Attachment B: Brief Timeline of Initial Events

1/30/19 ~03:00 The refinery's supplier for hydrogen and steam shutdown due to a freeze up concern. The refinery subsequently had to shutdown several process units.

2/2/19 12:45 The refinery sounded the plant alarm due to a broken pipe in the Gas Concentration Unit. The pipe was leaking propane range material containing H2S and mercaptan.

2/2/19 13:07 MPC contacted Detroit LEPC to provide initial information of the event.

2/2/19 13:25 MPC notified the community through our page system available at www.detroitrefinery.com

2/2/19 ~15:00 MPC identified that the Coker Flare appeared to be compromised.

2/2/19 13:30-18:30 MPC's Air Monitoring Team conducted air monitoring in downwind communities every 15 minutes. Monitoring took place near the neighborhood surrounding Woodmere Cemetery and Sanders/Dumfries. All readings for LEL, VOC, H2S, Benzene were 0.

2/2/19 16:50 MPC received notification from Detroit LEPC and DTE of odor complaints in the communities around Woodmere Cemetery.

2/2/19 17:00 MPC secured the broken pipe.

2/2/19 17:02 Homeland Security received a message from Detroit LEPC that Detroit Fire indicated an incident occurred at Waterfront Petroleum Terminal 1071 Miller Road, Dearborn which may have additional odors

2/2/19 17:40-18:13 MPC took 3 grab summa canister samples

2/2/19 20:15 MPC took 1 additional summa canister sample

2/2/19 18:00 – 2/3/19 08:20 MPC was monitoring Area Raes placed downwind of the flare on refinery property. All readings for LEL, VOC, H2S were 0.

2/3/19 08:20 to present - MPC Air Monitoring conducted routine air monitoring of downwind communities on a routine basis based on the published Air Monitoring Plan. All readings for LEL, VOC, H2S, Benzene were 0.

2/3/19 13:00-14:20 OVM badges were placed in the community

2/3/19 22:45-22:59 OVM badges were picked up and a new badge placed out.

2/4/19 08:35-09:11 Second set of OVM badges were collected and a new badge placed out