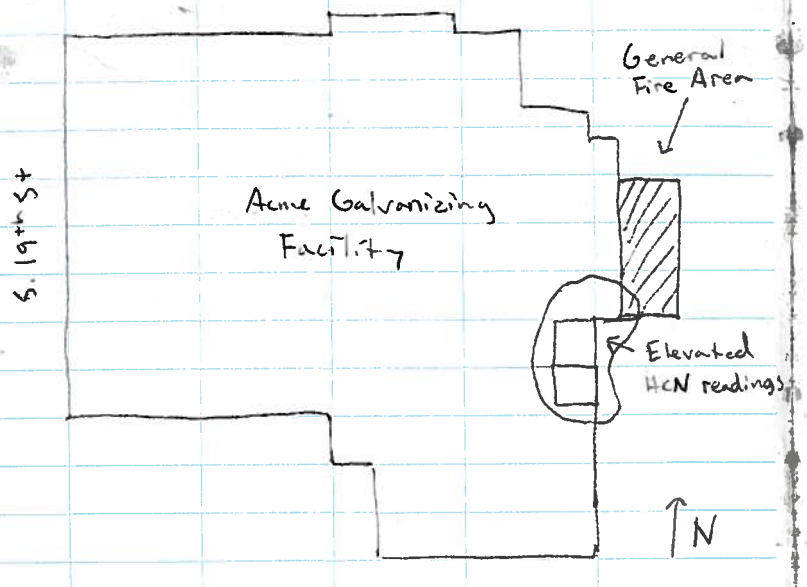
3-16-14

1615 - START Summers on-site. Acme Galvanizing Fire, 2730 S. 19th Street, Milwaukee, WI. Level D PPE. 66° Cloudy NNE wind 19 mph USEPA Kathy Halbur on-site. Milwaukee Fire Department on-site. Representatives from Acme on-site. Wisconsin DNR on-site.

630 - Fire occured/began at approximately 0830 on eastern end of building.



1640 - START conduct site walk with Milwaukee fire department. MultiRAE Pro EPA 015-1 calibrated. %Oxy - Pass %LEL - Pass Gamma - Pass

3-16-14

1640 (cont) - HCN - Pass, VOC - Pass. Milwaukee Fire Department carries Toxirae Pro + MSA Hcn Pro. USEPA 015-1 MultiRAE Pro's HCN sensor expired in June, 2014. Milwaukee Fire Department conducts calibration of field instruments monthly. In doorway south of General Fire Area - Fire Department recorded readings of ~ ~~50~~ ~~10~~ 50 ppm w/ Toxirae Pro + MSA Hcn Pro. USEPA 015-1 MultiRAE Pro recorded readings of 1 ppm for HCN. VOCs were ~ 6,000 ppb. Conducted walk of interior. Green liquid on ground/floor.

1800 - START mobilize to deliver summa canisters + water/product samples to laboratory.

3-16-15

Rite in the Rain

3-16-15

3-16-14

2120 START Pallardy on-site. Safety briefing + site briefing. PEP START to conduct overnight monitoring of HCN, VOCs + weather conditions.

2130 - Multi RAE Pro positioned for monitoring

Time	HCN (ppm)	VOC (ppb)	Wind speed mph	Wind Direction	Temp (°F)	% Humidity	Weather Conditions
2130	2	0	17	N	41	78	Clear
2200	0	10	17	N	41	78	clear
2230	0	20	19	NNE	41	84	Partly Cloudy
2300	0	20	22	NNE	40	88	cloudy
2330	0	20	15	NNE	40	86	cloudy
2400	0	10	16	NNE	40	86	Cloudy
2430	0	0	16	NNE	39	86	Cloudy
0000	0.5	0	16	NNE	39	89	Cloudy
0030	0.5	0	10	N	40	89	Cloudy
0200	2.0	80	10	N	40	87	cloudy
0230	1.5	20	16	N	43	68	Cloudy
0300	1.5	0	17	N	43	66	cloudy
0330	0.5	0	17	N	42	70	cloudy
0400	2.5	0	18	NNE	41	72	cloudy
0430	1.0	10	20	NNE	35	71	cloudy
0500	0	0	20	NNE	35	69	cloudy
0530	0	0	20	N	36	76	cloudy
0600	1.0	0	21	N	35	69	cloudy

Rite in the Rain

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0650	2.0	0	22	N	35	54	cloudy
0700	0	120	17	N	34	35	cloudy
0730	0	0	20	N	34	40	partly cloudy

2315 - Conducted site walk with Tim (employee on site) to waste water treatment area. 0ppm for HCN.

2345 - MultiRAE Pro displays Neg for ~~HCL~~ HCN readings. Conduct fresh air calibration off-site. Neg message cleared.

2350 - START Pallardy back on-site.

0205 - START Pallardy off-site.

0220 - START Pallardy on-site.

0310 - MultiRAE Pro reading static 3ppm HCN. START moves upwind of fire area. Readings remain at 3ppm for HCN. START heads off-site to conduct fresh air calibration.

0315 - START Pallardy on-site.

0435 - Conducted site walk with Tim to waste water treatment area. 1ppm for HCN.

0445 - VOC readings steadily rising above 10,000ppb in office area. Move to exterior, readings continue rising. START off site to fresh air calibrate MultiRAE Pro.

0455 - START Pallardy on-site.

0515 - Conduct site walk of fire area. Photos taken.

3-17-15

0730 - START Summers & Scott on-site.

0740 - Calibrate U75947X MultiRAE Pro Tetra Tech's. Began with single sensor span for HCN calibration, passed. Conducted single sensor bump for HCN calibration, passed. Conducted single sensor span for VOC cal., passed. Conducted single sensor pump for VOC cal., passed. Conducted multisensor span for LEL+O_2, passed. Cond. multisensor pump for LEL+O_2, passed — USEPA RAE OLS-1 sensor (HCN) replaced

0810 - Calibrate USEPA Area RAEs

Office — 05-RAE 0009-1: HCN: 9ppm VOC: 100ppm LEL: 49% - HCN Alarm - 5.0ppm

NW Area — 05-RAE 0009-2: HCN: 10ppm VOC: 100ppm LEL - 49% - HCN High Alarm - 5.0ppm

— 05-RAE 0009-3: HCN: 10ppm VOC: 100ppm LEL - 49% - HCN High Alarm - 5.0ppm

NW Gate — 05-RAE 0009-4: HCN: 10ppm VOC: 98.7ppm LEL - 50% - HCN High Alarm - 5.0ppm

0850 - Calibrate HCN USEPA OLS-1 Sensor

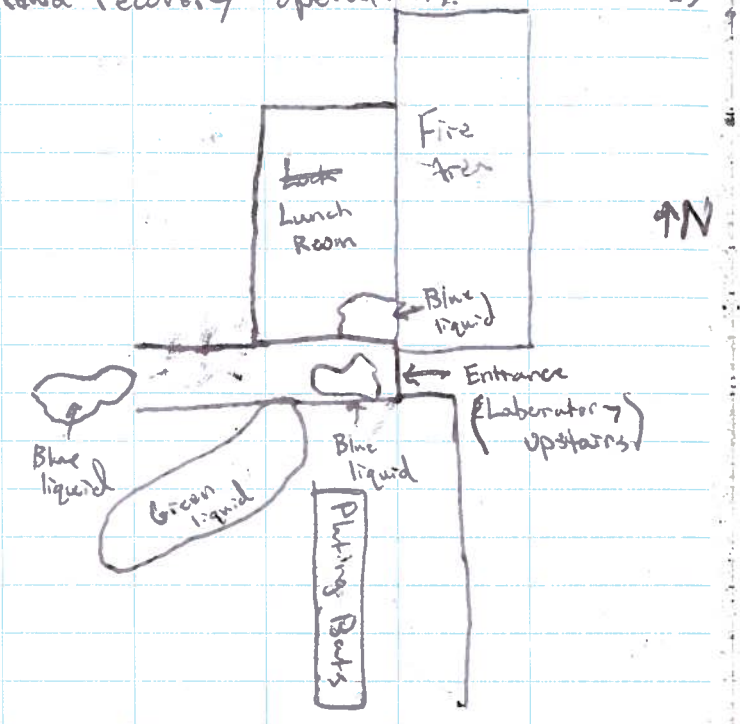
1201 - Tt Level B entrance w/ Milwaukee Fire Department. Readings recorded

Rite in the Rain

3-17-15

1201 cont. with MultiRAE Pro. Readings ranged from 0.0 - 2.0 ppm for HCN. ——— LS

1330 - Remediation Contractor will be conducting fluid recovery operations. ——— LS



1430 - Remediation Contractor finishes liquid recovery operations. Level B air monitoring range during recovery operations 0-7ppm for HCN. ——— LS

1530 - Perimeter air monitoring will continue

3-17-15

1530 - during fire cleanup actions, in areas taped off by USEPA + START.

1540 - START Off-site. ——— LS

3-12-15

Rite in the Rain

Kevin Scott

Rite in the Rain®

ALL-WEATHER

FIELD

№ 351

ACME GALV. E.R.

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KS

3/16/15

Monday, March 16, 2015

1220 Chris Burns (CB) + Lance Summers (LS) of TetraTech (TT) inform Kevin Scott (KS) of TT of Emergency Response in Progress at a Plating Facility in Milwaukee, WI - ACME GALVANIZING, INC. Contaminant of Concern Hydrogen Cyanide (HCN) - Fire + Explosion at facility at approx 8:00 this morning KS + LS to mobilize to scene + meet w/ EPA OSC KATHY HALBUR (KH) L.S. to travel to EPA warehouse in Willowbrook, IL to retrieve multiRAE Pro w/ HCN sensor. - TT instruments do not have HCN sensors. L.S. to return to TT Chicago office to pick up K.S.

1445 C.B Directs K.S to make

3/16

Rite in the Rain

3/16/15 (cont.)

in Second vehicle and meet LS in Milwaukee rather than delay any longer

1450 KS. enroute w/ Equipment + Supplies KS

1630 KS Arrives on scene
weather: mostly Sunny, Light Breeze from NW, temps in 50's
KS meets w/ KH and gets briefed on situation w/ DEP rep. + FD onscene.
~~FD L.S. accompanies~~ KS
L.S. on scene before KS by approx. 30 minutes.
L.S. accompanies FD personell + performs Air monitor in + around facility. FD using HCN TOXIRAE + LS. using MultiRAE Pro
FD instrument pegs at 50 ppm. EPA instrument reading - MAX 1 ppm. K.H.

KS

Discusses situation w/ START w DEP FD
Fire is out w/ exceptot minor smoldering on east side of facility where fire occurred.
KH tasks START w/ getting more HCN instruments AND to arrange for sample analysis for 3 Summa canister samples + 1 AQ sample. C.B. initiated calls to C.T. Lab but stopped when word was that State would perform analysis. K.S. confirmed w/ KH to move forward w/ TT procured lab when State could not perform analyses. KS
Samples collected by FD in summas provided by OSG. KS
Report was that fire fighting water (w/ Green Dye) released

Rite in the Rain

Acme GALV. ER 3/16 (cont.)

into nearby River (Kinnickinnic River?)
site located at 19th + W. Cleveland Ave in S. Milwaukee
Pulaski Park to EAST, (and River) RR to South
Detroit Controls to WEST.
1840 KH relinquishes samples to L.S. who ships from FedEx location nearby to ALS lab - SUN VALLEY. under chain of custody.
KS photographs chain-of custody records
1900 KH, KS + Acme Rep. (ED) + Discuss Plan for 3/17.
Acme has cleaning contractors (ADV. WASTE, SERVPRO + SIGNAL) scheduled to be onscene
EPA contacted Civil Support Team (CST). + CST members will also be onscene to assist TT w/ Perimeter

K. Scott

Acme GALV. ER 3/16/15 (cont.)

Air monitoring + H+S
KH. tasked to perform pers. Air monitoring over night to ensure no HCN is migrating off site. TT personnel set up down wind (east side of site. KS requests back up for night shift Air monitoring OPS. C.B. Sends Paul Pallardy (PP) from Chicago.

K. Scott
3/16/15

Rite in the Rain