

OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK-APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 2M

Note: Need 3/4" hose w/ Camlock to purge - Can't use our regular 1" hose - Someone changed fitting to 3/4"

WEATHER NOTES: Sunny 80°F

DATE: 8-27-02 WELL DEPTH: _____ WATER DEPTH: Vault FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

DATE	<u>8-27-02</u>	DATE	<u>8-28-02</u>	DATE	_____
START	<u>14:00</u> Time	START	<u>14:52</u> Time	START	_____ Time
STOP	<u>14:20</u> Time	STOP	<u>15:12</u> Time	STOP	_____ Time
PURGE	<u>300</u> Gallons	PURGE	<u>300</u> Gallons	PURGE	_____ Gallons
NAPL	<u>NO</u>	NAPL	<u>NO</u>	NAPL	_____
			<u>8/29/02 Decanted</u>		
			<u>No Napl</u>		

Pump off overnight

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: Located HP Blvd. in old Ferro lot next to D30 well in caged area

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____
 CA/QC Y/N MS? MSD? FIELD BLANKS? _____
 D&C SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____
 PURGING CREW _____
 SAMPLING CREW _____

OCCIDENTAL CHEMICAL CORPORATION
 MILLER SPRINGS REMEDIATION MANAGEMENT
 HYDE PARK-APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 5UR

WEATHER NOTES: Sunny 82°F

DATE: 8-27-02 WELL DEPTH: _____ WATER DEPTH: Vault FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

DATE 8-27-02
 START 13:10 Time
 STOP 13:50 Time
 PURGE 150 Gallons
 NAPL no
quit @ 150 gal.

pump off overnight

DATE 8-28-02
 START 14:32 Time
 STOP 14:41 Time
 PURGE 100 Gallons
 NAPL no
quit at 100 GALS
Decanted 8/29/02
no Napl

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

REMARKS/OBSERVATIONS: Located in Ferris property next to Truck Loading + Maint Building

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW DC/LK

SAMPLING CREW PC/LK

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 HYDE PARK APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 6UR

WEATHER NOTES: Sun + Clouds 80°F

DATE: 8-23-02 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

		<u>2ND DAY.</u>			
DATE	<u>8-23-02</u>	DATE	<u>8-26-02</u>	DATE	_____
START	<u>10:38</u> Time	START	<u>9:45</u> Time	START	_____ Time
STOP	<u>11:00</u> Time	STOP	<u>9:10</u> Time	STOP	_____ Time
PURGE	<u>300</u> Gallons	PURGE	<u>300</u> Gallons	PURGE	_____ Gallons
NAPL	<u>No.</u>	NAPL	<u>No.</u>	NAPL	_____

Pump is off for next purge

No Napl. pump was off 24 hrs + between purges

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: Located in back grass area Ferro property below H3L + H10 wells near junkyard fence + Niagara Mohawk roadway. Shut off several days before to get enough H₂O

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW LK/JS

SAMPLING CREW LK/JS

OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK-APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 6MR

WEATHER NOTES: Sun + Clouds

DATE: 8-23-02 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

<u>1st Day</u>		<u>2nd Day</u>		
DATE	<u>8/23/02</u>	DATE	<u>8-26-02</u>	DATE
START	<u>11:05</u> Time	START	<u>9:15</u> Time	START
STOP	<u>11:35</u> Time	STOP	<u>9:45</u> Time	STOP
PURGE	<u>300</u> Gallons	PURGE	<u>300</u> Gallons	PURGE
NAPL	<u>No/pump off for next purge</u>	NAPL	<u>No/pump was off between days for purging</u>	NAPL

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: Located in back grass area Ferro property below H10 + H11 wells near Jimmy's fence + Niagara Mohawk roadway. Shutdown several days before to get enough H₂O

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW LK/JS

SAMPLING CREW LK/JS

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 MILLER SPRINGS REMEDIATION MANAGEMENT
 HYDE PARK APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 1L

WEATHER NOTES: Sunny 78°F

DATE: 8-19-02 WELL DEPTH: _____ WATER DEPTH: Vault FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

8/19/02 1st Day

2nd Day
8/20/02

DATE 8-19-02
 START 8:40 Time
 STOP 9:00 Time
 PURGE 300 Gallons
 NAPL NO NAPL

DATE 8-20-02
 START 10:45 Time
 STOP 11:15 Time
 PURGE 300 Gallons
 NAPL NO NAPL

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

Pump off between
1st + Second Day
No Napl.

Let Sit 24 hrs to Decant
Pump off 24 hrs.

LATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

REMARKS/OBSERVATIONS: In HP front lot - Shut off pump few days
to get enough water.

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW UC/JS

SAMPLING CREW UC/JS

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 HYDE PARK-APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # IU

WEATHER NOTES: Sunny 78°F

DATE: 8-19-02 WELL DEPTH: _____ WATER DEPTH: Vault FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

<u>1st Day.</u>		<u>2nd Day</u>		
DATE	<u>8-19-02</u>	DATE	<u>8-19-02</u>	DATE
START	<u>9:05</u> Time	START	_____ Time	START
STOP	<u>9:30</u> Time	STOP	_____ Time	STOP
PURGE	<u>300</u> Gallons	PURGE	_____ Gallons	PURGE
NAPL	<u>YES</u>	NAPL	_____	NAPL

Approx. 200 ml.

Decanted into
2 - 5 gal. containers
let set overnight
to quantify Napl
found approx 200 ml. Napl

Let Set 24 hrs. To Decant

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: * Shutdown before 10:2 days to build level
In HP front lat.

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____
 QA/QC Y/N MS? MSD? FIELD BLANKS? _____
 DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____
 PURGING CREW LK
 SAMPLING CREW LK

OCCIDENTAL CHEMICAL CORPORATION
 MILLER SPRINGS REMEDIATION MANAGEMENT
 HYDE PARK APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 2UR

WEATHER NOTES: Sunny 80°F

DATE: 8-20-02 WELL DEPTH: _____ WATER DEPTH: Vault FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

<u>1st Day</u>		<u>Decontated</u>		
DATE	<u>8-20-02</u>	DATE	<u>8-21-02</u>	DATE
START	<u>11:20</u> Time	START	<u>8:10</u> Time	START
STOP	<u>12:00</u> Time	STOP	_____ Time	STOP
PURGE	<u>250</u> Gallons	PURGE	_____ Gallons	PURGE
NAPL	<u>YES</u>	NAPL	<u>YES</u>	NAPL

Pump quit @ 250 gal

Pump off let set overnight - Decontated - $\frac{1.3}{gal}$ Napl.

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: * Shut pump day before pumping to get enough H₂O for purge. Located south of HP wash building just before Ferris/HP gate -

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

CA/QC Y/N MS? MSD? FIELD BLANKS? _____

SEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW LK/JS

SAMPLING CREW LK/JS

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MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 4M

WEATHER NOTES: Sunny 84°F

DATE: 8-21-02 WELL DEPTH: _____ WATER DEPTH: Vault FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

DATE	<u>8-21-02</u>	DATE	<u>8-22-02</u>	DATE	_____
START	<u>11:00</u> Time	START	<u>Decanted</u>	START	_____ Time
STOP	<u>11:20</u> Time	STOP	<u>approx</u> Time	STOP	_____ Time
PURGE	<u>275</u> Gallons	PURGE	<u>40ml</u> Gallons	PURGE	_____ Gallons
NAPL	<u>Heavy Sheen</u>	NAPL	<u>NapL</u>	NAPL	_____
			<u>between tank</u>		
			<u>+ bucket</u>		

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: Located in Ferro ^{property} adjacent to land fill
Shut off 40-4M-6MR-6VR day or 2 before to get purge H₂O

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW LK/JS

SAMPLING CREW LK/JS

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MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 4U

WEATHER NOTES: Sunny Hot 82°F

DATE: 8.21-02 WELL DEPTH: _____ WATER DEPTH: Vault FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

DATE 8-21-02
 START 11:22 Time
 STOP 12:40 Time
 PURGE 155 Gallons
 NAPL YES
HEAVY selen

Decanted
 DATE 8/22/02
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL 250ml.
Napl. 200 ml.
in tank 50 ml.
bucket
Total 250ml.

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

REMARKS/OBSERVATIONS: Located in Ferro property adjacent to landfill
Shut off 4U-4m-6MR-6UR day of 2 before to get purge H₂O

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW LK/JS

SAMPLING CREW LK/JS

Slow to fill even after shut off for day or 2

OCCIDENTAL CHEMICAL CORPORATION
 MILLER SPRINGS REMEDIATION MANAGEMENT
 HYDE PARK-APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 3L

WEATHER NOTES: Overcast misty Rain 78°F

DATE: 8-22-02 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

DATE	<u>8-22-02</u>	DATE	<u>8-26-02</u>	DATE	_____
START	<u>12:44</u> Time	START	_____ Time	START	_____ Time
STOP	<u>12:50</u> Time	STOP	_____ Time	STOP	_____ Time
PURGE	<u>200</u> Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	<u>pumpdown. yes. off overnight</u>	NAPL	<u>YES - 100ml IN TANK + 50 ML IN bucket DECAWT = TOTAL 150ML APPROX</u>	NAPL	_____

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: Located in Ferro lot adjacent to HP
landfill Fence.

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW LK/JS/DC

SAMPLING CREW LK/JS/DC

OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK-APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 3M

WEATHER NOTES: Overcast misty rain 80°F

DATE: 8-22-02 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

			<i>Decanted Buckets</i>		
DATE	<u>8-22-02</u>		DATE	<u>8-26-02</u>	
START	<u>12:55</u> Time		START	_____ Time	
STOP	<u>13:05</u> Time		STOP	_____ Time	
PURGE	<u>100</u> Gallons		PURGE	_____ Gallons	
NAPL	<u>Yes</u>		NAPL	<u>YES 150ml</u>	
	<u>Stopped pump down overnight</u>			<u>IN TANK</u>	
				<u>100ml IN Bucket DECANT</u>	
				<u>TOTAL 250ml</u>	
				<u>NAPL APPROX</u>	
DATE	_____		DATE	_____	
START	_____ Time		START	_____ Time	
STOP	_____ Time		STOP	_____ Time	
PURGE	_____ Gallons		PURGE	_____ Gallons	
NAPL	_____		NAPL	_____	

REMARKS/OBSERVATIONS: Located in Ferro lot adjacent to HP landfill fence.

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW LK / JS / DC

SAMPLING CREW LK / JS / DC

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MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # SC2

WEATHER NOTES: Sunny 78°F

DATE: 8-19-02 WELL DEPTH: _____ WATER DEPTH: SC Pump FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

<u>1st Day</u>		<u>2nd Day</u>		<u>3rd Day</u>	
DATE	<u>8-19-02</u>	DATE	<u>8-20-02</u>	DATE	<u>8-21-02</u>
START	<u>10:30</u> Time	START	<u>9:45</u> Time	START	<u>9:48</u> Time
STOP	<u>10:40</u> Time	STOP	<u>9:50</u> Time	STOP	<u>10:00</u> Time
PURGE	<u>5</u> Gallons	PURGE	<u>2.5</u> Gallons	PURGE	<u>5.0</u> Gallons
NAPL	<u>Yes - 4 GAL</u> <u>1 gal H2O</u> <u>4 gal NAPL</u>	NAPL	<u>2 gal</u> <u>.5 H2O</u>	NAPL	<u>2.0 gal.</u> <u>3.0 H2O</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*Total (3) Days
8 gal napl*

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

REMARKS/OBSERVATIONS: HP landfill

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____
 QA/QC Y/N MS? MSD? FIELD BLANKS? _____
 DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____
 PURGING CREW LK/JS
 SAMPLING CREW LK/JS

OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # SC3

WEATHER NOTES: Sunny 78°F

DATE: 8-19-02 WELL DEPTH: _____ WATER DEPTH: Pump SC FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

<u>1st Day</u>		<u>2nd Day</u>		<u>3rd Day</u>	
DATE	<u>8-19-02</u>	DATE	<u>8-20-02</u>	DATE	<u>8-21-02</u>
START	<u>11:15</u> Time	START	<u>9:25</u> Time	START	<u>9:35</u> Time
STOP	<u>11:20</u> Time	STOP	<u>9:30</u> Time	STOP	<u>9:38</u> Time
PURGE	<u>20</u> Gallons	PURGE	<u>5</u> Gallons	PURGE	<u>2.0</u> Gallons
NAPL	<u>15gal</u> <u>5 H₂O</u>	NAPL	<u>2gal</u> <u>3 H₂O</u>	NAPL	<u>1.5</u> <u>.5 H₂O</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*Total
18.5gal Napl
over 3 Days.*

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

REMARKS/OBSERVATIONS: HP landfill

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW LK JJS

SAMPLING CREW LK JJS

OCCIDENTAL CHEMICAL CORPORATION
 MILLER SPRINGS REMEDIATION MANAGEMENT
 HYDE PARK APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # SC4

WEATHER NOTES: Sunny 78°F

DATE: 8-19-02 WELL DEPTH: _____ WATER DEPTH: SC4 Pump

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

	<u>2nd Day</u>	<u>3rd Day</u>
DATE <u>8-19-02</u>	DATE <u>8-20-02</u>	DATE <u>8-21-02</u>
START <u>10:45</u> Time	START <u>9:30</u> Time	START <u>9:43</u> Time
STOP <u>11:00</u> Time	STOP <u>9:40</u> Time	STOP <u>9:46</u> Time
PURGE <u>21 Gal</u> Gallons	PURGE <u>6 gal</u> Gallons	PURGE <u>2.00</u> Gallons
NAPL <u>yes. 16 gal Napl</u>	NAPL <u>2 gal</u>	NAPL <u>1 lt Napl Removed</u>
<u>5 gal H2O</u>	<u>4 H2O</u>	
_____	_____	_____
_____	_____	_____
_____	_____	_____

Total
18.2 gal
Napl over
3 days.

DATE _____	DATE _____	DATE _____
START _____ Time	START _____ Time	START _____ Time
STOP _____ Time	STOP _____ Time	STOP _____ Time
PURGE _____ Gallons	PURGE _____ Gallons	PURGE _____ Gallons
NAPL _____	NAPL _____	NAPL _____
_____	_____	_____
_____	_____	_____
_____	_____	_____

REMARKS/OBSERVATIONS: HP landfill

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

REC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW UK / JS

SAMPLING CREW UK / JS

**OCCIDENTAL CHEMICAL CORPORATION
 MILLER SPRINGS REMEDIATION MANAGEMENT
 HYDE PARK APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD**

STATION # SC5

WEATHER NOTES: _____

DATE: _____ WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

DATE	<u>8-19-02</u>	DATE	<u>8-20-02</u>	DATE	<u>8-21-02</u>
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	<u>Below</u> Time	STOP	<u>Below</u> Time
PURGE	_____ Gallons	PURGE	<u>Below</u> Gallons	PURGE	<u>Below</u> Gallons
NAPL	<u>Below</u>	NAPL	<u>set point</u>	NAPL	<u>set point</u>
	<u>set point</u>		<u>no pumping</u>		<u>no pump</u>
	<u>no pumping</u>				

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____
	_____		_____		_____
	_____		_____		_____
	_____		_____		_____

REMARKS/OBSERVATIONS: HP landfill

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW _____

SAMPLING CREW _____

**OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK-APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD**

STATION # SC6

WEATHER NOTES: _____

DATE: _____ WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

DATE	<u>8-19-02</u>	DATE	<u>8-20-02</u>	DATE	<u>8-20-02</u>
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	<u>Below</u> Gallons	PURGE	<u>Below</u> Gallons	PURGE	<u>Below</u> Gallons
NAPL	<u>set point</u>	NAPL	<u>set point</u>	NAPL	<u>set point</u>
	<u>No pumping</u>		<u>No pumping</u>		<u>No pumping</u>

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____
	_____		_____		_____
	_____		_____		_____
	_____		_____		_____

REMARKS/OBSERVATIONS: HP Landfill

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW _____

SAMPLING CREW _____

**OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD**

*Pump OK
6-6 PM*

STATION # PW10U

WEATHER NOTES: Cold 28°F

DATE: 12-30-02 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

2nd Day

1st Day

DATE	<u>12-30-02</u>	DATE	<u>12-31-02</u>	DATE	_____
START	<u>9:45</u> Time	START	<u>Decent</u> Time	START	_____ Time
STOP	<u>10:15</u> Time	STOP	_____ Time	STOP	_____ Time
PURGE	<u>300</u> Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	<u>yes.</u>	NAPL	<u>Decanted</u>	NAPL	_____
	<i>66PM 20 PSI</i>		<i>6 gal Pm. 20 PSI</i>		<i>approx 40ml Napl.</i>

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: Located on Power Rd. between landfill +
Grief Brothers at old R/R stop (Red) tracks. Pump - OK 6-6 PM

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW JS/MB/LK

SAMPLING CREW ~~JS~~

OCCIDENTAL CHEMICAL CORPORATION
 MILLER SPRINGS REMEDIATION MANAGEMENT
 HYDE PARK APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

*Shutdown ahead of
 time to build water.*

STATION # PW9U

WEATHER NOTES: Cold 28°F

DATE: 12-30-02 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

1st Day
 DATE 12-30-02
 START 10:30 Time
 STOP 10:45 Time
 PURGE 1.25 Gallons
 NAPL Yes.

*4 gal per min.
 Stopped
 low level
 did not
 re-fill*

2nd Day
12-31-02
 DATE 12-31-02
 START Decant Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL Decanted

*approx 125ml.
 Napl.*

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

DATE _____
 START _____ Time
 STOP _____ Time
 PURGE _____ Gallons
 NAPL _____

REMARKS/OBSERVATIONS: LOCATED IN GRIEF BROTHERS ~~ADJACENT~~ ADJACENT TO
LOADING BUILD. Shutdown ahead of time to build H₂O

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____
 QA/QC Y/N MS? MSD? FIELD BLANKS? _____
 DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____
 PURGING CREW JS/TB/LK
 SAMPLING CREW _____

**OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD**

*Shutdown day at
so to build water*

STATION # PW7U

WEATHER NOTES: Cold 30°F

DATE: 12-31-02 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA
187708

*2nd Day
pump off from 12-31-02*

DATE 12-31-02
START 10:00 Time
STOP 10:30 Time
PURGE 125 Gallons
NAPL No Napl

DATE 1-2-02
START 9:00 Time
STOP 9:45 Time
PURGE 150 Gallons
NAPL No Napl

DATE _____
START _____ Time
STOP _____ Time
PURGE _____ Gallons
NAPL _____

*Stopped @ 12.5 2 gal per
low level. min.
10 PSI*

*2 gal per min.
10 PSI*

*Pump was off to build level
12-30-02*

DATE _____
START _____ Time
STOP _____ Time
PURGE _____ Gallons
NAPL _____

DATE _____
START _____ Time
STOP _____ Time
PURGE _____ Gallons
NAPL _____

DATE _____
START _____ Time
STOP _____ Time
PURGE _____ Gallons
NAPL _____

REMARKS/OBSERVATIONS: Located Power Rd next to Apartments off HP Blvd.
* Shutdown day to build up H₂O

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS

PURGING CREW JS / TB / LK

SAMPLING CREW JS / TB / LK

OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

*Shut-off days as
ahead to build water*

STATION # PW8U

WEATHER NOTES: Rain/Cloudy 45°F

DATE: 11-25-2002 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

<i>1st Day</i>		<i>2nd Day</i>			
DATE	<u>11-25-2002</u>	DATE	<u>11-26-2002</u>	DATE	_____
START	<u>9:10</u> Time	START	<u>8:20</u> Time	START	_____ Time
STOP	<u>10:00</u> Time	STOP	<u>9:25</u> Time	STOP	_____ Time
PURGE	<u>100</u> Gallons	PURGE	<u>100</u> Gallons	PURGE	_____ Gallons
NAPL	<u>NO</u>	NAPL	<u>NO</u>	NAPL	_____
			<u>PUMPS</u>		
			<u>Slow</u>		

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: Pumps Near about 20 gallons per minute
located near n/a tracks along side of the fence

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW TB/JS

SAMPLING CREW _____

OCCIDENTAL CHEMICAL CORPORATION
MILLER SPRINGS REMEDIATION MANAGEMENT
HYDE PARK APL/NAPL RATIO
GROUNDWATER FIELD SAMPLE/PURGE RECORD

*Shut off day at
 10:00 to level
 water.*

STATION # PW8M

WEATHER NOTES: Cloudy / Lt. Rain 45°E

DATE: 11-25-2002 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

<i>1st Day</i>		<i>2nd Day</i>		
DATE	<u>11-25-2002</u>	DATE	<u>11-26-2002</u>	DATE
START	<u>10:10</u> Time	START	<u>9:30</u> Time	START
STOP	<u>11:30</u> Time	STOP	<u>10:40</u> Time	STOP
PURGE	<u>100</u> Gallons	PURGE	<u>75</u> Gallons	PURGE
NAPL	<u>NO</u>	NAPL	<u>NO</u>	NAPL
	<u>pumps</u>		<u>pumps</u>	
	<u>slow</u>		<u>slow</u>	

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____

REMARKS/OBSERVATIONS: Located by Hyde Park storage tanks
pumps real slow about 1.5 gallons per minute / level lower 74.30 feet

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW JS/TB

SAMPLING CREW _____

OCCIDENTAL CHEMICAL CORPORATION
 MILLER SPRINGS REMEDIATION MANAGEMENT
 HYDE PARK-APL/NAPL RATIO
 GROUNDWATER FIELD SAMPLE/PURGE RECORD

STATION # 2L

WEATHER NOTES: Cold 30°F

DATE: 12-31-02 WELL DEPTH: _____ WATER DEPTH: _____ FT.

WELL VOLUME: _____ GAL. TOTAL VOLUME PURGED _____ GAL.

ZONE MONITORED: _____ WELL DIAMETER: _____ "

SAMPLE PURGE DATA:

DATE	<u>Not enough</u>	DATE	_____	DATE	_____
START	<u>Water</u> Time	START	_____ Time	START	_____ Time
STOP	<u>to</u> Time	STOP	_____ Time	STOP	_____ Time
PURGE	<u>collected</u> Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	<u>for APL/Napl</u>	NAPL	_____	NAPL	_____
	<u>Ratio</u>		_____		_____
	_____		_____		_____
	_____		_____		_____

DATE	_____	DATE	_____	DATE	_____
START	_____ Time	START	_____ Time	START	_____ Time
STOP	_____ Time	STOP	_____ Time	STOP	_____ Time
PURGE	_____ Gallons	PURGE	_____ Gallons	PURGE	_____ Gallons
NAPL	_____	NAPL	_____	NAPL	_____
	_____		_____		_____
	_____		_____		_____
	_____		_____		_____

REMARKS/OBSERVATIONS: Located at lower end of landfill next to Ferro fence.

SAMPLER NUMBER _____ TIME SAMPLED _____ DATE _____

QA/QC Y/N MS? MSD? FIELD BLANKS? _____

DEC SPLIT Y/N VOCs TOC TOTAL PHENOLICS _____

PURGING CREW _____

SAMPLING CREW _____