



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
DISTRICT I HOBBS  
PO BOX 1980, Hobbs, NM 88241  
(505) 393-6161  
FAX (505) 393-0720

Jennifer A. Salisbury  
CABINET SECRETARY

December 29, 1999

Rhombus Operating Co., LTD  
Attn: Greg Cielinski  
200 N. Loraine St., Ste. 1270  
Midland, Texas 79701

Re: Work Plan dated July 29, 1999

Dear Mr. Cielinski:

The New Mexico Oil Conservation Division (NMOCD) is in receipt of a Work Plan submitted by Allstate Services Environmental on Rhombus Operating Company's (Rhombus) behalf. The NMOCD has visited with Allstate Services on December 28, 1999, to see where the project was in the work plan phase. It is the understanding of the NMOCD that Rhombus is finished with this project, but the NMOCD has not received a request for closure. **The NMOCD hereby requests the following information by January 15, 2000:**

1. Rhombus shall submit to the NMOCD a report with all activities performed up to date.
2. Rhombus shall submit with the report a copy of all analyticals of samples collected.

If you have any further questions, or need any assistance please do not hesitate to write or call me at (505-393-6161 ext...113).

Sincerely,

Donna Williams  
Environmental Engineer Specialist

cc: Roger Anderson – Environmental Bureau Chief  
Chris Williams – District I Supervisor



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Sincerely,

A handwritten signature in cursive script that reads "Donna Williams".

Donna Williams  
Environmental Engineer Specialist

cc: Roger Anderson – Environmental Bureau Chief  
Chris Williams – District I Supervisor

Allstate Services Environmental  
P.O. Box 11322  
Midland, Texas 79702  
(915) 682-3547  
Fax: (915) 682-4182

1 RP-226  
11.2.05

January 5, 2000

**Ms. Donna Williams**  
**Oil Conservation Division**  
**District 1**  
**1625 N. French Drive**  
**Hobbs, New Mexico 88240**  
**(505) 393-6161, ext. 113**

Ms. Williams

Enclosed you will find the closure report for the Rhombus Operating Company Northwest Eumont Unit. This report details the remediation process from the scope of work through the backfill operations. If you have any questions please feel free to call at 915-553-6072 or 915-553-6047.

Respectfully,



Clayton A. McDonald  
Project Manager

**Rhombus Operating Company  
Northwest Eumont Unit  
Section 27 & 34, T-19-S R-36-E**

**Closure Report**

**Introduction**

On July 7, 1999 Allstate Services Environmental was contracted by Mr. Greg Cielinski, Pres., Rhombus Operating Company to perform a Site Assessment of Battery 15, Northwest Eumont Unit, Sec 27 & 34 T19S R36E. The New Mexico One Call was made on July 9, 1999; confirmation no. 99070807320047 & 99070807340051. Sites One, Two and Three were caused by small amounts of leakage from surface flow lines and Site Four was to clean an area where a produced water tank had been moved. NMOCD records show the ground water for this area to be approximately twenty feet in depth and no visible signs of surface impoundments in the area.

**Scope of Services**

Allstate Services was contracted to perform a site assessment, remediation and a closure report for NMOCD approval.

The Site Assessment was conducted using the trenching method for delineation. A John Deere 310 Backhoe would excavate a trench approximately 3' wide X 5' long, beginning inside the area of contamination and continuing out past the visual edge of contamination. Samples were taken at various depths of this process until no visual signs of contamination or odor could be detected. These samples were then packed in ice and delivered to Environmental Lab of Texas for analysis. Methods used were DRO 8015, BTEX, Chlorides and Total Metals Ag As Ba Cd Cr Pb Hg Se.

The Remediation consisted of using a John Deere 310 Backhoe and a John Deere 650 Dozer to excavate all contaminated material. (Contaminated material was stockpiled on location.) Excavated areas were then sampled for TPH, BTEX and Chloride levels. When OCD levels of remediation had been reached, stockpiles of material were sampled for TPH levels. Any material testing below remediation levels was blended with clean soil, transported to location, and used as backfill for excavated areas. All material testing above remediation levels was transported to C & C Land Farm for disposal.

**Page Two**  
**Rhombus Operating Co.**  
**Northwest Eumont Unit**  
**Closure Report**

**Summary**

- **Site One:** Approximate size 90' X 100' X 3' (area inside site one; 35' X 20' X 4') The excavated area on this site was sloped from surface to bottom hole, thereby negating the need for sidewall samples. All analytical and maps are indexed in the appendix.
- **Site Two:** Approximate size 45' X 75' X 4' The excavated area of this site was sloped from surface to bottom hole, thereby negating the need for sidewall samples. All analytical and maps are indexed in the appendix.
- **Site Three:** Approximate size 18' X 24' X 4.5' The excavated area for this site was sloped from surface to bottom hole, thereby negating the need for sidewall samples. Based on the site assessment, this site was excavated for chloride contamination only. All analytical and maps are indexed in the appendix.
- **Site Four:** Approximate size 40' X 50' X 4.5' The excavated area for this site was sloped from surface to bottom hole, thereby negating the need for sidewall samples. All analytical and maps are indexed in the appendix.

**Conclusion**

The NMOCD level of remediation for these four sites was TPH – 100 ppm, Benzene – 10 ppm, BTEX – 50 ppm and Chlorides – 250 ppm. Confirmatory lab analysis of Sites One through Four shows the removal and/or remediation of contamination. Allstate Services Environmental thereby concludes that no further action is necessary and requests closure approval from the New Mexico Oil Conservation Division.

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ALLSTATE SERVICES ENVIRONMENTAL  
ATTN: MR. CLAYTON Mc DONALD  
P.O. BOX 11322  
MIDLAND, TEXAS 79702  
FAX: 915-682-4182

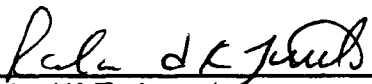
Sample Type: Soil  
Sample Condition: Intact/Iced  
Project #: NW Eumont  
Project Name: Rhombus Oper.  
Project Location: 5 mi. West of Monument

Sampling Date: 09/21/99  
Receiving Date: 09/21/99  
Analysis Date: 09/22/99

ELTW	FIELD CODE	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	m,p-XYLENE (mg/kg)	o-XYLENE (mg/kg)
20194	Site 1 Sec. C	<0.100	<0.100	<0.100	<0.100	<0.100
20195	Site 4	<0.100	<0.100	<0.100	<0.100	<0.100

%IA	93	88	88	88	88
%EA	100	92	95	94	95
BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: EPA SW 846-8020,5030

  
Raland K. Tuttle

9-23-99  
Date

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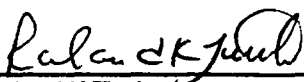
Sample Type: Soil  
Sample Condition: Intact/Iced  
Project #: NW Eumont  
Project Name: Rhombus Oper.  
Project Location: 5 mi. West of Monument

Sampling Date: 09/21/99  
Receiving Date: 09/21/99  
Analysis Date: 09/22/99

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C25 mg/kg
20194	Site 1 Sec. C	<10	64
20195	Site 4	<10	64

% INSTRUMENT ACCURACY	85	113
% EXTRACTION ACCURACY	91	92
BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

  
Raland K. Tuttle

9-23-99  
Date

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ATTN: MR. CLAYTON McDONALD  
P.O. BOX 11322  
MIDLAND, TEXAS 79702  
FAX: 915-682-4182


Sample Type: Soil  
Sample Condition: Intact/Iced  
Project #: NW Eumont Site 1, Site 3, Site 4  
Project Name: Rhombus  
Project Location: 5 miles west of Monument, New Mexico

Sampling Date: 09/16/99  
Receiving Date: 09/16/99  
Analysis Date: 09/20/99

ELT#	FIELD CODE	Chloride mg/kg
20067	Site 3	150

QUALITY CONTROL	5140
TRUE VALUE	5000
% PRECISION	103

METHODS: SW846-9252

  
Raland K. Tuttle

9-20-99  
Date



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MIDLAND, TEXAS 79702  
FAX: 915-682-4182  
FAX: 505-397-5125

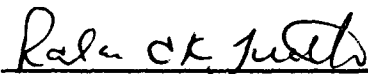
Sample Type: Soil  
Sample Condition: Intact/Iced  
Project #: NW Eumont Site 1, Site 3, Site 4  
Project Name: Rhombus  
Project Location: 5 miles west of Monument, N.M.

Sampling Date: 09/16/99  
Receiving Date: 09/16/99  
Analysis Date: 9/19-9/21/99

ELT#	FIELD CODE	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	m,p-XYLENE (mg/kg)	o-XYLENE (mg/kg)
20068	Site 4	<0.100	<0.100	<0.100	<0.100	<0.100
20072	Site 1 Sec. A	<0.100	<0.100	<0.100	<0.100	<0.100
20074	Site 1 Sec. C	<0.100	<0.100	<0.100	<0.100	<0.100
20075	Site 1 Sec. D	<0.100	0.538	0.103	0.504	0.306

%IA	94	92	91	90	90
%EA	98	93	94	92	92
BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: EPA SW 846-8020,5030

  
Raland K. Tuttle

9-22-99  
Date

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P.O. BOX 11322  
MIDLAND, TEXAS 79702  
FAX: 915-682-4182  
FAX: 505-397-5125

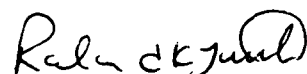
Sample Type: Soil  
Sample Condition: Intact/loose  
Project #: Rhombus Energy  
Project Name: NW Eumont Unit  
Project Location: 3.5 mi. West of Monument

Sampling Date: 09/10/99  
Receiving Date: 09/10/99  
Analysis Date: BTEX 09/13/99  
Analysis Date: DRO 09/11/99

ELT#	FIELD CODE	BTEX					Total	TPH (DRO)
		BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	m,p-XYLENE (mg/kg)	o-XYLENE (mg/kg)	C10-C28 (mg/kg)	
19903	Site 2 Pile A	<0.100	0.212	<0.100	0.266	<0.100	<10	
19904	Site 2 Cont. Soil Pile	0.440	0.477	0.338	0.869	0.396	98	
19905	Site 2 Sec. A	<0.100	0.126	<0.100	0.220	<0.100	24	
19906	Site 2 Sec. B	<0.100	0.114	<0.100	<0.100	<0.100	19	

%IA	90	85	86	86	87	116
%EA	102	98	96	98	97	114
BLANK	<0.100	<0.100	<0.100	<0.100	<0.100	<10

METHODS: EPA SW 846-8020, 5030, 8015M DRO

  
Raland K. Tuttle

9-14-99  
Date

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MIDLAND, TEXAS 79702  
FAX: 915-682-4182

Sample Type: Soil  
Sample Condition: Intact/fced  
Project #: NW Eumont Site 1, Site 3, Site 4  
Project Name: Rhombus  
Project Location: 5 miles west of Monument, New Mexico

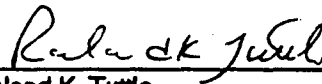
Sampling Date: 09/16/99  
Receiving Date: 09/16/99  
Analysis Date: 09/19/99

ELT#	FIELD CODE	DRO >C10-C28 mg/kg
20068	Site 4	120
20069	Site 4 Soil Pile	281 <i>4*</i>
20070	Site 1 Soil Pile A	53
20071	Site 1 Cont. Pile	107
20072	Site 1 Sec. A	60
20073	Site 1 Sec. B	60
20074	Site 1 Sec. C	125
20075	Site 1 Sec. D	40

Reporting Limit 10

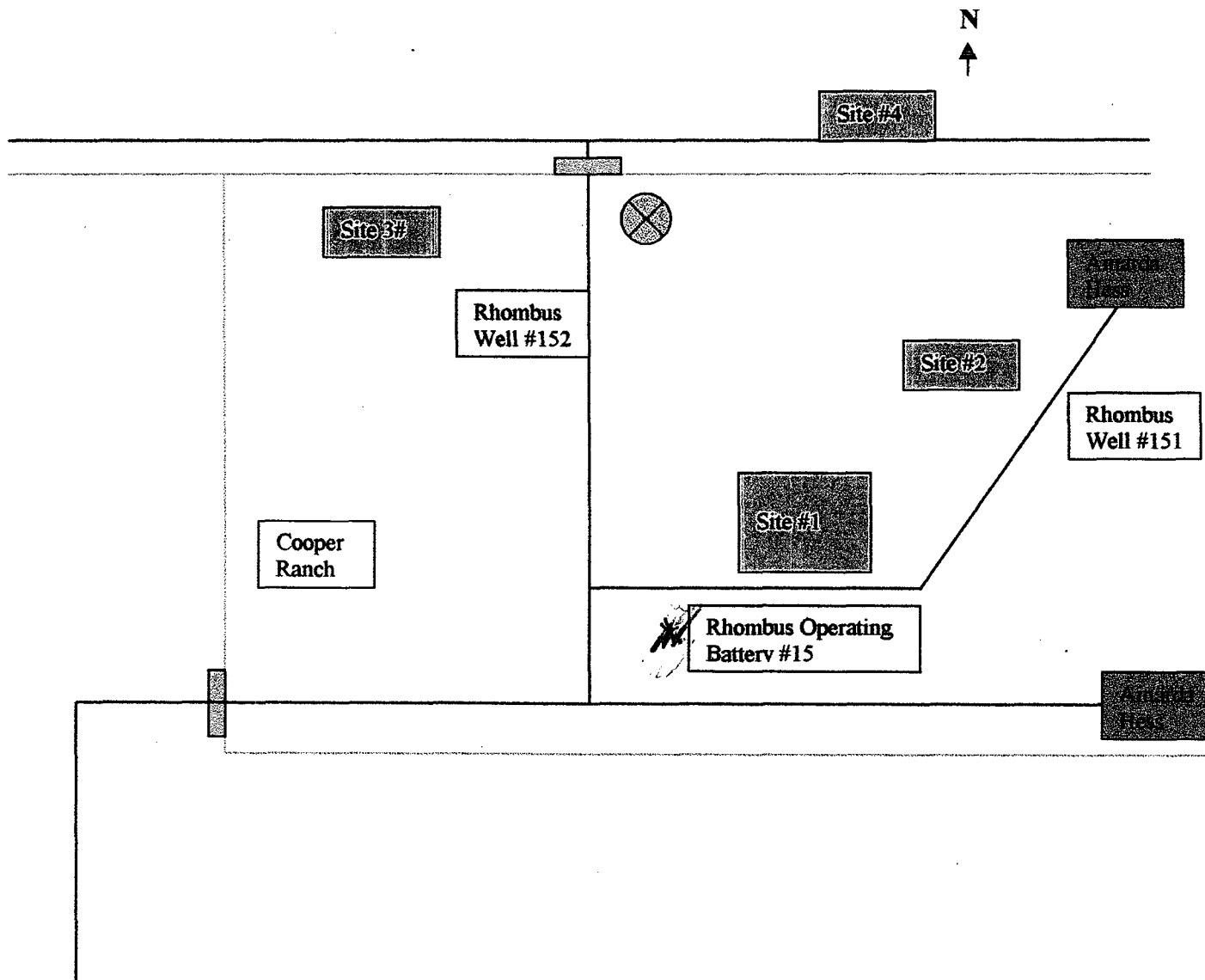
%IA	117
%EA	86
BLANK	<10

METHODS: SW846-8015M

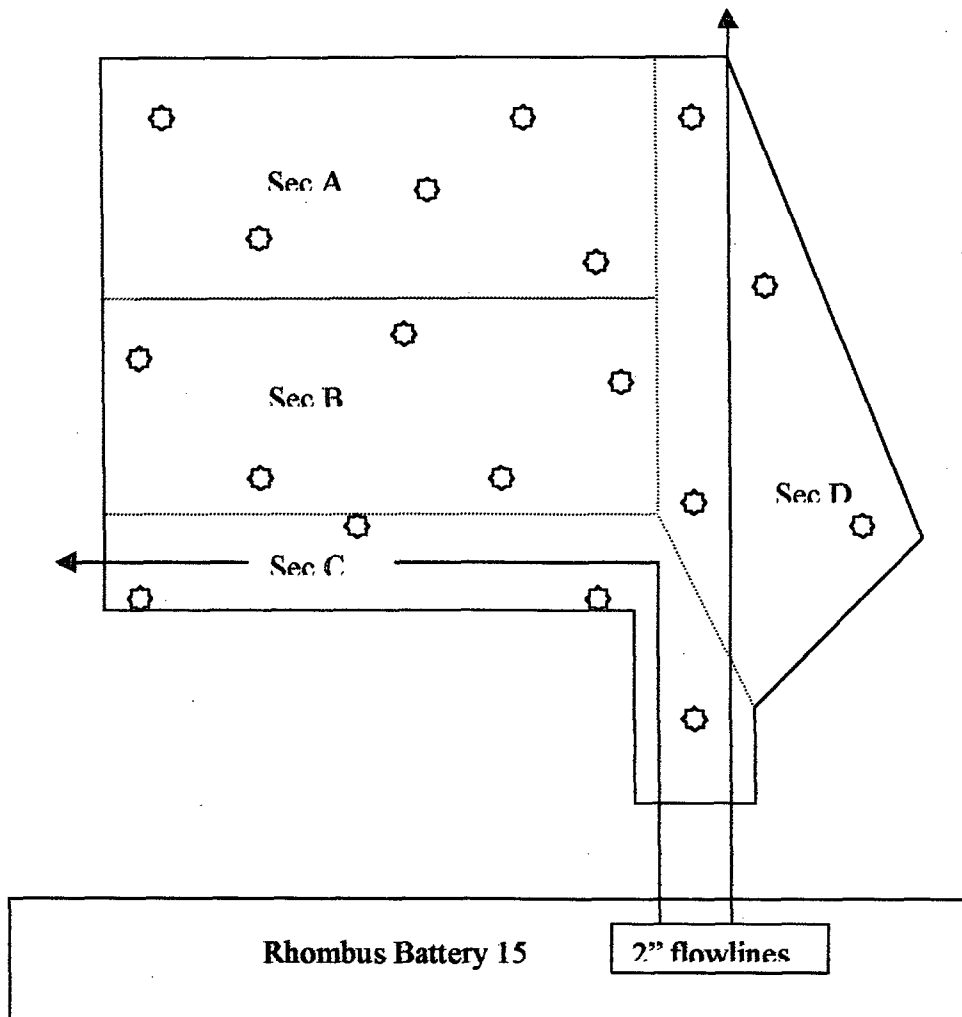
  
Randal K. Tuttle

9-20-99  
Date

**RHOMBUS OPERATING  
NORTHWEST EUMONT UNIT  
SECTION 34 T19S R36E  
&  
SECTION 27 T19S R36E**



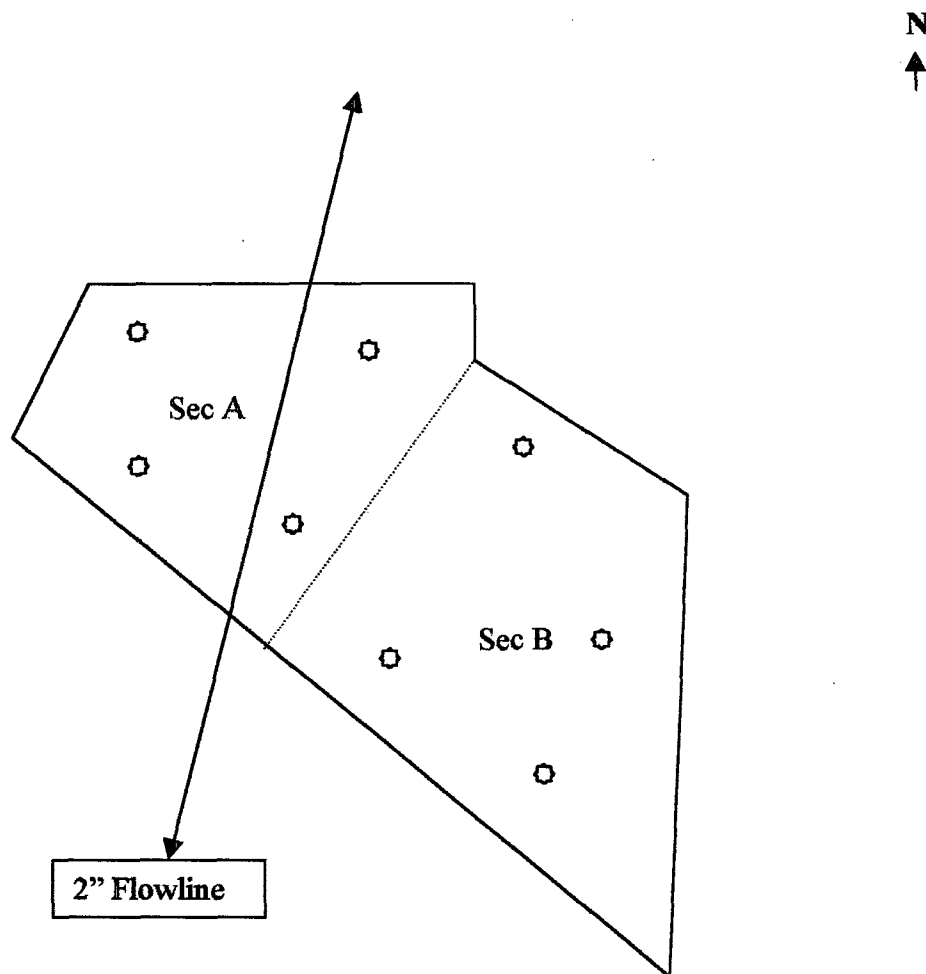
**Rhombus Operating  
Northwest Eumont Unit  
Site One: Sample Map**



**Legend**  
Composite Sample Location =   
Approximate Location Size = 200' N/S X 100 E/W  
Approximate Depth = 2' to 4'

↑  
depth

**Rhombus Operating Co.  
Northwest Eumont Unit  
Site Two: Sample Map**



**Legend**

Approximate Size – 50' N/S X 45' E/W

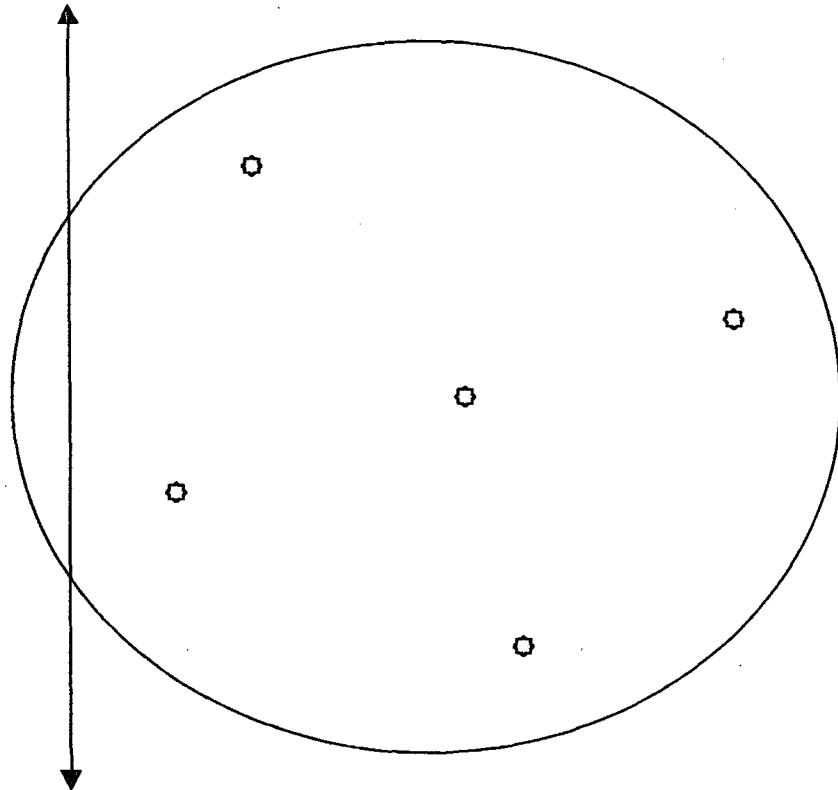
Approximate Depth - Sec A = 3', Sec B = 2'

Composite Sample Locations – ○

**Rhombus Operating Co.  
Northwest Eumont Unit  
Site Three: Sample Map**

N  
↑

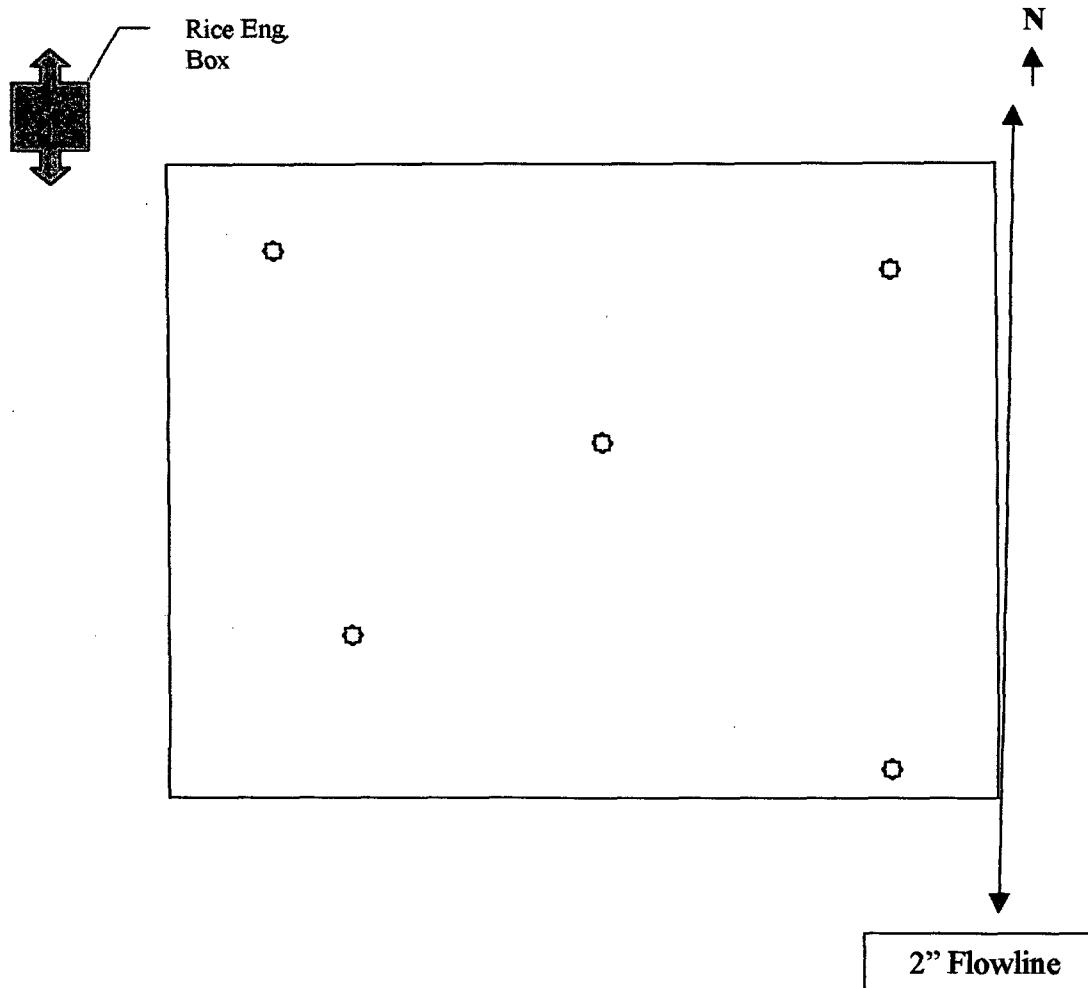
2" Flowline



**Legend**

Approximate Size – 21' N/S X 24'E/W X 4' 6" depth  
Remediation was for Chloride Contamination

**Rhombus Operating Co.  
Northwest Eumont Unit  
Sit Four: Sample Map**



**Legend**

Approximate Size - 43' N/S X 36' E/W

Approximate Depth - 2' 6"

Composite Sample Locations - ○