

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

JUN 23 1998

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

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (<i>Conoco</i>)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: <i>Axi Apache N-16</i>			
Location:	Unit: <i>L</i>	Sec. <i>12</i>	T. <i>25</i> N R. <i>4</i> W County <i>Rio Arriba</i>
Pit Type:	Separator <i>X</i>	Dehydrator	Other
Land Type:	<i>Jicarilla Apache</i>		
Pit Location:		Pit dimensions: length <i>19'</i> width <i>19'</i> depth <i>14'</i>	
(Attach diagram)	Reference:	wellhead <i>X</i>	other
	Footage from reference: <i>162'</i>		
	Direction from reference: <i>Straight</i> Degrees East North West South <i>X</i>		
Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>		Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points) <i>0</i>
Wellhead Protection Area: <small>(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)</small>		Yes No	(20 points) (0 points) <i>0</i>
Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>		Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points) <i>10</i>
Distance to Ephemeral Stream (dry wash): <small>(Horizontal distance to all downgradient streams having a width of at least 10 feet)</small>		Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points) <i>0</i>
Distance to Nearest Lake, Playa, or Watering Pond: <small>(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)</small>		Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points) <i>0</i>
RANKING SCORE (TOTAL POINTS):			<i>10</i>

Date Remediation Started: 10/6/97 Date Completed: 11/20/97

Remediation Method: Excavation X Approx. Cubic Yards 187

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 187

Other _____

Remediation Location: Onsite X Offsite _____

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all four side walls and pit bottom as to get a below 100pph head space remaining

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South, West side walls and pit bottom

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 14'

Sample date 10/6/97 Sample time 0957

Sample Results

Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 47.8 Ethylbenzene (ppb) _____

TPH 27 ppm Method EOIS Total Xylenes (ppb) _____

Ground Water Sample: Yes _____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE 10/16/97 PRINTED NAME Ronald A. Dedrick

SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

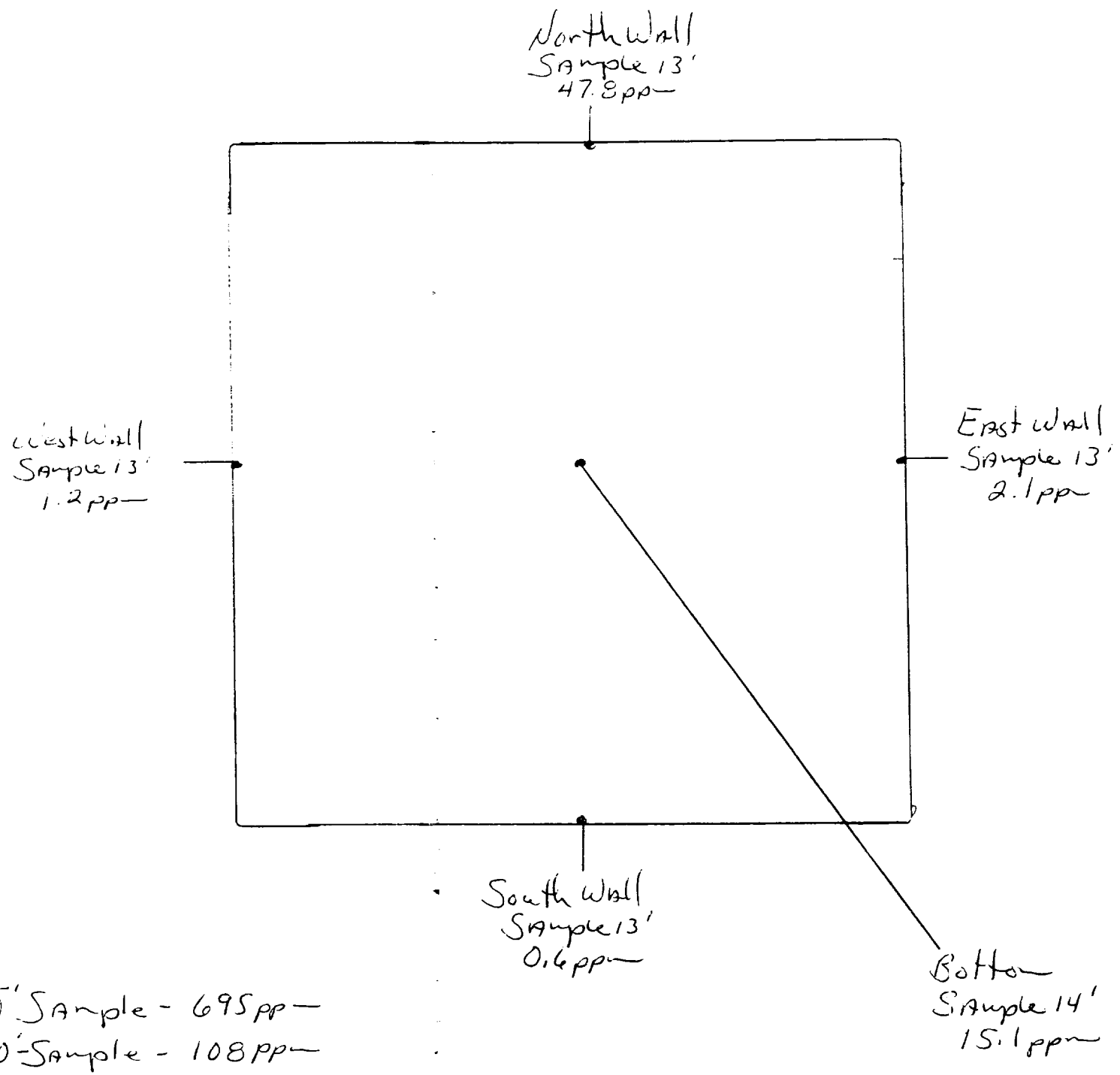
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

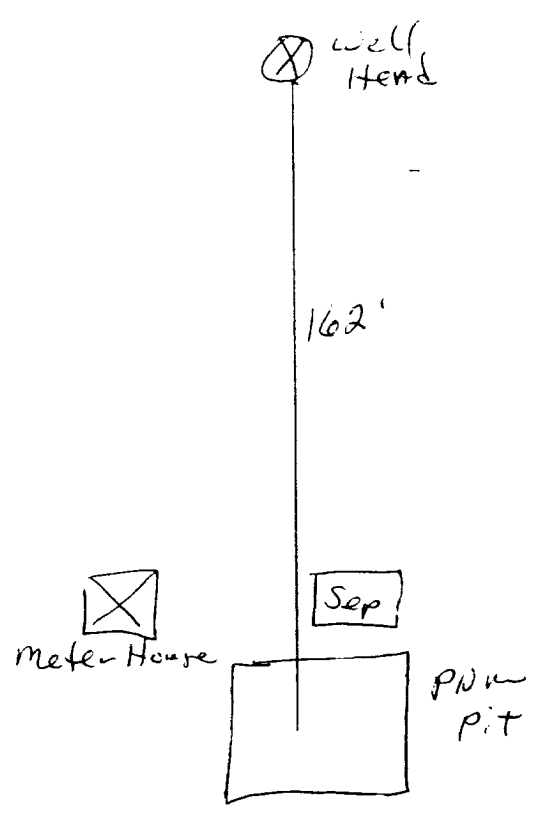
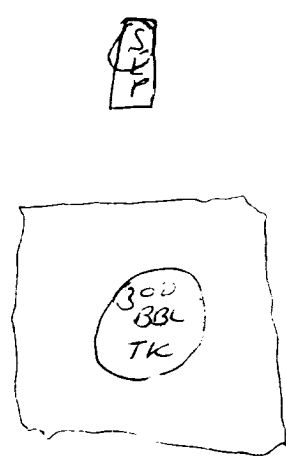
SIGNED: Kate C. Mammell DATE: 10-14-97

Hill Apache N-16
Sec. 12 T26N R4W Unit L
Conoco

19'x19'x14'



Apache N-16
Sec. 12 T25N R4W Unit L
Conoco



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *10-Oct-97*
COC No.: *5615*
Sample No.: *16528*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Axi Apache N-16*
Project Location: *9710060957; 5pt. Composite*
Sampled by: *SA* Date: *6-Oct-97* Time: *9:57*
Analyzed by: *DC/HR* Date: *9-Oct-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>27</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>202</i>	<i>1.0</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>103</i>	<i>104</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
Date: *10/10/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

Environmental Remediation Consultants, Inc. and Equipment, Inc.

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

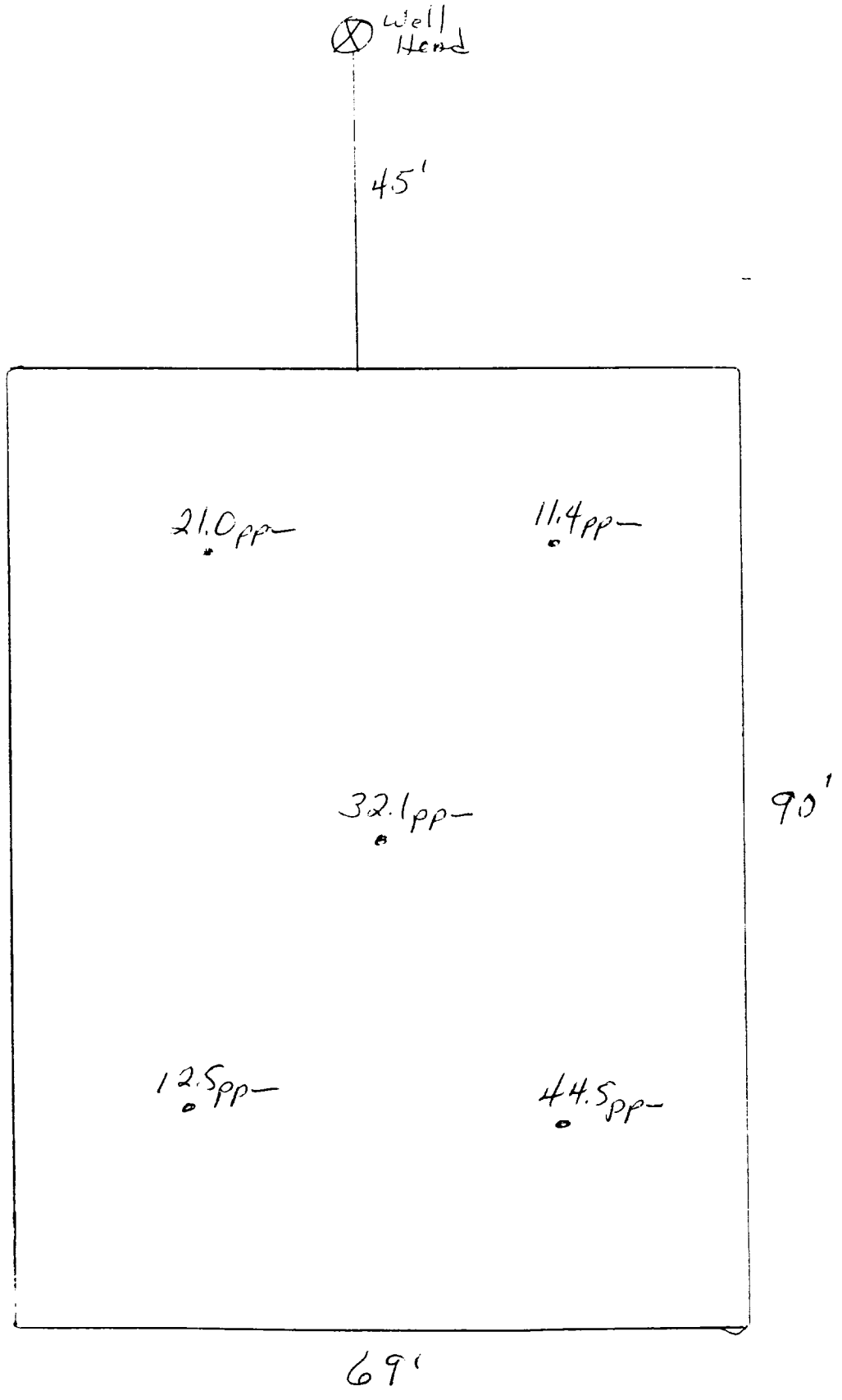
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (Conoco)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache N-16</u>	
Location: Unit: <u>L</u> Sec. <u>12</u> T. <u>25</u> N R. <u>4</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: _____ Date Completed: <u>11/6/97</u>	
Remediation Method: Landfarmed <input checked="" type="checkbox"/> Approx. cubic yards <u>187</u> Composted _____ Other _____	
Depth to Ground Water: (pts.) <u>5</u> Distance to an Ephemeral Stream: (pts.) <u>5</u> Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>5</u> Wellhead Protection Area: (pts.) <u>5</u> Distance to Surface Water: (pts.) <u>10</u> Ranking Score (Total Points): <u>10</u>	Final Closure Sampling: Sampling Date: <u>11/4/97</u> Time <u>1209</u> Sampling Results: Field Headspace (ppm) <u>44.5</u> TPH (ppm) <u>718</u> Method <u>8015</u> Other _____
<p>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF</p> <p>DATE <u>11/10/97</u> PRINTED NAME <u>Ronald A. Dedrick</u></p> <p>SIGNATURE <u>Ronald A. Dedrick</u> AND TITLE <u>Environmental Technician II</u></p>	
<p>AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE</p> <p>APPROVED: YES <input checked="" type="checkbox"/> NO _____ (REASON) _____</p> <p>SIGNED: <u>Kenn C. Mann</u> DATE: <u>11-12-97</u></p>	

Ax. Hpsche N-16
Sec. 12 T25N R4W Unit L
Conoco

Landfarm



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *7-Nov-97*
COC No.: *5630*
Sample No.: *16764*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Axi Apache N-16 Landfarm***

Project Location: ***9711041209; 5pt. Composite***

Sampled by: *RB* Date: *4-Nov-97* Time: *12:09*

Analyzed by: *DC/HR* Date: *6-Nov-97*

Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	718	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	181	9.7	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	72	72	(70-130)	1	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
Date: *11/7/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- SERVING THE REMEDIATION INDUSTRY WITH THE ENVIRONMENT -