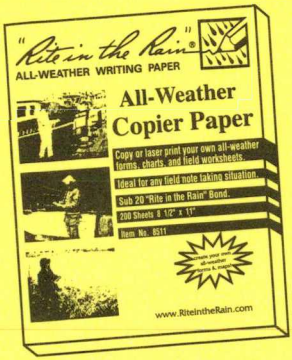

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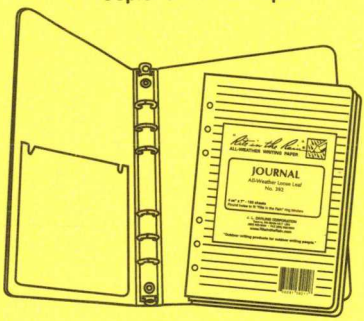
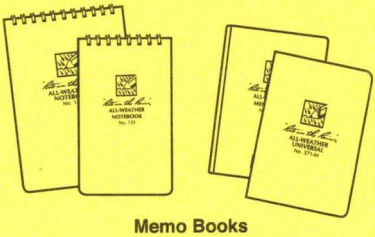


Loose Leaf with Ring Binders



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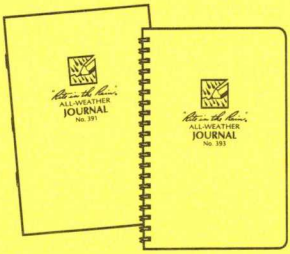

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