Bill Kenney, Prime Engineering
Mike Persico, C.V.
Rober Rego, Prime Engineering

8:25 AM
overcast sky

MASSDEP MONITORING CHECKLIST FOR CLOSURE ACTIVITIES AT GENERAL CHEMICAL CORP.

Date of inspection 8/1/12 Inspector Al Nardone (Print name)

Arrival Time 7:43 AM Departure Time 4:10 PM

GCC's contact person for this date Craig Bezaro

Circle each work location(s)/process(es) observed and Check if any dust, odors or emissions are observed at the property fence-line.

	Visible Dust/Aerosols	Odors	Emissions (at Fence-line)
Building No. 1:			
Scarification of floors	____	____	____
Power washing of walls & berms	____	____	____
Building No. 2:			
Scarification of floors	____	____	____
Power washing of walls & berms	____	____	____
Tank Farm:			
Power washing & cleaning of tank interiors	____	____	____
Power washing secondary containment & floor	____	____	____
Dismantling & removal	____	____	____
Other power washing:			
Bulk tank truck loading/ unloading area	____	____	____
Container loading/unloading area	____	____	____

Building No.1-- PCB sampling/staging area/central storage bay:

PCB sampling conducted ? Yes____ No ✓

If Yes, was PCB sampling conducted according to Section IX, Attachment 6. of the Closure Plan ?

Yes ____ No _____

Notes: For any of the items circled above (except PCB sampling) :
1) provide below (and on additional sheet if necessary) written details of your observations and any photos taken;
2) identify whether there is/was a need for MassDEP to require GCC to change the observed activity;
3) summarize discussions with facility contact person on the required action;
4) describe any corrective action(s) instituted by the facility; and
5) discuss the effectiveness of required corrective action(s)

- Workers covering work area in tank farm with plastic sheets to enclose work area & during power washing of tank farm floor (walls)
- Asked Prime to document reasons for any spikes from air monitoring equipment, > 10ppbV.
- Tanks insides inspected, PE says 2 tanks to be cleaned again.
- Air monitoring set up when power washing commenced ≈ 11:45AM
- Visit by Lt Barbary (FD) 12 noon (F. Dept)
- Carol & Bob Bois at School yard ≈ 1:25PM while checking school. Updated on work in progress and short term work to be done.

Provide a summary of any changes in GCC's work plan or schedule (i.e., change in work hours for the day or next day; or in type of activity).

List all photos taken including short description/title for each (add additional lines/sheets as necessary).

IN black cases IN Lab

Photo 1	Dust track II (3)	5) SUMMA CAN REAR	13) Bob Reid photo taking reading
Photo 2	PPbRAE 3000	6) AMS 2	
Photo 3	back & white plastic wrap	7) AMS 1	14 and 15 2 photos school play area behind GCC
Photo 4	over ~~than~~ tanks	8) AMS 3	
	9) SUMMA CAN Front	10) up close SUMMA CAN	
	11) ~~VAC TRUCK W carbon canisters for truck~~ DELETED	12 plastic wrap over tanks at start of PWR WASHING	

Bill Kenney
Prin Engineer

Air Monitoring/all inspectors

1. Check to ensure that required air monitoring devices are in place (Y/N): one Weather station: ✓ (See Diagram)

Down-wind Fence-line PID: ✓ Mobile PID: ✓ Three dust meters: ✓

For Air Monitoring Staff inspectors:

1. ~~Check readings on General Chemical and MassDEP PIDs on hourly basis and record below~~
2. Were any readings on General Chemical PIDs above 10 ppbv/v? Y (Y/N) 64 ppbV *
3. ~~Were any readings on MassDEP PID above 0.1 ppmv/v?~~ ___ (Y/N) N/A
4. On dates where SUMMA canisters are in place (expected to be 3 days only):
   a. Check that one canister is upwind, and one canister is downwind: Y (Y/N)
   b. Check pressure in each canister on an hourly basis to monitor pressure drop and record below

1 * Prior calibration not clear from instrument prior to use. 12:13PM ≈ <15 secs at South West Monitor by railroad tracks.

~~GCC Down-wind Fence-line PID~~ ~~Time~~ ~~Measurement~~

2 * Train @ 1:26PM 26 ppbV ≈ 3-4 seconds

3 * 2PM 120 ppbV — workers came out from sheeting at tank farm ≈ <15 sec

these readings are peaks not averages

4 * walk around - location in front on Bldg # 2 entrance way ≈ 203 sustained short period Rdg ≈ 320 PM. (*)
Modify approach - exhaust fan? (work stopped)
then take readings again?

~~GCC Mobile PID~~ ~~Time~~ ~~Measurement~~

(*) 2nd new power washer source of high readings -
2nd pwr washer turned off - reading back to zero
2nd pwr washer will no longer be used.

MassDEP PID	Time	Measurement

Inspector trained in use of PID not present

Downwind SUMMA Canister	Time	Pressure Measurement

At installation at ≈ 11:45 AM observed -29" vacuum

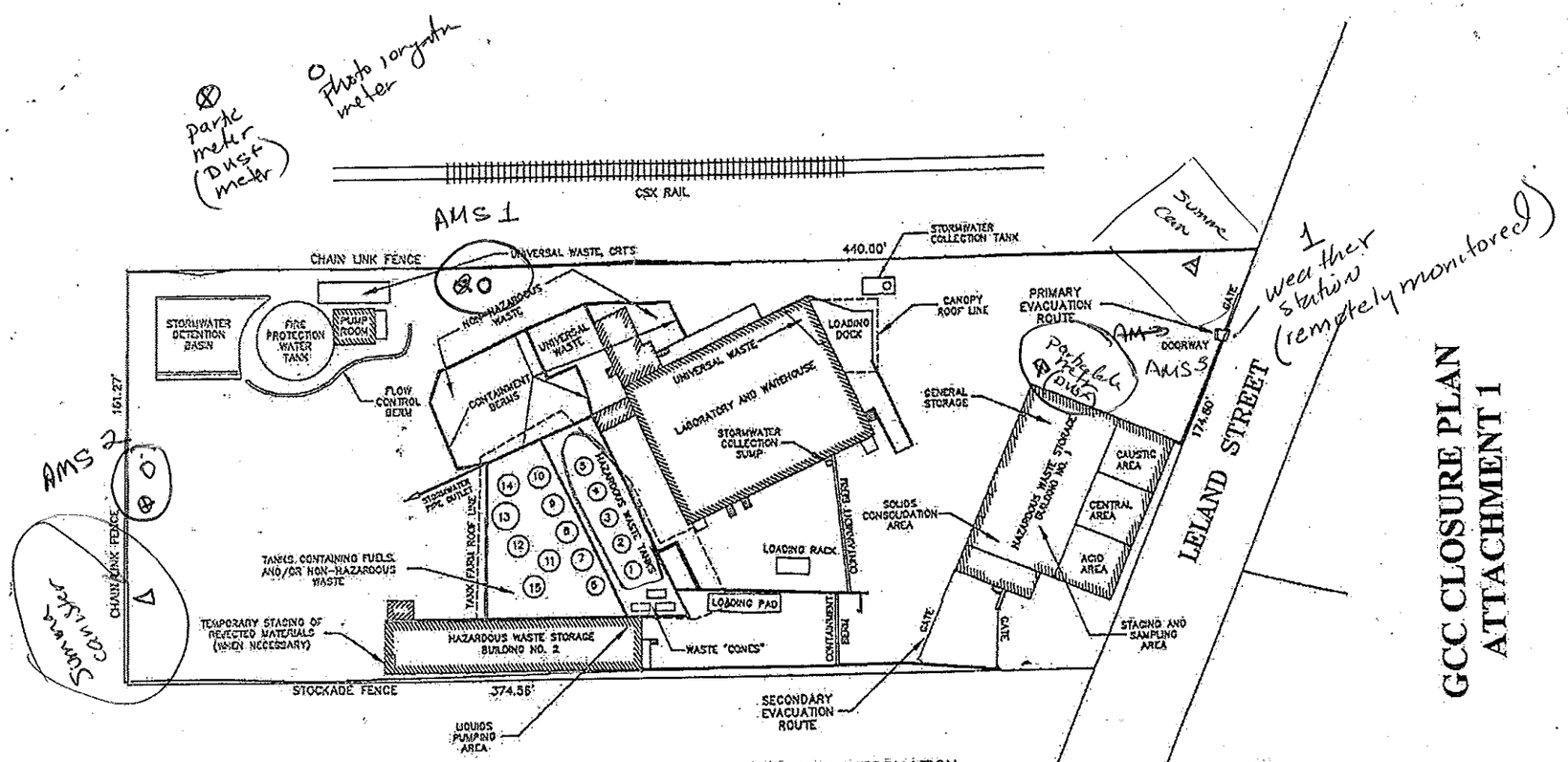
At ≈ 330 PM, observed ≈ 18" vacuum

Downwind SUMMA Canister	Time	Pressure measurement

At installation at ≈ 1145 AM, observed -29" vacuum
At ≈ 330 PM, observed ≈ 18" vacuum

Inspector signature: Al Mardone Date 8/2/12

Location of air monitoring stations



BUILDINGS #1 & 2 HAVE FOAM FIRE SUPPRESSION SYSTEM

WAREHOUSE HAS WATER SPRINKLER SYSTEM

BUILDING INFORMATION (APPROXIMATE)

WAREHOUSE –
AGE – 80
SIZE – 60 x 80
WASTE BUILDING #1 –
AGE – 80
SIZE – 58 x 65
WASTE BUILDING #2 –
AGE – 40
SIZE – 20 x 98

NOTE:
BASED UPON PLANS BY GLM ENGINEERING CONSULTANTS DATED SEPTEMBER 3, 1998 AND CDW CONSULTANTS, INC. DATED APRIL 27, 2000.

REVISIONS BASED UPON INFORMATION BY GENERAL CHEMICAL CORPORATION

NO	DATE	REVISIONS
1	11/22/01	UPDATE
2	11/19/03	UPDATE
3	01/06/09	UPDATE
4	03/08/09	LICENSE MOD
5	01/10/11	UG. REMOVAL

DATE : 11/22/01
DRAWN : MS

GENERAL CHEMICAL CORPORATION

PLANT LAYOUT

133 LELAND STREET
FRAMINGHAM, MASSACHUSETTS

GCC CLOSURE PLAN ATTACHMENT 1

F.S. ENGINEERS

SITE PLAN

L-01