State of New Mexico Energy, Minerals and Natural Resources Department

Submit 1 copy to Natural Resource Dept. and Oil & Gas Administration

Oil Conservation Division 2040 S. PACHECO Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

note sayse

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Date Remedia	ation Start	ed:	11/18/1999		Date Com	pleted:	09/18/2000		
Remediation			Excavation		Approx. c	ubic yard	s		
(Check all app sections)	propriate		Landfarmed		Incitu Dia-	omodia#			
360110118)			Landiamed		Insitu Bior	emediali	UII		
			Other				center, compo	osite core s	ample
Pomodiatie -	Loopties		0	-	t bottom cor	ners			
Remediation (i.e. landfarme name and loca offsite facility)	ed onsite, ation of		Onsite	XX	Offsite				
General Desc	-				QUIRED, NO	CONTA	MINATION DE	CTECTED) ————————————————————————————————————
	9/18/00 B	ACKFILL	ED AND RESE	EDED					
Groundwater	Encounte	ered:	No	XXX	_Yes		Depth		_
Final Pit: Closure Sam (in multiple sa attach sample	mples,	Sample	location	Core samp		oit botton	n center, 4 poin	ts compos	ite sample
and diagram of locations and	of sample	Sample	depth	CORE SA	MPLE 4' BEI	OW PIT	воттом.		
	Sample Da Sample re			11/18/199	9 corner/cent	_Sample er	Time	11:30AM,	10:45AM
	Soil:	Benzene	;	(ppm)	ND/ND	_Water:	Benzene	(ppb)	NA
		Total BT	EX	(ppm)	ND/ND	_	Toluene	(ppb)	NA
		Field He	adspace	(ppm)	ND/ND	- E	Ethylbenzene	(ppb)	NA
		TPH		(ppm)	ND/ND	- 7	Total Xylenes	(ppb)	<u>NA</u>
Groundwater	· Sample:		Yes		No	XXX	(If yes attac	ch sample i	results)
I HEREBY CE KNOWLEDGI			NFORMATIO	N ABOVE I	S TRUE ANI	COMPI	LETE TO THE	BEST OF I	MY
DATE	11-0	22.00		PRINTED	NAME		Jeff Cross		
SIGNATURE	/	11 Cu		AND TITL	_		Project Ma		

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P. O. BOX 507 DULCE, NEW MEXICO 87528

Submit 1 copy to Natural Resource Dept. and Oil & Gas Administration

PIT REMEDIATION AND CLOSURE REPORT

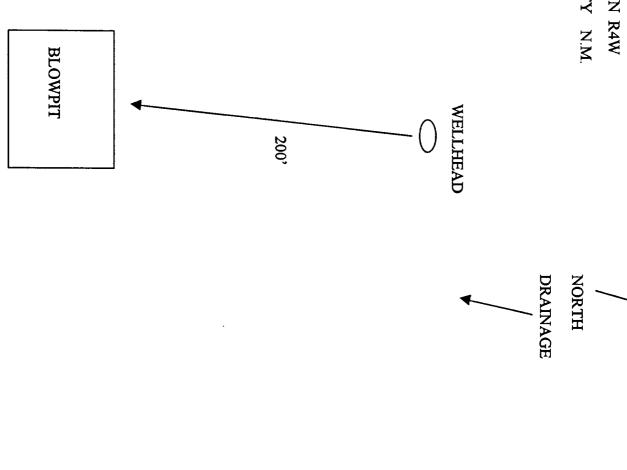
Operator:	APA	CHE CORPORAT	ΓΙΟΝ		Telephone	505-3	25-0318		
Address:	2855	SOUTH SIDE R	IVER ROA	D FARMIN	- NGTON N.	 М. 87401			
Facility or We	-		JAT 390						
Location:	Unit	or Qtr/Qtr Sec	NE/SE	SEC 24	T 23N	R 4W	County	SANDOVA	L
Pit Type:	Sepa	arator:	Dehydrato	or	_Other	BLOW PI	Τ'		
Land Type:		JIC. TRIBA	\L						
Pit Location: (Attach diagra	am)	Pit Dimensions:	Length Wellhead		_ Width _Other	35'	Dept	h <u>4'</u>	-
		Footage from ref		200' 230°	_Degrees	<u>.</u>	East	North	
							West	of South	X
Depth To Gr (vertical distance contaminants to s high water elevati groundwater)	from seasona				Less than 50 feet to Greater th		t	(20 points) (10 points) (0 points)	
	nt dry	phemeral Stream wash greater that			Less than Greater th	100 feet an 100 fee	t	(10 points) (0 points)	
(Downgradier	nt lak	est Lake, Playa, o es, playas and e watering ponds)	or Waterin	g Pond:	Less than Greater th	100 feet an 100 fee	t	(10 points) (0 points)	0
domestic wat	00 fee er so	ion Area: et from a private urce, or less than other water sourc	es)			Ye: No		(20 points)	0
	stand river	e to perennial s, streams, creek	s,			100 feet 0 1000 feet an 1000 fe		(20 points) (10 points) (0 points)	
		,			RANKING	SCORE (TOTAL PO	INTS)	0

Date Remedi	iation Star	ted: 1	1/18/99		_Date Comp	leted:	9	-18-00)
Remediation		Exca	vation		_Approx. cul	oic yards			
(Chieck all appointment)	propriate	Landf	armed		_Insitu Biore	mediatior	l		
Remediation (i.e. landfarm name and loc offsite facility	ed onsite, ation of	Oth	er Onsite	4' below p	ple 4' below jit bottom cor Offsite		center,com	posite cor	e sample
•		Remedial Acti	on: .	9-18	7-00 BAC	KRILA	nit an	0 Res	eed.
	Non	Remedial Acti	ed P	+ TO B	e BACK P	lled a	io Reso	reded.	
Groundwate	r Encount	Contam Satiri ered:	No No	treed.	_ Yes		Depth	1	
Final Pit: Closure Sam (in multiple sa	amples,	Sample location	n		ole 4' below pom corners.	it bottom	center,4poi	nt compos	ite sample
attach sample and diagram locations and	of sample	Sample depth		CORE SA	MPLE 4' BE	LOW PIT	воттом.		
1	Sample Dample re			11/18/99)	Sample T	i <u>me; 11</u>	:30Am,10:	45Am
	Soil:	Benzene		(ppm)	ners/center	Water:	Benzene	(ppb)	NA
		Total BTEX		(ppm)	MOIND		Toluene	(ppb)	NA
		Field Headspa	ce	(ppm)	ND/ND	Et	hylbenzene	(ppb)	NA
		TPH		(ppm)	MDIND	To	otal Xylenes	(ppb)	NA
Groundwate	r Sample:		Yes		_ No	XXX	(If yes atta	ach sample	e results)
I HEREBY CI KNOWLEDG		AT THE INFOR	RMATIC	ON ABOVE	IS TRUE A	ND COMI	PLETE TO	THE BEST	OF MY
DATE	9.18	-2000		PRINTED	NAME		JEFF CR	oss	
SIGNATURE	<i>n</i>	eff lws		AND TITL			PROJEC		ER
		IE PIT CLOSUF HE TRIBE PIT (•	URE IS A	PPROVED	IN ACCO	RDANCE TO
APPROVED:	YES	×	NO		_(REASON)				
SIGNED:		- Cm	3 4		DATE:	11-	9-00)	
	-, \					<u> </u>			

Pit Impact Rating Sheet

% Wat % Oil: Visual Soil Contan Highly Unsatu Suspected Ground	Location: sage: on:	SEC 24 T BLOW PIT NO XX NO XX reated Soils: on (Odor or F	NONE		ND	• •	
RATING:				 		-	
Depth to Groundw < 50' 50' - 99 > 100' Ratin	20 9' 10 0	_	Wellhead F	Protection Are < 1000' from <200' from a	water so		20 0 0
200' - 1	e Water: horizontal feet 000' horizontal feet ' horizontal feet Rating	0	-	Ephermeral : < 100' horizor > 100' horizor Lake, Playa (< 100' horizor > 100' horizor	ntal feet ntal feet or Water ntal feet	Yes No Rating	10 0 0 10 0
FINAL SOIL RE	MEDIATION ST	ANDARDS	<u>S:</u>		Total	Rating	0
TPH: 5000 Benzene: 10 BTEX: 50 KNOWN ANALYS	ppm ppm ppm						
		Ponzene:	410	nom	BTEX:	ND	nnm
	TPH: NO ppm TPH: NA ppm	Benzene: Benzene:	NA NA	ppm ppm	BTEX:	NA NA	ppm ppm
	REMEDIATION TE On-Site	CHNIQUE:					_
Composting:							• •
Disposal: Thermal Desorption Soil Venting: Other:	Facility Name						• • •
							-

JAT 390 # 2 NE/SE (I) SEC 24 T23N R4W SANDOVAL, COUNTY N.M.



METER RUN

35' X 35' X 4'

APACHE CORPORATION/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JAT 390 #2

└CATION

PIT C	TNUC	1	_						
	07407							•	
DIMEN	START				FINISH			L	
DIMEN	L	W				1	l w	T D	CU YDS
Pit 1	35'	35'	4'	Pit 1		<u> </u>	- VV	<u> </u>	COTES
Pit 2	33	33	4					 	
Pit 3	 			Pit 2					
	<u> </u>	57.4.6.61	1000	Pit 3	<u> </u>	L	57.4	0.100	5100
DATE:		Pit 1 @ 8'	Pit 2 @	Pit 3 @	Date:		Pit 1 @	Pit 2 @	Pit 3 @
	Center	ND ND		 		Center			
P	NW Corner	ND		<u> </u>	P	NW Corner		ļ	
	NE Corner	ND	ļ	ļ		NE Corner			
D	SW Corner	ND	_	ļ	D	SW Corner	ļ		
	SE Corner	ND		1		SE Corner	<u> </u>	L	<u> </u>
NOTE	PIT SHOWS	NO VISIABLI	E STAINING,F	PIT OVERGRO	WN WITH	I SAGEBRUSI	<u> 1</u>		
					·				and the
		OK ONE CO	RE SAMPLE	4' BELOW PIT	BOTTOM	CENTER , PI	D READIND N	ID. NO VISIAB	LE STAINING
	OR ODOR.								
				ORE SAMPLE	4' BELO	W PIT BOTTO	M CORNERS	, PID READIN	GS ND.
	NO VISIABLE	STAINING O	R ODOR.						
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					1111				·
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<u> </u>									·
<u> </u>									
	DATE	11/18/99		SOIL SAMPL	ING				
	DATE	Pit 1 @ 8'	Pit 2 @	Pit 3 @		IS RESULTS	· · · · · · · · · · · · · · · · · · ·	PER LAB	Assaigai
	0		PIL Z W	PR 3 W			Lecrey		
_	Center	ND ND	<u> </u>		PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner	ND	ļ		NO	SIDE\BTM	SIDE\BTM		
	NE Corner	ND			1	DN/DN	NO/NO	J.C.	11/18/99
D	SW Corner	ND			2				
	SE Corner	ND		<u> </u>	3	<u> </u>			
				RE-SAMPLE					
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYS	IS RESULTS		PER LAB	
	Center				PIT	TPH	BETEX	WITNESS	DATE
P	NW Corner				NO	SIDE\BTM	SIDE\BTM		
	NE Corner				1	1			
D	SW Corner		1		2				
	SE Corner		1		3	1		1	
		L	L	RE-SAMPLE		I	1	<u> </u>	
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANAI YS	IS RESULTS		PER LAB	
	Contor		1 12 10	1 1 1 1 1 1	PIT	TPH	BETEX	WITNESS	DATE
	Center		 	 	NO	SIDE\BTM	SIDE\BTM	AALLIAEOO	DAIE
	NW Corner		 	-		SIDERDIM	SIDE TO HVI		
	NE Corner	ļ			1				
- D	SW Corner			ļ	2			ļ	
	SE Corner		1	<u> </u>	3	<u> </u>			



ASSAIGAI ANALYTICAL LABORATORIES, INC.

7300 Jefferson, NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood Dr., Suite N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

APACHE CORPORATION
attn: JEFF CROSS
2855 SOUTHSIDE RIVER RD STE A
FARMINGTON, NM 87401-7947

JZ-Z(Explanation of codes
В	analyte detected in Method Blank
E	result is estimated
Н	analyzed out of hold time
N	tentatively identified compound
S	subcontracted
1-9	see footnote

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

Project: 9911218

JIC. PIT REMEDIATION

reall . A. med

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Client Sample ID	JAT 390#2P	IT SIDES		Sample SO	IL			mple liected	11/18/99 11:00:00
						Dilution	Detection		Run
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Factor	Limit	Code	Date
9911218-01	A	SW846 5030	V/8021B Purgeable VOCs by GC	/PID					
X99379	XG.1999.995-6	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-6	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-6	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-6		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99379	XG.1999.995-6	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99
9911218-01	A	SW846 ME/8	015A Diesel Range Organics by	GC/FID					
X99385	XG.1999.1002-2		Diesel Range Organics	ND	mg / Kg	1	25		11/30/99

Client Sample ID	JAT390#2 P	IT CENTER		Sample SO Matrix	IL			mple ilected	11/18/99 10:45:00
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9911218-02	2 A	SW846 5030A/8	021B Purgeable VOCs by 0	3C/PID					
X99379	XG.1999.995-7	71-43-2	Benzene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-7	100-41-4	Ethylbenzene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-7	95-47-6	o-Xylene	ND	mg / Kg	1	0.005	1	11/24/99
X99379	XG.1999.995-7		p/m-Xylenes	ND	mg / Kg	1	0.01	1	11/24/99
X99379	XG.1999.995-7	108-88-3	Toluene	ND	mg / Kg	1	0.005	1	11/24/99

Page 1 of 2

Client Reports

2.0

Report Date

12/2/99 3:33:12 PM



Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client:

APACHE CORPORATION

Project: 9911218 JIC. PIT REMEDIATION

9911218-02/	4	SW846 ME/	8015A Diesel Range Organics by	GC/FID				
X99385	XG.1999.1002-3		Diesel Range Organics	ND	mg / Kg	1	25	11/30/99

*** Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. ***

*** ND = Not detected: less than the sample specific Detection Limit. Results relate only to the items tested. ***

footnote

Sample was received in an improper container and with headspace.

memo

Please note that the cooler was received at a temperature greater than 4 degrees C.

ANALYTICAL L'ABORATORIES, INC.

ASSAIGAI APACA Chain of Custody Record ANAIVTICAL

7300 JEFFERSON, N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 345-8964

3332 WEDGEWOOD EL PASO, TEXAS 79925 (915) 593-6000

127 EASTGATE DRIVE, 212-C-LOS ALAMOS, NEW MEXICO 8754 (505) 662-2558

Segment of the segmen	adres 26 S. S. A. S. DE R. Ja - Kaho	014.10	الم	Tele	Telephone No. 150	505-375-0318	07.2	318	Way a				34		June Pare	A second						
Cny/State/Zip	CIVISIAN ZIDE LA LA CARA NO W STAGE	1879	2	Fax	Fax No 50 >	505 - 325 - 0328	0.7	328														
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	contract / Pulchase Order / Quote	Topics				1			*													
				to the second								40.5										
	The State of the State of Stat	17.18.4	2011			A CONTRACTOR	10 mg/s	(A) (2)		X	×	2.5°	30		***	1000					*	
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COURIER

