General 1/28/2002

PROJECT TRACKING SHEET

PART A INFORMATION PRIOR TO SENDING SAMPLES

Project ID# 01.28.02-167 (HWB Red Dot)
Project Description (BRIEF) HWB Perchlorate Spring 4 Series

Project Manager/Data Owner John Young

Sampling Event Collection Start Date 01/28/02
Date sample(s) sent out for Analysis (should agree with COCs) 01/29/02
Estimated date of receipt of data from Laboratory(s) 02/28/02
Date this TRACKING package submitted to file 01/31/02

SAMPLE EVENT FORM FILED/Included for this Project Yes__ No__ ___?
LANL/DOE was afforded chance to split with NMED DOE OB Yes X No__
Field instruments calibrated and entered in Field Note Book Yes__ No__ ___?
Proper sample collection techniques used Yes X No__
Proper container(s) used Yes X No__
Proper preservation(s) used Yes X No__
Sample(s) cooled to 4 °C following collection Yes X No__
If sample(s) not cooled following collection, list sample IDs, date of collection and time collected on additional Comment Sheet.
Copy of Field Notebook pages Included Yes__ No__ ___?
Copy of Chain-of-Custody (COC) Included Yes X No__
Copy of Supplemental COC and/or Analyses List Included Yes__ No X
Sample(s) from this event are (please check) Split X Independent__ QA/QC__
(please list all sample IDs and dates of collection in **TABLE A** below)
Contract Laboratory utilized, please check lab(s) Paragon__ Pinnacle X Other:_____

If PART A is incomplete, please specify clearly on additional Comment Sheet.

TABLE A Please List Sample IDs, collection date(s), below

ID	DATE	ID	DATE
Spring 4	1-28-02		
Spring 4C	1-29-02		
Spring 4E	1-28-02		
Spring 4B	1-28-02		
Spring 4A	1-28-02		
Spring 4AA	1-28-02		

13598

Samples: E1-AB 1.0 ppb spike ClO4 to American Spring
E5-HWB 0.5 ppb spike ClO4 to Spring 4C
E1-HWB 1 ppb spike ClO4 to Spring 4C
E5-AB 0.5 ppb " " American Spr
} Pinnacle will do the spiking

PART B INFORMATION FOLLOWING RECEIPT OF DATA

If multiple laboratories were used for this project, please fill out QA/QC information below for each laboratory (up to 3 Contract Laboratory's, use additional PART B sheets as necessary).

Please Note: If Contract Laboratory(s) Internal QA/QC Certification was not met, please list samples and specify what criteria was not met on additional Comment Sheet.

Please Check Laboratory: Paragon___ Pinnacle___ Other_____

Date sample(s) sent to Laboratory (from Part A, should agree with COC)	_____
Date cooler with sample(s) received at Laboratory	_____
Samples received by Laboratory at 4 +/- 2 °C	Yes__ No__
Samples arrived at Laboratory intact	Yes__ No__
Samples received and analyzed within holding time(s)	Yes__ No__
Proper sample preservation/procedures at Laboratory used	Yes__ No__
Chain-of-Custody correct and returned with sample results	Yes__ No__
All Contract Laboratory Internal QA/QC Certification was met	Yes__ No__
Project Narrative/Summary included	Yes__ No__

Please Check Laboratory: Paragon___ Pinnacle___ Other_____

Date sample(s) sent to Laboratory (from Part A, should agree with COC)	_____
Date cooler with sample(s) received at Laboratory	_____
Samples received by Laboratory at 4 +/- 2 °C	Yes__ No__
Samples arrived at Laboratory intact	Yes__ No__
Samples received and analyzed within holding time(s)	Yes__ No__
Proper sample preservation/procedures at Laboratory used	Yes__ No__
Chain-of-Custody correct and returned with sample results	Yes__ No__
All Contract Laboratory Internal QA/QC Certification was met	Yes__ No__
Project Narrative/Summary included	Yes__ No__

Please Check Laboratory: Paragon___ Pinnacle___ Other_____

Date sample(s) sent to Laboratory (from Part A, should agree with COC)	_____
Date cooler with sample(s) received at Laboratory	_____
Samples received by Laboratory at 4 +/- 2 °C	Yes__ No__
Samples arrived at Laboratory intact	Yes__ No__
Samples received and analyzed within holding time(s)	Yes__ No__
Proper sample preservation/procedures at Laboratory used	Yes__ No__
Chain-of-Custody correct and returned with sample results	Yes__ No__
All Contract Laboratory Internal QA/QC Certification was met	Yes__ No__
Project Narrative/Summary included	Yes__ No__

15 November 2001

ENVIRONMENT DEPARTMENT
DOE OVERSIGHT BUREAU

SAMPLE EVENT FORM

INSTRUCTIONS:

Please PRINT or ELECTRONICALLY fill in all fields
Prepare SEPARATE FORM FOR EACH SAMPLING EVENT
After completion deliver to your admin office for budget verification and project number

PROJECT NUMBER	PROJECT DESCRIPTION	SITE	FTL	SAMPLE DATE	LAB	EVENT COST
178.07.167 (HWB Red Box)	Spring 4 Series	LAWL	Young	1/28/02	Pinnacle	$699.20

REMARKS:

			FUNDED BY:	
Is this part of a prior event?	YES ☐	NO ☒	*DOE OB*	☐
Is this a change to a prior event?	YES ☐	NO ☒	*EPA*	☐
Is this a Cerro Grande fire related event?	YES ☐	NO ☒	*HWB*	☒
If yes, project number			*OTHER*	_____

Comments: _____

SAP APPROVED BY: J. Young / Yanicek DATE: 01/28/02

PROJECT APPROVED BY: Yanicek DATE: 01/29/02

ADMIN USE ONLY:

Adequate funds for requested lab: YES ☐ *NO* ☐

Project Number: ___

Date posted to Lab budget:

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 1-28-02 PAGE: 1 OF 1

PLI Accession #: 201122

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: JOHN YOUNG

COMPANY: HWB (NMED)
ADDRESS: 2905 Rodeo Park Dr. E/Bldg 1
Santa Fe NM 87505
PHONE: 428-2538
FAX: 428-2567

BILL TO: HWB (NMED)
COMPANY: 2905 Rodeo Park Dr. E/Bldg 1
ADDRESS: Santa Fe NM 87505

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	N-isotopes (153)	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐ MTBE ☐ TMB ☐ PCE	~~8021 (TOL)~~ (180) (154)	8021 (EDX) (14) (155)	8021 (HALO) (200 series) (77)	8021 (CUST) (310.1 series) (79)	504.1 EDB ☐ / DBCP ☐	Dissolved H (112)	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides /PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	TC-TS (116)	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	Gamma spec (130)	NUMBER OF CONTAINERS
Spring 4	1-28-02	1034	H2O	01			X				X	X	X	X		X										X						X	7
Spring 4C	1-28-02	1045		02			X				X	X	X	X		X										X						X	7
Spring 4E	1-28-02	1115		03			X				X	X	X	X		X										X						X	7
Spring 4B	1-28-02	1145		04			X				X	X	X	X		X										X						X	7
Spring 4A	1-28-02	1330		05			X				X	X	X	X		X										X						X	7
Spring 4AA	1-28-02	1330		06			X				X	X	X	X		X										X						X	7

PROJECT INFORMATION

PROJ. NO.: 01.28.02-167(HWB)
PROJ. NAME: 4 Springs Spring
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

NO. CONTAINERS	42
CUSTODY SEALS	(Y) N/NA
RECEIVED INTACT (Y)	Yes
BLUE ICE/ICE	33°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

RELINQUISHED BY: 1.
Signature: Time: 1725
Printed Name: Steve Smith Date: 01/29/02
Company: NMED DOE Oversight
See reverse side (Force Majeure)

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: Time: 1725
Printed Name: Date: 01/29/02
Pinnacle Laboratories Inc.

with sign + rec'd copy

Chain of Custody

Date: 01/23/2002 Page: 1 of 1

TechLaw Project for HWB
Laboratory used: Acculabs

ANALYSIS REQUEST

Accession # 20112

Authorized by/ Attn: John Young

CLIENT: NMED HWB
ADDRESS: 2905 Rodeo Park Dr. E/BLDG 1
CITY: Santa Fe, New Mexico; ZIP: 87505
(505) 428-2538 Fax (505)428-2567

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Perchlorate	NUMBER OF CONTAINERS
E1-HWB	01/25/2002	10:30	Water	01	X	1
E5-HWB	01/25/2002	10:00	Water	02	X	1
E1-AS	01/29/2002	11:20	Water	03	X	1
E5-AS	01/29/2002	10:59	Water	04	X	1

PROJECT INFORMATION

PROJECT #: 01.28.02-TECHLAW -167

PROJ. NAME: SPIKE CLO-4

SAMPLE RECEIPT

Normal [X]

#Containers 4
Custody Seals N/A
Rcvd Intact (Y)
Blue Ice 4.6°C

SAMPLES SENT TO:

RELINQUISED BY: 1.
Signature: [signature] Time: 1720
Printed Name: STEVE YANICAK Date: 1-29-02
~~Ralph Ford Gilmid~~
Company

RELINQUISED BY: 2.
Signature:
Printed Name:
Company

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company

RECEIVED BY: 2
Signature: 01/29/02 Cindy Mathiasen 17:20
Printed Name: CINDY MATHIASEN
Company PINNACLE LABORATORIES INC

AccuLab, Inc.
4663 Table Moutain Dr.
Golden, CO 80403-1650

ANALYSIS REQUEST

Authorized by/ Attn: John Young

Bill to: HWB

CLIENT: Hazardous Waste Bureau
ADDRESS: 2905 Rodeo Park Drive East, Buildin
CITY, STATE, Z: Santa Fe, NM 87505-6303
(505)428-2500 Fax (505)428-2567

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Perchlorate EPA 8321 modified (LC-MS-MS)	Cost Estimate	Bottles
Spring 4	01/28/2002	10:34	water		x		1
Spring 4C	01/28/2002	10:45	water		x		1
Spring 4E	01/28/2002	11:15	water		x		1
Spring 4B	01/28/2002	10:45	water		x		1
Spring 4A	01/28/2002	13:30	water		x		1
Spring 4AA	01/28/2002	13:50	water		x		1
American Spring	01/29/2002	10:25	water		x		1

Total containers sent

PROJECT INFORMATION	SAMPLE RECEIPT
PROJECT #:	Total Number of Containers
PROJ. NAME:	Chain of Custody Seals
QC LEVEL: STD.	Received Intact?
QC REQUIRED:	Received Good Cond./Cold
	LAB NUMBER:

RELINQUISED BY:		1	RELINQUISED BY:		3
Signature:	Time: 12:30		Signature:		Time:
Printed Name: Michael Dale	Date: 2-4-02		Printed Name: Pinnacle Laboratories, Inc.		Date:
RECEIVED BY:		2	**RECEIVED BY:**		4
Signature:	Time:		Signature:		Time:
Printed Name:	Date:		Printed Name:		Date:
Company			Company		

DUE DATE:
RUSH SURCHARGE:
CLIENT DISCOUNT:
SPECIAL CERTIFICATION
REQUIRED YES NO

Bill to Techlaw

Project # 01.28.02 - TECHLAW
There are two C-o-Cs for
this project: see Pinnacle

Spring 4
Date 01/28/02
Time 10:34
pH 7.03 @ 15.1 °C
sp Cond 218 µS/cm TDS 106 ppm @ 15.3 °C
Sampler Steve Yanicak
coordinates N 35° 48' 17.9"
W 106° 11' 33.7" el 5442
8' above RG wL, spring clear 120 gpm

Spring: 4-B
Date: 01/28/02
Time: 11:45
pH: 7.27 @ 16.3 °C
sp Cond 240 µS/cm TDS 117 ppm @ 16.5 °C
Sampler: ENGIENT / YAK

coordinates:

Spring 4A
Date: 1-28-02
Time: 13:30
pH: 7.50 @ 20.2 °C
sp. Cond: 203 µS/cm @ 20.4 °C
TDS: 99 ppm

Time: 16:50
Sp. 4C - acidified cubitainer @ H_2SO_4 for Nitrogen Isotopes
pH: 1.97 su
Spring 4 - pH: 1.99 su
Spring 4A - pH: 2.02 su
Spring 4B - pH: 1.98 su
Spring 4E - pH: 1.96 su
Spring 4AA - pH: 1.97 su

DATE: 1-29-02
TIME: 9:20
calibrate pH meter "F"
slope: 96.2
pH 7 check: 7.00 su @ 20.7 °C

ID: AMERICAN SPRING
DATE: 1-29-02
TIME: 10:25
pH: 7.12 su @ 7.3 °C
sp Cond: 132 µS/cm @ 7.4 °C
TDS: 64 ppm
Samples: C104
Sampler: MRD
GPSd in location

28 January 2002

DATE: 1-28-02

0800 - Arrive @ office

ID: SPRING 4C

TIME: 10:45 Sampling Time

PARAMETERS TAKEN AT:

pH: 6.93 @ 16.7°C

sp. Cond: 210 µS/cm @ 17.1°C

TDS:

Samples - a lot

Samplers: MRD, JY

ID: DUP OF SPRING 4C (4E)

C-O-C ID = Spring 4E

DATE: 1-28-02

TIME: 11:15

Samples - a lot

Samplers: MRD & JY

ID: Spring 4AA

Date: 1-28-02

Time: 1350

Parameters:

pH: 7.20 @ 18.4°C

sp Cond: 206 µS/cm @ 18.8°C

Temp: 18.8

1438 - Exit Canyon

1539 - Arrive @ office

1539 - 1715: ① Sample filter for Longmire's sample Spring 4AA

② Acidify Spring 4 - 4AA for H_2SO_4 / N-isotopes

③ Placed all samples in frig

④ Check pH on N-isotope samples all < 2 s.u.

1715 - end log / end Day

NOTED: American Spring
Sample E5-AS spiked 0.5 ppb
Sample time: 10:59

Sample E1-AS spiked 1.0 ppb
Sample time: 11:20

ID: Armstead Spring
DATE: 1-29-02
TIME: 10:45
pH: 6.9554 @ 6.5°C
sp. Cond. 120 µS/cm @ 6.6°C
TDS: 58 ppm
GPS in position

FedEx USA Airbill — FedEx Tracking Number 824168790944

SNA42

Form I.D. No. 0215 — Sender's Copy

1 From Please print and press hard.

Date 2-4-02 — Sender's FedEx Account Number 1981-7031-3

Sender's Name Michael Dale — Phone (505) 672-0443

Company NEW MEXICO ENVIRONMENT SVCS

Address 134 STATE ROAD 4 STE A — Dept./Floor/Suite/Room

City LOS ALAMOS — State NM — ZIP 87544

2 Your Internal Billing Reference First 24 characters will appear on invoice.

3 To

Recipient's Name AccuLAB, Inc. — Phone (303) 277-9514

Company AccuLAB, Inc.

Address 4663 Table Mountain Dr. — To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes. — Dept./Floor/Suite/Room

City Golden — State CO — ZIP 80403-1650

Peel and Stick FedEx USA Airbill

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Questions? Call 1·800·Go·FedEx® (800-463-3339)

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4a Express Package Service — Packages up to 150 lbs. Delivery commitment may be later in some areas.

- [ ] FedEx Priority Overnight — Next business morning
- [x] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day* — Second business day
- [ ] FedEx Express Saver* — Third business day

* FedEx Envelope/Letter Rate not available. Minimum charge: One pound rate.

4b Express Freight Service — Packages over 150 lbs. Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging — * Declared value limit $500

- [ ] FedEx Envelope/Letter*
- [ ] FedEx Pak*
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous Goods cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. 2321-5544-2 — Exp. Date

Total Packages	Total Weight	Total Declared Value†	FedEx Use Only
1	30	$ 0 .00	0

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Release Signature Sign to authorize delivery without obtaining signature.

Michael Dale

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

402

Rev. Date 3/00 • Part #150913G • ©1994-2000 FedEx • PRINTED IN U.S.A. GREE 200

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE.

Kim Gould

302/478-0438

Kim Gould
302 478 0438
302 479 0486

Let me know if you need any additional Information (505/428-2538).

Thanks and have a Wonderful Day!!