245pm - Cottonwood 3/16/16

Bill Raynor operations manager

open 2000
Denny site engineer - based out of
Milam

size - 225 acres footprint photo
every year

How much waste - Denny knows

Denny on vacation

phase 5 Southwest
Started phase 1 - 2000

phase 1 corner & sides are
3 feet clay closed - since about
3 feet protective 5-6 years
cover (air) current cover - Convax
blankets & daily cover
of dirt

blankets on
active phase
phase 5

sides Phase 1, 2, 3 side
are closed slopes

soils are covered but not up to grade

Phase 5 - not up to grade
started in December

liner - 5 foot of clay - not synthetic

put it in there

open flare → there's a blower
~~pld~~ put in after 2000

gas wells - when put

~~the~~ 1-4 are hooked in
not 5

mech det scan
Mike McLevain
technician WM
in house -
Mlam + Cottonwood

wellhead monitoring
surface monitoring

530 to 3 pm hours
trucks come in

H_2S weaver Boo
goes around & measures

~~take~~ hand held
methane
Milam has m/g
send to Kendell Couch
~~[illegible]~~ Rich
Kanawski

Monday - Cory

Denny - slopes

pattern - doesn't know
~~doesn~~ he exceedances
quite sometime
because he would
permeter covered
permeter - ~~doesn't know~~
by Weaver Boo
1 quater

one flare -
on a card has downtime
lid shut so gas not
valve shuts down gay out
bypass?

Routine (monthly wellhead)
Denny knows ~~what~~ which
problem

< 35 wells
don't know where
added

don't know why added

doesn't know type of
flare
or how much gas

probes is portable
on pentmeter

photo GP-01
to right of flare

phase 5 - photo
no vol ; no wells
no surface
monitoring
no control

phase 5 - SW - December

phase 5 NE -

Ernest phone -
(314) 568-
2025
Work - Denny

Deadline to left & to WWTP

leave 4:20 pm

SW wind to Manassa
if there is an
the odor is sulfur smell
that's why they do X tra
monitoring
FEPA
local office has it
Check odors daily

MSW - demo/same con. waste
some special waste

Mlam - bigger
Started New one Mlam
last year

since 2 years ago
new cell in Phase 5
2054 life of landfill
1500 ton/day
5 foot clay
3 in.

all cells connect to existing cells

interim cover dirt

rock filter fabric

final - 5 foot clay
3"

Amt of leachate Denny

3/17 - 807 am
Calibration outside offsite
Calibration
0, 500
<500 150,000
0 pt 1

2000 ppm
568,000
pt 2

pt 3 - 10,000 gas
L 2720000

0 - -1 - RT -
500 - 504 - 3 sec RT

	1st check	2nd check	3rd
	-1 (2 sec)	-1 (2 sec)	-0.8 3 sec
	503 (3 sec)	503 (3 sec)	500 (3 sec)
10,000	1.96 (3 sec)	1.04 (5 sec)	0.99 (3 sec)
2,000	2001 (5 sec)	1,999 (5 sec)	1,995 (4 sec)

Downwind
-1

80R > phase 2
14R
77 - phase 3

Wright
Tom ~~Renight~~
- mechanic took us to flare

flare - small brown flume
~~on flare~~ at end of
flare

don't see in photo

flare 1034.1 scfm
104.3 F - gas

+1 W.C

Flare - 1403 F
1028 scfm

58.9 WC
in lit p

returned to office
waited for Bill

West wind 7 miles per hour

9:40am

Chane Meter

Well 77
nothing

Mike McElvain

perimeter & top - not slopes

Stays on path

attach TVA to wheel
say closer to
2.n

NW - South & head Back

Crest of slope & then entire perimeter

phase 1 - on top
well - 77 - nothing
1050 ppm

phase 2
2 pictures cracked area
by well 77

phase 3 next 14 well - 400 ppm
west of
14
6-7 feet

4539 - 1 picture

6200 ppm - 2 pictures
highest

38°15'23"N
89° 46'45"W
510 Elevation

Well 80R

627ppm to 1295ppm
erosion

2000 ppm
2243
3864

photo overview phase 1-3

phase 5 standing
phase 3

post verification

14 - photo
dip
adsorbed

10,000 1.03%
2000 - 1,968
500 - 490
air - [illegible] - 2.5

- 2.2 upward