FRIDAY 4/3/15

12:40 - TETRA TECH START D. VON BUSCH ON-SCENE AT GE APPLIANCE PARK, BUILDING 6 FOR BUILDING FIRE ER. 65; PARTLY CLOUDY, 5-10 mph WNP. LARGE SMOKE PLUME, ASCENDING MOVING GENERALLY TO EAST-NORTHEAST.

12:45 - MEET UP WITH USEPA OSC ART SMITH BY KDEP OFFICE/RESPONSE TRAILER. KDEP AND EPA WERE ALREADY ON-SITE. SITE COORDINATES FOR FIRE: -85.64546, 38.16214.

13:15 - TWO TETRA TECH STARTS ARE EN-ROUTE TO SITE AND EPA FROM ERLANGER ERT.

ALSO NOTE, THERE HAS BEEN RECENT FLOODING THROUGHOUT THE AREA.

14:30 ERT + CINCINNATI STARTS ARRIVE, BEGIN TO SETUP

KDEP DATARAMS AND VIPER, WCEM2 GATEWAY, LINC 103 -85.64038, 38.176789

KDEP DATA RAM DEPLOYED 14:14

Scale: 1 square =

FRIDAY 4/3/15

ERT GATEWAYS, 31, 61, 98, 95
LINCS 166, 148, 149, 150
32, 82

1517 - EPA ROAMING DATA RAM FOR PARTICULATES, SET UP W/PM2.5

TIME	POINT	READING	COORDS
1517	1	25.1 ug/m³	38.1644 -85.6445
1520	2	19.5	38.1639 85.64453
1522	3	5.2	~~38.1284~~ 38.16286 -85.64459
1523	4	61.7	38.16192 85.64587
1525	5	165.2	38.161674 85.642969
1528	6	108.9	38.163148 85.643325

POINT 1, EAST OF BLDG 6, NORTH
POINT 2, " " CENTER
POINT 3 " " SOUTH
POINT 4 " " TRAFFIC LIGHT
POINT 5 " " PARK/BLASKILL
POINT 6 " " NEAR COMMAND OUTER ROOD

Scale: 1 square =

FRIDAY 4/3/15

NOTE: HEAVY RAIN W/THUNDER AND LIGHTNING MOVED INTO AREA APPROXIMATELY 13:30. NOT ABLE TO DEPLOY DATA RAMS.

17:00 STARTED TWO DATARAMS IN PARKING STAGING AREA, OUTSIDE, FOR TESTING VIPER DATA STREAM AND COLLECTION.
LINK 149, DATARAM 402
GATEWAY. (SEE PHOTO'S.) EDAER195
LINK 148, DATARAM 445

1930 START TOBIAS, ERT, AND KY DEP DEPARTED site to deploy DATARAMS DOWNWIND of the smoke plume. The DATARAMS WERE DEPLOYED at the following locations:

- FERN VALLEY RD AND POPLAR LEVEL RD (38.157566, -85.645725); LINE # 148, GATEWAY # 98, UNIT NDT-445.
- 7109 ASTIN COURT (38.155021, -85.645958); LINE # 149, GATEWAY # 95, UNIT # NDT-402.
- 6808 WOODROW WAY (38.149695, -85.637647); LINE # 150, GATEWAY # 61, UNIT NDT-404.
- KY DEP ADR 1500, CREDIT UNION ATM (38.158091, -85.647894); LINE # 103,

Scale: 1 square =

FRIDAY/SATURDAY 4/3/15-4/4/15

1930 (cont) Gateway # WCEM1.

2000 START PRYS on-site. START Von Busch updated START PRYS on site activities.

2130 START DEPARTED site to visually inspect DATARAM locations and to verify GPS coordinates.

2215 START PRYS AND TOBIAS DEPARTED site to pick up rental vehicle.

2330 START PRYS RETURNED to site. START TOBIAS completed work for the day. START PRYS AND VON BUSCH DISCUSSED ACTIVITIES for the night shift.

4/4/15 (PP)

0100 START VON BUSCH COMPLETED WORK for the day AND DEPARTED the site. START PRYS REMAINED on site to monitor particulate levels via VIPER.

0315 DEPARTED site to check on DATARAMS. All SEEMED to be functioning properly. Monitoring INDICATED particulate levels DECREASED to < 10 μg/m³. Visual inspections of the monitoring AREAS INDICATED light smoke in the AREAS.

Scale: 1 square =

Rite in the Rain

Saturday 4/4/15

0430 Particulate levels for units NDT-445 and NDT-402 increased to 450-670 µg/m³. Dark smoke plume from the ~~southwest~~ south side of the building appeared to be heading south to southeast.

0500 Particulate levels for units NDT-445 and NDT-402 spiked to 850-1790 µg/m³ for brief period and returned to levels <10 µg/m³.

0700 OSC Smith and START Von Busch and Tobias arrived on site. START Prys brief them on site activities and on monitoring results.

0735 EPA and START briefed GE personnel on overnight monitoring results. (GE Mike Groh). EPA ERT was in process of changing line batteries at EPA air monitoring stations.

0830 START Von Busch and Prys walked the site conducting photo documentation of site activities.

0900 - OSC Smith stated that GE is bringing in demolition contractors. (cont'd)

Scale: 1 square

SATURDAY 4/4/15

0900 - Demolition contractors plan to push building debris away from south side of building, to allow fire-fighters to advance deeper into the smoldering/burning building. OSC Smith also stated that air monitoring will likely continue through the day.

0930 - START Prys left site.

1100 - Created maps showing predicted wind directions over the next 32 hours, for use in planning future air monitoring locations.

1425 - Four air monitoring units were moved/deployed downwind of the plume
- Mercy School (38.166359, -85.637771) LINC 150, Gateway NDT-404, 6C.
- Business, S. Hurstbourne (38.163224, -85.632378) ~~LINC 742, Gateway 742,~~ DNP LINC 742, Gateway 31, NDT-403.
- Black Mountain Dr. (38.169293, -85.643266) LINC 149, Gateway 95, NDT-402.
- FedEx (38.172951, -85.643082) LINC 148, Gateway 98, NDT-445

Scale: ~~1 square~~ Rite in the Rain

SATURDAY - SUNDAY 4/4/15-4/5/15

1600 - EPA ERT AND START REPLACE THREE BATTERIES (LINC UNITS) ON DEPLOYED AIR MONITORING EQUIPMENT

1840 START PRYS on-site. MET WITH START VON BUSCH AND TOBIAS to DISCUSS SITE ACTIVITIES.

1930 EPA ERT MOVED DATARAM NDT-403, LINC 742, GATEWAY 31 from the BUSINESS on S. Hearstbourne to the RESIDENCE at 5831 Bay Harbor Dr (REAR of RESIDENCE), 38.170806, -85.637493. START CHECKED out monitoring locations.

2015 START TOBIAS DEMOBILIZED from the site to the Cincinnati, OH office. START PRYS AND VON BUSCH DISCUSSED night operations.

2115 START VON BUSCH DEPARTED SITE. START PRYS monitored DATARAM monitoring locations/RESULTS VIA VIPER.

4/5/15 PP

0015 START PRYS DEPARTED SITE TO CHECK ON monitoring locations. All equipment APPEARED to be functioning properly.

Scale: 1 square = [signature]

4/5/15 SUNDAY

0015 (cont). Particulate levels were <15 µg/m³. There appeared to be very little smoke from site activities around the monitoring locations.

0150 START PRYS NOTICED DATARAM NDT-403 WAS NOT TRANSMITTING. DEPARTED SITE TO TROUBLESHOOT ISSUES. ULTIMATELY DETERMINED THE GATEWAY 31 BATTERY DIED DUE TO THE EXTERIOR OUTLETS AT THE RESIDENCE DID NOT WORK. All instruments were plugged into the nonfunctioning outlet via extension cord. DEPLOYED AN ERT generator to the site AND locked it up at the RESIDENCE. Plugged instruments into generator AND continued to collect data. Data collection resumed at approx. 0345 hrs.

0430 Conducted photodocumentation of site activities. Particulate levels at all monitoring stations <10 µg/m³.

0700 OSC Smith AND EPA ERT ARRIVED on-site. START PRYS updated them on site activities. OSC Smith tasked EPA ERT with retrieving the DATARAMS AND DISCUSSED

Scale: 1 square = [signature]

Rite in the Rain

Sunday 4/5/15

0700 (cont) conducting mobile air monitoring

0735 START Von Busch arrived on-site.
START Pays briefed him on-site activities.

0810 START Pays and Von Busch observed site activities and provided photo documentation.

0845 ERT returned with the data rams.
DSC Smith, EPA ERT, and START discussed particulate monitoring north of the facility in residential areas.

0945 EPA ERT departed site to conduct particulate monitoring at residences north of the facility.

1000 START Pays off-site.

1020 - EPA ERT STARTED MOBILE AIR MONITORING, NORTH OF GE PARK, IN WHAT WAS LEFT OF FIRE-SMOKE PLUME. AT THIS TIME, PLUME WAS DOWN TO MINIMAL SIZE, BARELY VISIBLE OFFSITE.

1033 - PEAK READING AT BEUCHEL BANK AND PROGRESS
- 2.4 ug/m³

1056 - PEAK READING AT 6440 COTTAGE MEADOW DR.
- 16 ug/m³

Scale: 1 square =

Sunday 4/5/15

1115 - PEAK READING AT 4336 NEWPORT RD
- 8.5 ug/m³

1133 - PEAK READING AT PARK
- 14.2 ug/m³

1245 - SHELTER IN PLACE ORDER REMOVED AND DEMOBILIZED FROM THE SITE.

4/5/15

Scale: 1 square =

Rite in the Rain