USS CLAIRTON WORKS
A DIVISION OF USX CORPORATION
CLAIRTON, PENNSYLVANIA

Report on

LEAK DETECTION AND REPAIR OF EQUIPMENT IN BENZENE SERVICE FOR THE PERIOD JANUARY 1994 THROUGH JUNE 1994

APRIL 1995

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Project No. IKM-0206

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1.0 INTRODUCTION

As required by United States Code of Federal Regulations, Title 40, Part 61 (40 CFR 61), Subpart L (National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants, Subpart V (National Emission Standard for Equipment Leaks [Fugitive Emissions Sources]), and Subpart FF (National Emission Standard for Benzene Waste Operations), leak detection and repair of equipment in benzene service and benzene waste service was conducted at the USS Clairton Works facility located in Clairton, Pennsylvania. This report summarizes the results of the monitoring activities for the period January 1994 through June 1994. All monitoring and reporting activities were completed by the Air Emissions Measurements Group of Advanced Technology Systems, Inc. (ATS - this group was acquired by ATS from Chester Environmental in June 1994).

Equipment "in benzene service" is defined as that equipment which contains or contacts a fluid (liquid or gas) that is at least 10 percent benzene by weight or an exhauster that contains or contacts a fluid (liquid or gas) at least 1 percent benzene by weight. The following four streams at USS Clairton Works meet the requirements of this regulation:

- Raw gas is greater than 1 percent benzene by weight and is present in the axi compressors (USS Clairton Works does not use exhausters)

- Sub gas is greater than 10 percent benzene by weight and contacts the main regenerators, sub gas vacuum machines (dual axes), sub gas coolers, sub gas separators, and light oil regenerators

- Sub sub (sub squared) gas is greater than 10 percent benzene and contacts light oil regenerators, sub gas coolers, and separators

- Light oil contains greater than 10 percent benzene by weight, and contacts all separators, coolers, decanters, and transfer line to Aristech. Light oil is also used to wash screens in final cooler and to periodically wash both main and light oil regenerators.

As required by 40 CFR 61 Subpart FF, the emergency contaminated water holding tanks and associated vent system at USS Clairton Works came under this program in August 1992. This Subpart provides a benzene leak definition from closed vent systems and storage tanks, and sets recovery efficiencies of control systems.

2.0 METHODOLOGIES

Summaries of the record keeping requirements, leak detection monitoring requirements, and initial and subsequent semiannual reporting requirements pertaining to 40 CFR 61, Subparts J and V can be found in the Appendix. Specific aspects of these requirements are described below.

2.1 Identification of Equipment in Benzene Service

Inasmuch as the operation of the by-product processes require continual process piping maintenance which may involve physical changes in the processes, the program requires a thorough review of the operations to ensure that all equipment in benzene service is recognized and monitored.

2.2 Monitoring of Equipment in Benzene Service

Monitoring of equipment in benzene service was performed in accordance with EPA Reference Method 21, Determination of Volatile Organic Compound Leaks. This method describes the selection and calibration of monitoring equipment as well as procedures used in the actual monitoring.

A Thermo Environmental Instruments, Inc. Model A-580S Intrinsically Safe Organic Vapor Meter was used for monitoring. The unit is equipped with a photoionization detector (PID) and an 11.8 eV source. It requires no fuel or other gases to operate. A gas standard containing approximately 10,000 ppmv hexane in nitrogen was used for instrument calibration. Other concentration standards were prepared by diluting the hexane gas standard with known volumes of air. Three-point calibrations were conducted at the

beginning of each day of monitoring and a one-point verification was conducted at the end of the monitoring day.

All accessible components were monitored on a monthly, quarterly, semiannual, or annual basis as required by the applicable Subparts (at the request of USS Clairton Works, the alternative monitoring plans described in these Subparts are not followed). It should be noted that many major components, such as Axi Compressors, regenerators, and final coolers, are not in service at all times due to intermittent use. Monitoring of these components is carried out only if the equipment is in service at the time of monitoring.

Depending on the particular piece of equipment monitored, a leak is defined, in general, as any emission which results in a monitor reading greater than or equal to either 500 ppmv or 10,000 ppmv (as hexane), or any visible leak. Any leaking components must have the initial repair attempted within 5 days of the determination; final repairs must be completed within 15 days of the determination.

3.0 RESULTS

As shown in Table 1, for the period January 1994 through June 1994, 23 components in benzene service were found to be leaking. The monitoring log sheets, field data sheets, and calibration data can be found in the Appendix.

USS Clairton Works
Clairton, Pennsylvania

Table 1

Sumary of Leaking Components
January 1994 through June 1994

Group	Tag	Control Room	USX ID	Figure	Type Equipment	Description	First Date	First PPM	Second Date	Second PPM
F	075	2	P619B/623		Pump Seal	Pump Seal	01/26/94	> 10,000		
		2	V604		Valve	Valve past check valve on LO Decanter	01/26/94	> 10,000		
B	86	1	D202	19	Relief Device	Relief Valve D 202	03/04/94	4500	03/04/94	< 500
D	427	2	Quad Wash	65	Valve	Light Oil Valve	03/04/94	> 10,000		
D	428	2	Quad Wash	65	Valve	Light Oil Valve	03/04/94	> 10,000		
F	076	2	P619A		Pump	Light Oil Transfer Pump Seal	03/04/94	> 10,000		
E	98	2	LCV6121		Valve	Transfer Line Control Valve	03/04/94	> 10,000 V		
E	064	2	R582		Valve	Loading gas valve (no action)	03/04/94	> 10,000		
F	479	-	North Tank	82	Relief Device	Relief to vent system	03/30/94	> 10,000	07/01/94	> 500
B	102	1	203 Valve		Valve	Inlet line to 203 light oil valve	04/01/94	> 10,000		
B	164	1	Super Still		Flange	Super Still spiral #9 Flange outlet	04/01/94	visible		
F	054	2	D624	62	Separator	D624 Inlet Cleanout (no action)	04/01/94	2400		
E	077	2	R584		Valve	R584 loading valve cleanout	04/01/94	>10,000		
F	298	2	sub2recycle		Flange	Inlet flange leak on sub2 recycle	04/01/94	> 10,000 V		
E	293	2	E639	59	Relief Device	D 605 Relief Valve	04/25/94	900		
E	264	2	E640	59	Heat Exchanger	E640 Gas Inlet cleanout	04/25/94	2000		
		2	P207D		Pump Seal	Rear pump seal P207D	05/31/94	> 10,000		
B	090	1	D203	19	Relief Device	D203 LO Decanter relief valve	05/31/94	> 500		
B	086	1	D202	19	Relief Device	D202 LO decanter releif valve	05/31/94	> 500		
		-	North Tank	82	Waste Water Tank	Manway between F551 and F479	07/01/94	> 500		
F	551	-	North Tank	82	Waste Water Tank	Top, North water tank	07/01/94	> 500		
F	550	-	North Tank	82	Waste Water Tank	Top, North water tank	07/01/94	> 500		
F	597	-	North Tank	82	Waste Water Tank	Top, North water tank	07/01/94	> 500		
							Total Leaks	23		

V=Visible O=Odor

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LEAK DETECTION AND REPAIR OF EQUIPMENT IN BENZENE SERVICE FOR THE PERIOD JANUARY 1994 THROUGH JUNE 1994

USS CLAIRTON WORKS
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CLAIRTON, PENNSYLVANIA

APPENDIX

MONITORING LOG SHEETS, FIELD DATA SHEETS, CALIBRATION DATA

ATS
ADVANCED TECHNOLOGY SYSTEMS, INC.

40 CFR 61 Subpart L
National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants

1. Record Keeping Requirements Pertaining to the Design of Control Equipment (records must be stored in a readily accessible location for at least 2 years)

   (a) Detailed schematics, design specifications, and piping and instrumentation diagrams

   (b) Dates and descriptions of any changes in (a)

   (c) Dates of fugitive monitoring and maintenance inspections and names of firms conducting these activities

   (d) Descriptions of any visible defects in source or control equipment, method and date of repair

   (e) Leaks detected, dates of attempted and actual repair, method of repair

   (f) Descriptions of other system abnormalities

2. Initial Reporting Requirements

   (a) Type of source

   (b) For equipment in benzene service: equipment and process unit I.D., percent by weight of benzene in fluid at the equipment, process fluid state in the equipment (gas/vapor or liquid) - Equipment in vacuum service also must be identified

   (c) Method of compliance (e.g. gas blanketing, monthly leak detection and repair)

3. Subsequent Semiannual Reporting Requirements

   (a) Descriptions of any visible source defects

   (b) Number of leaks detected and repaired

   (c) Descriptions of any system abnormalities found and repairs made

   (d) Revisions to 2.

ATS

40 CFR 61 Subpart L
National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants

Applicable Sources
tar decanters, tar storage tanks, tar-intercepting sumps, flushing-liquor circulation tanks, light-oil sumps, light-oil condensers, light-oil decanters, wash-oil decanters, wash-oil circulation tanks, naphthalene processing, final coolers, final-cooler cooling towers, benzene storage tanks, BTX storage tanks, light-oil storage tanks, excess ammonia-liquor storage tanks

Applicable Equipment in Benzene Service
valves, exhausters, pressure relief devices, sampling connection systems, open-ended valves or lines, flanges or other connectors, control devices or systems

Unit	Leak Definition	Frequency of Monitoring	Leak Repair Requirement
Process Vessels, Storage Tanks, Tar-intercepting Sumps (Section 61.132) (Excludes those units with closed-vent system and carbon adsorbers)	> 500 ppmv	Semiannual & any other time after control system is repressurized w/ blanketing gas following removal of cover or opening of access hatch Maintenance inspection of the control system required annually	1st attempt of repair within 5 days; Final repairs within 15 days
Light-Oil Sumps (Section 61.133)	Ibid.	Ibid.	Ibid.
Naphthalene Processing, Final Coolers, Final-Cooler Cooling Towers	No ("Zero") Emissions		
Exhausters (excluding those units in vacuum service - Section 61.135)	> 10,000 ppmv	Quarterly	1st attempt of repair within 5 days; Final repairs within 15 days

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40 CFR 61 Subpart V
National Emission Standard for Equipment Leaks (Fugitive Emissions Sources)

1. Record Keeping Requirements Pertaining to Detected Leaks (records must be stored in a readily accessible location for at least 2 years)

   (a) Leaking source must be identified with weatherproof and readily visible tag; tag must not be removed until leak is repaired (valves excluded)

   (b) Tag on leaking value may be removed after it has been monitored for 2 consecutive months and no leaks were detected during these months

   (c) Dates of fugitive monitoring and names of firms conducting these activities

   (d) Leaking component I.D., dates of attempted and actual repair, method of repair

   (e) Reasons for delays of any repairs, date of expected and actual repair

2. Record Keeping Requirements for Sources Subject to this Subpart (records must be stored in a readily accessible location for at least 2 years)

   (a) Identification of all applicable components

   (b) List of all equipment in vacuum service

   (c) List of all "difficult-to-monitor" values, explanation, planned monitoring schedule

   (d) List of all "unsafe-to-monitor" values, explanation, planned monitoring schedule

3. Initial Reporting Requirements

   (a) For equipment in VHAP service: type of equipment, equipment and process unit I.D., percent by weight of VHAP in fluid at the equipment, process fluid state in the equipment (gas/vapor or liquid)

   (b) Method of compliance (e.g. gas blanketing, monthly leak detection and repair)

4. Subsequent Semiannual Reporting Requirements

   (a) Process unit I.D.

   (b) Number of leaks detected

   (c) Leaks not repaired and explanation

   (d) Dates of process unit shutdown

   (e) Revisions to 3.

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40 CFR 61 Subpart V
National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Applicable Sources in VHAP Service (excluding those units in vacuum service)
valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines, flanges or other connectors, product accumulator vessels, control devices or systems

Unit	Leak Definition	Frequency of Monitoring	Leak Repair Requirement
Pumps (Section 61.242-2)	> 10,000 ppmv Visible Drippings from Pump Seals	Monthly Weekly unless pump is located within boundary of unmanned plant site - then as often as practical (at least monthly)	1st attempt of repair within 5 days; final repairs within 15 days
Pressure Relief Devices in Gas/Vapor Service (Section 61.242-4)	> 500 ppmv above background	Within 5 days after pressure release	
Sampling Connecting Systems (Section 61.242-5)	"Zero" VHAP Emissions	Must be equipped w/ closed-purge or closed vent system	
Open-Ended Valves or Lines (Section 61.242-6)		Shall be equipped with cap, blind flange, plug, or 2nd valve to seal open end	

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40 CFR 61 Subpart V
National Emission Standard for Equipment Leaks (Fugitive Emission Sources)

Applicable Sources in VHAP Service (excluding those units in vacuum service)
valves, compressors, pressure relief devices, sampling connection systems, open-ended valves or lines, flanges or other connectors, product accumulator vessels, control devices or systems

Unit	Leak Definition	Frequency of Monitoring	Leak Repair Requirement
Valves (Section 61.242-7)	> 10,000 ppmv	Monthly - No leak for 2 consecutive months ---> Monitor 1st month of each quarter until leak detected, then monitor monthly	1st attempt of repair within 5 days; final repairs within 15 days
Except those which are "unsafe-to-monitor"	> 10,000 ppmv	As frequent as practical during "safe-to-monitor" periods (written plan)	Ibid.
Except those which are "difficult-to-monitor"	> 10,000 ppmv	At least annually (written plan)	Ibid.
Pressure Relief Devices in Liquid Service and Flanges and Other Connectors (Section 61.242-8)	> 10,000 ppmv	Within 5 days if evidence of a potential leak is found by visual, audible, olfactory, or other detection method	Ibid.

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USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
01/26/94	0945	000000	13.9		CALIBRATION
01/26/94	0946	000001	961		CALIBRATION
01/26/94	0946	000002	0		CALIBRATION
01/26/94	0946	000003	1018		CALIBRATION
01/26/94	0947	000004	13.9		CALIBRATION
01/26/94	0947	000005	982		CALIBRATION
01/26/94	0949	000006	0		CALIBRATION
01/26/94	0949	000007	477		CALIBRATION
01/26/94	0950	000008	13.9		CALIBRATION
01/26/94	0950	000009	456		CALIBRATION
01/26/94	0951	000010	0		CALIBRATION
01/26/94	0951	000011	491		CALIBRATION
01/26/94	0952	000012	0		CALIBRATION
01/26/94	0952	000013	>10,000	OVER RANGE	CALIBRATION
01/26/94	0954	000014	0		CALIBRATION
01/26/94	0954	000015	>10,000	OVER RANGE	CALIBRATION
01/26/94	0954	000016	0		CALIBRATION
01/26/94	0955	000017	>10,000	OVER RANGE	CALIBRATION
01/26/94	1126	000018	0		SOUTH CARBON DRUM
01/26/94	1126	000019	74.2		
01/26/94	1127	000020	139		
01/26/94	1127	000021	55.7		
01/26/94	1128	000022	111		
01/26/94	1129	000023	78.9		
01/26/94	1130	000024	83.5		
01/26/94	1130	000025	111		
01/26/94	1131	000026	218		
01/26/94	1131	000027	139		
01/26/94	1131	000028	153		
01/26/94	1132	000029	55.7		NORTH CARBON DRUM
01/26/94	1133	000030	55.7		
01/26/94	1133	000031	27.8		
01/26/94	1137	000032	>10,000	OVER RANGE	INLET
01/26/94	1327	000033	9.2		CONTROL ROOM 1
01/26/94	1327	000034	13.9		
01/26/94	1329	000035	92.8		
01/26/94	1331	000036	0		
01/26/94	1332	000037	55.7		
01/26/94	1334	000038	0		
01/26/94	1334	000039	0		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
01/26/94	1335	000040	0		
01/26/94	1335	000041	0		
01/26/94	1335	000042	9.2		
01/26/94	1336	000043	0		
01/26/94	1336	000044	4.6		
01/26/94	1337	000045	13.9		
01/26/94	1339	000046	0		
01/26/94	1339	000047	0		
01/26/94	1340	000048	0		
01/26/94	1340	000049	27.8		
01/26/94	1340	000050	0		
01/26/94	1341	000051	0		
01/26/94	1341	000052	4.6		
01/26/94	1341	000053	0		
01/26/94	1343	000054	0		
01/26/94	1343	000055	4.6		
01/26/94	1343	000056	0		
01/26/94	1344	000057	0		
01/26/94	1357	000058	0		CONTROL ROOM 2
01/26/94	1357	000059	0		
01/26/94	1358	000060	0		
01/26/94	1359	000061	0		
01/26/94	1400	000062	0		
01/26/94	1401	000063	0		
01/26/94	1402	000064	0		
01/26/94	1403	000065	0		
01/26/94	1404	000066	0		
01/26/94	1405	000067	0		
01/26/94	1405	000068	0		
01/26/94	1406	000069	0		
01/26/94	1406	000070	102		
01/26/94	1407	000071	1055		F 143
01/26/94	1409	000072	0		
01/26/94	1412	000073	>10,000	OVER RANGE	F 075
01/26/94	1415	000074	27.8		
01/26/94	1415	000075	18.5		
01/26/94	1415	000076	13.9		
01/26/94	1415	000077	27.8		
01/26/94	1416	000078	13.9		
01/26/94	1416	000079	13.9		
01/26/94	1416	000080	27.8		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
01/26/94	1420	000081	0		
01/26/94	1420	000082	0		
01/26/94	1421	000083	0		
01/26/94	1421	000084	>10,000	OVER RANGE F 089	
01/26/94	1422	000085	4.6		
01/26/94	1423	000086	13.9		
01/26/94	1424	000087	0		
01/26/94	1424	000088	9.2		
01/26/94	1424	000089	4.6		
01/26/94	1426	000090	1383	OVER RANGE E 250	
01/26/94	1427	000091	13.9		
01/26/94	1427	000092	27.8		
01/26/94	1428	000093	0		
01/26/94	1428	000094	13.9		
01/26/94	1428	000095	4.6		
01/26/94	1428	000096	4.6		
01/26/94	1428	000097	9.2		
01/26/94	1429	000098	0		
01/26/94	1429	000099	13.9		
01/26/94	1429	000100	4.6		
01/26/94	1429	000101	13.9		
01/26/94	1429	000102	9.2		
01/26/94	1430	000103	909	OVER RANGE E 263	
01/26/94	1431	000104	0		
01/26/94	1431	000105	0		
01/26/94	1432	000106	0		
01/26/94	1432	000107	0		
01/26/94	1432	000108	13.9		
01/26/94	1432	000109	4.6		
01/26/94	1433	000110	1263	OVER RANGE E 94	
01/26/94	1438	000111	65		BACKGROUND
01/26/94	1438	000112	55.7		
01/26/94	1438	000113	41.7		
01/26/94	1438	000114	55.7		
01/26/94	1439	000115	55.7		
01/26/94	1439	000116	41.7		
01/26/94	1439	000117	41.7		
01/26/94	1439	000118	41.7		
01/26/94	1439	000119	41.7		
01/26/94	1439	000120	41.7		
01/26/94	1440	000121	55.7		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
01/26/94	1440	000122	41.7		
01/26/94	1441	000123	27.8		
01/26/94	1442	000124	13.9		
01/26/94	1442	000125	27.8		
01/26/94	1442	000126	13.9		
01/26/94	1442	000127	13.9		
01/26/94	1444	000128	13.9		
01/26/94	1444	000129	13.9		
01/26/94	1444	000130	13.9		
01/26/94	1445	000131	27.8		
01/26/94	1445	000132	13.9		
01/26/94	1445	000133	0		
01/26/94	1445	000134	13.9		
01/26/94	1446	000135	13.9		
01/26/94	1448	000136	13.9		
01/26/94	1448	000137	1263		
01/26/94	1449	000138	13.9		
01/26/94	1450	000139	397		E 123 R 590 LOADING VALVE
01/26/94	1451	000140	27.8		
01/26/94	1452	000141	27.8		
01/26/94	1452	000142	13.9		
01/26/94	1452	000143	27.8		
01/26/94	1452	000144	27.8		
01/26/94	1603	000145	>10,000	OVER RANGE	POST CHECK
01/26/94	1604	000146	27.8		POST CHECK
01/26/94	1604	000147	13.9		POST CHECK
01/26/94	1604	000148	>10,000	OVER RANGE	POST CHECK
01/26/94	1605	000149	13.9		POST CHECK
01/26/94	1605	000150	>10,000	OVER RANGE	POST CHECK

OVER RANGE: 2000 TO 9999 PPMV RANGE

BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: P619B/623 F15 Date Tested: 1-26-94

Location: At Pump Seal (Light oil Transphen Pump Area)

Results: >10,000 ppm Operator: MG & AL

Initial Action (5 Days)

Date Completed: _____

Activity:

_____

_____

_____

_____ Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

_____

_____

_____ Authorized Signature: _____

Additional Monitoring

2nd Month:	Date: _____	Reading: _____
Quarter 1	Date: _____	Reading: _____
Quarter 2	Date: _____	Reading: _____
Quarter 3	Date: _____	Reading: _____
Quarter 4	Date: _____	Reading: _____
Quarter 5	Date: _____	Reading: _____

Additional Information and Comment

_____

_____

_____

_____

_____

ECBY BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: V604, Valve on top V604 Date Tested: 1/26/94

Location: Valve past check Valve on Decanter Light oil/water #V604

Results: >10,000 ppm Operator: AL MG

Initial Action (5 Days) (Note valve was open)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Additional Monitoring

2nd Month:	Date:	Reading:
Quarter 1	Date:	Reading:
Quarter 2	Date:	Reading:
Quarter 3	Date:	Reading:
Quarter 4	Date:	Reading:
Quarter 5	Date:	Reading:

Additional Information and Comment

1-26-94
USX

OVA Calibration

965 ppm
Mid Range 965 PPS

Flow 3 sd

Zero	Reading	Response Time (sec)
0	961	3
0	982	4
0	994	4

490 ppm
Low Range

Zero	Reading	Response Time (sec)
0	477	5
0	491	5
0	491	5

10400 ppm

Zero	Reading	Response Time (sec)
0	10292	3
0	10456	3
0	10498	3

POST test 10400 ppmv

13.9	10478
9.2	10780
13.9	10813
↑	↑
Zero	Reading

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/04/94	0939	000000	0		CALIBRATION
03/04/94	0940	000001	963		CALIBRATION
03/04/94	0940	000002	0		CALIBRATION
03/04/94	0940	000003	965		CALIBRATION
03/04/94	0940	000004	16.3		CALIBRATION
03/04/94	0941	000005	1005		CALIBRATION
03/04/94	0946	000006	0		CALIBRATION
03/04/94	0946	000007	471		CALIBRATION
03/04/94	0947	000008	0		CALIBRATION
03/04/94	0947	000009	447		CALIBRATION
03/04/94	0947	000010	0		CALIBRATION
03/04/94	0948	000011	447		CALIBRATION
03/04/94	0949	000012	5.4		CALIBRATION
03/04/94	0949	000013	>10,000	OVER RANGE	CALIBRATION
03/04/94	0950	000014	0		CALIBRATION
03/04/94	0950	000015	>10,000	OVER RANGE	CALIBRATION
03/04/94	0951	000016	16.3		CALIBRATION
03/04/94	0951	000017	>10,000	OVER RANGE	CALIBRATION
03/04/94	1154	000018	0		CONTROL ROOM 1
03/04/94	1155	000019	5.4		
03/04/94	1155	000020	5.4		
03/04/94	1156	000021	5.4		
03/04/94	1200	000022	8100	OVER RANGE	B 086
03/04/94	1203	000023	32.6		
03/04/94	1203	000024	32.6		
03/04/94	1203	000025	32.6		
03/04/94	1207	000026	16.3		
03/04/94	1208	000027	0		
03/04/94	1209	000028	16.3		
03/04/94	1209	000029	10.8		
03/04/94	1209	000030	0		
03/04/94	1210	000031	0		
03/04/94	1210	000032	10.8		
03/04/94	1211	000033	0		
03/04/94	1211	000034	16.3		
03/04/94	1213	000035	10.8		
03/04/94	1213	000036	16.3		
03/04/94	1215	000037	5.4		
03/04/94	1215	000038	0		
03/04/94	1216	000039	0		
03/04/94	1216	000040	16.3		
03/04/94	1217	000041	147		
03/04/94	1222	000042	5.4		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/04/94	1222	000043	5.4		
03/04/94	1223	000044	10.8		
03/04/94	1223	000045	16.3		
03/04/94	1224	000046	5.4		
03/04/94	1224	000047	5.4		
03/04/94	1225	000048	0		
03/04/94	1238	000049	343		
03/04/94	1240	000050	7769	OVER RANGE D 427	
03/04/94	1241	000051	>10,000	OVER RANGE D 428	
03/04/94	1243	000052	49		
03/04/94	1246	000053	0		
03/04/94	1247	000054	16.3		
03/04/94	1247	000055	32.6		
03/04/94	1248	000056	16.3		
03/04/94	1248	000057	76.2		
03/04/94	1250	000058	>10,000	OVER RANGE F 143	
03/04/94	1257	000059	98		
03/04/94	1258	000060	43.5		
03/04/94	1259	000061	32.6		
03/04/94	1300	000062	>10,000	OVER RANGE F 76	
03/04/94	1301	000063	9939	OVER RANGE	
03/04/94	1308	000064	32.6		
03/04/94	1308	000065	49		
03/04/94	1309	000066	43.5		
03/04/94	1309	000067	38.1		
03/04/94	1310	000068	32.6		
03/04/94	1310	000069	32.6		
03/04/94	1312	000070	16.3		
03/04/94	1313	000071	27.2		
03/04/94	1313	000072	32.6		
03/04/94	1313	000073	16.3		
03/04/94	1313	000074	32.6		
03/04/94	1314	000075	43.5		
03/04/94	1314	000076	32.6		
03/04/94	1314	000077	16.3		
03/04/94	1314	000078	32.6		
03/04/94	1315	000079	70.8		
03/04/94	1315	000080	49		
03/04/94	1315	000081	32.6		
03/04/94	1315	000082	32.6		
03/04/94	1316	000083	32.6		
03/04/94	1316	000084	16.3		
03/04/94	1317	000085	>10,000	OVER RANGE F 098	
03/04/94	1320	000086	32.6		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/04/94	1321	000087	16.3		
03/04/94	1324	000088	32.6		
03/04/94	1325	000089	32.6		
03/04/94	1326	000090	32.6		
03/04/94	1326	000091	16.3		
03/04/94	1326	000092	32.6		
03/04/94	1326	000093	27.2		
03/04/94	1326	000094	21.7		
03/04/94	1327	000095	16.3		
03/04/94	1328	000096	5.4		
03/04/94	1330	000097	32.6		
03/04/94	1330	000098	16.3		
03/04/94	1330	000099	49		
03/04/94	1330	000100	49		
03/04/94	1331	000101	16.3		
03/04/94	1331	000102	16.3		
03/04/94	1331	000103	32.6		
03/04/94	1332	000104	16.3		
03/04/94	1333	000105	16.3		
03/04/94	1334	000106	16.3		
03/04/94	1334	000107	16.3		
03/04/94	1335	000108	16.3		
03/04/94	1335	000109	0		
03/04/94	1335	000110	16.3		
03/04/94	1335	000111	10.8		
03/04/94	1336	000112	10.8		
03/04/94	1336	000113	16.3		
03/04/94	1336	000114	0		
03/04/94	1338	000115	16.3		
03/04/94	1339	000116	627	OVER RANGE E 123	
03/04/94	1340	000117	32.6		
03/04/94	1341	000118	>10,000	OVER RANGE E 064	
03/04/94	1344	000119	43.5		
03/04/94	1344	000120	81.7		
03/04/94	1346	000121	32.6		
03/04/94	1454	000122	0		POST CHECK
03/04/94	1454	000123	>10,000	OVER RANGE	POST CHECK
03/04/94	1455	000124	0		POST CHECK
03/04/94	1455	000125	>10,000	OVER RANGE	POST CHECK
03/04/94	1456	000126	16.3		POST CHECK
03/04/94	1456	000127	>10,000	OVER RANGE	POST CHECK

OVER RANGE: 2000 TO 9999 PPMV RANGE

BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: B-086 Date Tested: 3/4/94

Location: D-202 Relief Valve D-202 Light oil TANK

Results: 4500ppm >500 Operator: AGL

Initial Action (5 Days)

Date Completed: _____

Activity:

_____

_____

_____

_____ Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

_____

_____

_____ Authorized Signature: _____

Additional Monitoring

2nd Month:	Date: _____	Reading: _____
Quarter 1	Date: _____	Reading: _____
Quarter 2	Date: _____	Reading: _____
Quarter 3	Date: _____	Reading: _____
Quarter 4	Date: _____	Reading: _____
Quarter 5	Date: _____	Reading: _____

Additional Information and Comment

_____

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BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: D-457 427 Date Tested: 3/4/94

Location: Light oil valve's that wash Quads with Cross Road

Results: >10,000 Operator: AGL&MG

Initial Action (5 Days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Additional Monitoring

2nd Month:	Date:	Reading:
Quarter 1	Date:	Reading:
Quarter 2	Date:	Reading:
Quarter 3	Date:	Reading:
Quarter 4	Date:	Reading:
Quarter 5	Date:	Reading:

Additional Information and Comment

BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: D-428 Date Tested: 3/4/94

Location: Light Oil Valve's That Wash Quad with Across Road

Results: >10,000 Operator: AGLSMG

Initial Action (5 Days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Additional Monitoring

2nd Month:	Date: _____	Reading: _____
Quarter 1	Date: _____	Reading: _____
Quarter 2	Date: _____	Reading: _____
Quarter 3	Date: _____	Reading: _____
Quarter 4	Date: _____	Reading: _____
Quarter 5	Date: _____	Reading: _____

Additional Information and Comment

_____

BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: F-143 Date Tested: 3/4/94

Location: CONTROL VALVE USS TAG NUMBER VL5753

Results: >10,000ppm Operator: AGL-MG

Initial Action (5 Days)

(VALVE BELOW D-575 SUB GAS SEPARATOR)

Date Completed: _____

Activity:

Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

Authorized Signature: _____

Additional Monitoring

2nd Month:	Date:	Reading:
Quarter 1	Date:	Reading:
Quarter 2	Date:	Reading:
Quarter 3	Date:	Reading:
Quarter 4	Date:	Reading:
Quarter 5	Date:	Reading:

Additional Information and Comment

BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: Pump P619A F76 Date Tested: 3/4/94

Location: Light OIL TRANSFER pump SEAL

Results: >10,000ppm Operator: AGL & MG

Initial Action (5 Days)

Date Completed: _____

Activity:

_____

_____

_____

_____ Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

_____

_____

_____ Authorized Signature: _____

Additional Monitoring

2nd Month:	Date: _____	Reading: _____
Quarter 1	Date: _____	Reading: _____
Quarter 2	Date: _____	Reading: _____
Quarter 3	Date: _____	Reading: _____
Quarter 4	Date: _____	Reading: _____
Quarter 5	Date: _____	Reading: _____

Additional Information and Comment

_____

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BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: E-098 Date Tested: 3/4/94

Location: LCV-6121 Transfer Line Control Valve ~~Lo Decanter Lo Level Control Valve~~

Results: >10,000 & visible Operator: AGL & MG

Initial Action (5 Days)

Date Completed: _____

Activity:

_____

_____

_____

_____ Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

_____

_____

_____ Authorized Signature: _____

Additional Monitoring

2nd Month:	Date: _____	Reading: _____
Quarter 1	Date: _____	Reading: _____
Quarter 2	Date: _____	Reading: _____
Quarter 3	Date: _____	Reading: _____
Quarter 4	Date: _____	Reading: _____
Quarter 5	Date: _____	Reading: _____

Additional Information and Comment

_____

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_____

_____

_____

BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: E-064 Date Tested: 3/4/94

Location: R-582 Loading Gas Valve

Results: >10,000 ppm Operator: AGL & MG

Initial Action (5 Days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Additional Monitoring

2nd Month:	Date: _____	Reading: _____
Quarter 1	Date: _____	Reading: _____
Quarter 2	Date: _____	Reading: _____
Quarter 3	Date: _____	Reading: _____
Quarter 4	Date: _____	Reading: _____
Quarter 5	Date: _____	Reading: _____

Additional Information and Comment

_____

OVA Calibration

3-4-94

Zero	Reading	Response Time (sec)	Flow 301
0	965	3	964 ppmv
0	965	3	
0	964	3	

505 ppmv	Reading	Response Time (sec)
Zero 0	471	3
0	479	3
0	487	4

10400 ppmv	Reading	Response Time (sec)
Zero 5.4	10767	2
0	10687	2
0	10517	2

Post Test	Reading
Zero 0	10878
0	10022
0	10076

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/30/94	0954	000000	0		CALIBRATION
03/30/94	0954	000001	1194		CALIBRATION
03/30/94	0955	000002	0		CALIBRATION
03/30/94	0955	000003	1230		CALIBRATION
03/30/94	0955	000004	0		CALIBRATION
03/30/94	0956	000005	1182		CALIBRATION
03/30/94	0957	000006	1090		CALIBRATION
03/30/94	1003	000007	0		CALIBRATION
03/30/94	1003	000008	513		CALIBRATION
03/30/94	1004	000009	0		CALIBRATION
03/30/94	1004	000010	504		CALIBRATION
03/30/94	1004	000011	0		CALIBRATION
03/30/94	1004	000012	0		CALIBRATION
03/30/94	1005	000013	504		CALIBRATION
03/30/94	1006	000014	0		CALIBRATION
03/30/94	1006	000015	>10,000	OVER RANGE	CALIBRATION
03/30/94	1006	000016	16.9		CALIBRATION
03/30/94	1006	000017	>10,000	OVER RANGE	CALIBRATION
03/30/94	1007	000018	0		CALIBRATION
03/30/94	1007	000019	>10,000	OVER RANGE	CALIBRATION
03/30/94	1342	000020	16.9		WASTE WATER TANKS
03/30/94	1343	000021	0		
03/30/94	1343	000022	5.6		
03/30/94	1343	000023	16.9		
03/30/94	1344	000024	5.6		
03/30/94	1344	000025	0		
03/30/94	1345	000026	11.3		
03/30/94	1345	000027	39.5		
03/30/94	1345	000028	62.1		
03/30/94	1346	000029	16.9		
03/30/94	1346	000030	5.6		
03/30/94	1346	000031	0		
03/30/94	1346	000032	16.9		
03/30/94	1347	000033	0		
03/30/94	1347	000034	33.9		
03/30/94	1347	000035	79.1		
03/30/94	1348	000036	28.2		
03/30/94	1348	000037	50.8		
03/30/94	1349	000038	0		
03/30/94	1349	000039	0		
03/30/94	1350	000040	445		
03/30/94	1350	000041	56.5		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/30/94	1350	000042	16.9		
03/30/94	1352	000043	16.9		
03/30/94	1353	000044	84.8		
03/30/94	1354	000045	33.9		
03/30/94	1354	000046	67.8		
03/30/94	1354	000047	96.1		
03/30/94	1355	000048	0		
03/30/94	1355	000049	16.9		
03/30/94	1355	000050	0		
03/30/94	1356	000051	0		
03/30/94	1356	000052	0		
03/30/94	1357	000053	5.6		
03/30/94	1357	000054	16.9		
03/30/94	1357	000055	226		
03/30/94	1358	000056	576		
03/30/94	1359	000057	271		
03/30/94	1359	000058	33.9		
03/30/94	1359	000059	22.6		
03/30/94	1400	000060	33.9		
03/30/94	1400	000061	16.9		
03/30/94	1400	000062	16.9		
03/30/94	1402	000063	16.9		
03/30/94	1402	000064	16.9		
03/30/94	1403	000065	16.9		
03/30/94	1404	000066	5.6		
03/30/94	1404	000067	0		
03/30/94	1404	000068	16.9		
03/30/94	1404	000069	0		
03/30/94	1405	000070	5.6		
03/30/94	1405	000071	11.3		
03/30/94	1405	000072	5.6		
03/30/94	1406	000073	0		
03/30/94	1406	000074	16.9		
03/30/94	1406	000075	5.6		
03/30/94	1407	000076	0		
03/30/94	1407	000077	11.3		
03/30/94	1408	000078	16.9		
03/30/94	1409	000079	>10,000	OVER RANGE	
03/30/94	1410	000080	0		
03/30/94	1412	000081	0		
03/30/94	1413	000082	0		
03/30/94	1413	000083	11.3		
03/30/94	1414	000084	0		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/30/94	1417	000085	16.9		
03/30/94	1421	000086	67.8		
03/30/94	1421	000087	28.2		
03/30/94	1422	000088	0		
03/30/94	1422	000089	11.3		
03/30/94	1423	000090	16.9		
03/30/94	1424	000091	5.6		
03/30/94	1424	000092	0		
03/30/94	1425	000093	5.6		
03/30/94	1425	000094	0		
03/30/94	1425	000095	5.6		
03/30/94	1426	000096	0		
03/30/94	1426	000097	0		
03/30/94	1427	000098	16.9		
03/30/94	1427	000099	0		
03/30/94	1427	000100	0		
03/30/94	1427	000101	0		
03/30/94	1428	000102	0		
03/30/94	1428	000103	5.6		
03/30/94	1428	000104	0		
03/30/94	1429	000105	0		
03/30/94	1429	000106	5.6		
03/30/94	1430	000107	0		
03/30/94	1430	000108	5.6		
03/30/94	1430	000109	0		
03/30/94	1430	000110	5.6		
03/30/94	1431	000111	0		
03/30/94	1431	000112	5.6		
03/30/94	1431	000113	0		
03/30/94	1432	000114	0		
03/30/94	1432	000115	0		
03/30/94	1433	000116	0		
03/30/94	1433	000117	0		
03/30/94	1433	000118	0		
03/30/94	1433	000119	0		
03/30/94	1434	000120	0		
03/30/94	1434	000121	0		
03/30/94	1434	000122	0		
03/30/94	1435	000123	0		
03/30/94	1435	000124	0		
03/30/94	1435	000125	0		
03/30/94	1435	000126	0		
03/30/94	1436	000127	0		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/30/94	1437	000128	0		
03/30/94	1437	000129	0		
03/30/94	1437	000130	16.9		
03/30/94	1437	000131	16.9		
03/30/94	1437	000132	0		
03/30/94	1438	000133	0		
03/30/94	1439	000134	0		
03/30/94	1439	000135	0		
03/30/94	1439	000136	5.6		
03/30/94	1439	000137	0		
03/30/94	1439	000138	0		
03/30/94	1440	000139	0		
03/30/94	1440	000140	5.6		
03/30/94	1440	000141	0		
03/30/94	1440	000142	5.6		
03/30/94	1441	000143	0		
03/30/94	1441	000144	16.9		
03/30/94	1441	000145	0		
03/30/94	1442	000146	5.6		
03/30/94	1448	000147	0		
03/30/94	1448	000148	0		
03/30/94	1448	000149	0		
03/30/94	1448	000150	0		
03/30/94	1448	000151	5.6		
03/30/94	1449	000152	0		
03/30/94	1449	000153	0		
03/30/94	1449	000154	0		
03/30/94	1452	000155	0		
03/30/94	1452	000156	0		
03/30/94	1452	000157	0		
03/30/94	1452	000158	0		
03/30/94	1453	000159	0		
03/30/94	1453	000160	16.9		
03/30/94	1453	000161	0		
03/30/94	1453	000162	5.6		
03/30/94	1454	000163	0		
03/30/94	1454	000164	16.9		
03/30/94	1455	000165	0		
03/30/94	1456	000166	5.6		
03/30/94	1456	000167	0		
03/30/94	1456	000168	0		
03/30/94	1459	000169	0		
03/30/94	1501	000170	5.6		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/30/94	1514	000171	0		
03/30/94	1514	000172	16.9		
03/30/94	1514	000173	0		
03/30/94	1515	000174	0		
03/30/94	1515	000175	0		
03/30/94	1517	000176	0		
03/30/94	1522	000177	0		
03/30/94	1523	000178	0		
03/30/94	1523	000179	5.6		
03/30/94	1523	000180	0		
03/30/94	1524	000181	0		
03/30/94	1524	000182	0		
03/30/94	1524	000183	0		
03/30/94	1524	000184	5.6		
03/30/94	1524	000185	0		
03/30/94	1524	000186	5.6		
03/30/94	1525	000187	0		
03/30/94	1525	000188	0		
03/30/94	1525	000189	5.6		
03/30/94	1525	000190	11.3		
03/30/94	1526	000191	0		
03/30/94	1526	000192	0		
03/30/94	1526	000193	0		
03/30/94	1528	000194	16.9		
03/30/94	1528	000195	0		
03/30/94	1528	000196	0		
03/30/94	1529	000197	0		
03/30/94	1529	000198	0		
03/30/94	1530	000199	16.9		
03/30/94	1530	000200	5.6		
03/30/94	1531	000201	0		
03/30/94	1531	000202	0		
03/30/94	1531	000203	0		
03/30/94	1531	000204	0		
03/30/94	1532	000205	0		
03/30/94	1532	000206	5.6		
03/30/94	1532	000207	16.9		
03/30/94	1532	000208	0		
03/30/94	1533	000209	0		
03/30/94	1533	000210	0		
03/30/94	1533	000211	0		
03/30/94	1534	000212	0		
03/30/94	1534	000213	16.9		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/30/94	1535	000214	5.6		
03/30/94	1535	000215	16.9		
03/30/94	1536	000216	0		
03/30/94	1536	000217	0		
03/30/94	1536	000218	0		
03/30/94	1536	000219	0		
03/30/94	1537	000220	0		
03/30/94	1537	000221	0		
03/30/94	1537	000222	5.6		
03/30/94	1537	000223	0		
03/30/94	1538	000224	169		
03/30/94	1538	000225	987		
03/30/94	1539	000226	16.9		
03/30/94	1539	000227	16.9		
03/30/94	1539	000228	11.3		
03/30/94	1540	000229	5.6		
03/30/94	1540	000230	16.9		
03/30/94	1540	000231	0		
03/30/94	1541	000232	11.3		
03/30/94	1541	000233	33.9		
03/30/94	1541	000234	84.7		
03/30/94	1541	000235	11.3		
03/30/94	1542	000236	16.9		
03/30/94	1542	000237	16.9		
03/30/94	1542	000238	16.9		
03/30/94	1542	000239	5.6		
03/30/94	1543	000240	5.6		
03/30/94	1543	000241	5.6		
03/30/94	1543	000242	0		
03/30/94	1544	000243	11.3		
03/30/94	1544	000244	0		
03/30/94	1544	000245	33.9		
03/30/94	1544	000246	16.9		
03/30/94	1545	000247	16.9		
03/30/94	1545	000248	0		
03/30/94	1545	000249	11.3		
03/30/94	1546	000250	0		
03/30/94	1546	000251	5.6		
03/30/94	1546	000252	16.9		
03/30/94	1546	000253	16.9		
03/30/94	1547	000254	0		
03/30/94	1547	000255	0		
03/30/94	1547	000256	16.9		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/30/94	1547	000257	0		
03/30/94	1547	000258	11.3		
03/30/94	1548	000259	16.9		
03/30/94	1548	000260	0		
03/30/94	1548	000261	0		
03/30/94	1549	000262	0		
03/30/94	1549	000263	16.9		
03/30/94	1549	000264	0		
03/30/94	1549	000265	5.6		
03/30/94	1550	000266	0		
03/30/94	1550	000267	0		
03/30/94	1551	000268	135		
03/30/94	1551	000269	33.9		
03/30/94	1552	000270	16.9		
03/30/94	1552	000271	11.3		
03/30/94	1552	000272	16.9		
03/30/94	1552	000273	16.9		
03/30/94	1553	000274	0		
03/30/94	1553	000275	5.6		
03/30/94	1554	000276	5.6		
03/30/94	1554	000277	0		
03/30/94	1554	000278	0		
03/30/94	1554	000279	5.6		
03/30/94	1554	000280	16.9		
03/30/94	1555	000281	0		
03/30/94	1555	000282	0		
03/30/94	1556	000283	0		
03/30/94	1758	000284	5.6		POST CHECK
03/30/94	1758	000285	>10,000	OVER RANGE	POST CHECK
03/30/94	1800	000286	0		POST CHECK
03/30/94	1800	000287	>10,000	OVER RANGE	POST CHECK
03/30/94	1802	000288	5.6		POST CHECK
03/30/94	1802	000289	>10,000	OVER RANGE	POST CHECK
03/30/94	1803	000290	16.9		POST CHECK
03/30/94	1804	000291	>10,000	OVER RANGE	POST CHECK

OVER RANGE: 2000 TO 9999 PPMV RANGE

BENZENE NESHAPS PROGRAM - LEAKING COMPONENT REPORT

Component I.D.: F-479 Date Tested: 3/30/94

Location: TOP OF NORTH TANK CONTAMINATED WATER VENT SYSTEM RELIEF TO VENT SYSTEM

Results: >10,000 Operator: M. C

Initial Action (5 Days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Final Action Taken (15 days)

Date Completed: _____

Activity:

_____

Authorized Signature: _____

Additional Monitoring

2nd Month:	Date: _____	Reading: _____
Quarter 1	Date: _____	Reading: _____
Quarter 2	Date: _____	Reading: _____
Quarter 3	Date: _____	Reading: _____
Quarter 4	Date: _____	Reading: _____
Quarter 5	Date: _____	Reading: _____

Additional Information and Comment

Clinton 3/30/94

Flow cc/min 278

Low Span 499

Zero	Act Reading	
1.) 0.0	503	(4 sec)
2.) 0.0	504	"
3.) 0.0	504	"

Mid Span 1078

Zero	Act Reading	
1.) 0.0	1094	(4 sec)
2.) 0.0	1114	"
3.) 0.0	1082	"

High Span 10,400 ppm Hexane/N_2

Zero	Act Reading	
1.) 0.0	OR 0767	5 sec
2.) 0.0	OR 0767	"
3.) 0.0	OR 0767	"

Post Check 10,400

1.) 0.0	OR 0767	5 sec
2.) 5.6	OR 0767	"
3.) 5.6	OR 0767	"

Log018 PRN
OR TXT

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/31/95	0834	000000	0		CALIBRATION
03/31/95	0835	000001	1045		CALIBRATION
03/31/95	0835	000002	16.2		CALIBRATION
03/31/95	0835	000003	1031		CALIBRATION
03/31/95	0836	000004	0		CALIBRATION
03/31/95	0836	000005	1031		CALIBRATION
03/31/95	0839	000006	0		CALIBRATION
03/31/95	0839	000007	583		CALIBRATION
03/31/95	0840	000008	0		CALIBRATION
03/31/95	0840	000009	556		CALIBRATION
03/31/95	0841	000010	0		CALIBRATION
03/31/95	0841	000011	530		CALIBRATION
03/31/95	0842	000012	0		CALIBRATION
03/31/95	0843	000013	>10,000	OVER RANGE	CALIBRATION
03/31/95	0843	000014	5.4		CALIBRATION
03/31/95	0844	000015	>10,000	OVER RANGE	CALIBRATION
03/31/95	0844	000016	16.2		CALIBRATION
03/31/95	0845	000017	>10,000	OVER RANGE	CALIBRATION
03/31/95	1103	000018	0		CONTROL ROOM 2 AXIES
03/31/95	1106	000019	0		
03/31/95	1107	000020	0		
03/31/95	1107	000021	0		
03/31/95	1108	000022	16.2		
03/31/95	1108	000023	16.2		
03/31/95	1108	000024	0		
03/31/95	1109	000025	0		
03/31/95	1109	000026	0		
03/31/95	1109	000027	5.4		
03/31/95	1110	000028	0		
03/31/95	1110	000029	16.2		
03/31/95	1111	000030	0		
03/31/95	1111	000031	0		
03/31/95	1111	000032	0		
03/31/95	1112	000033	0		
03/31/95	1112	000034	0		
03/31/95	1113	000035	0		
03/31/95	1113	000036	0		
03/31/95	1114	000037	0		
03/31/95	1114	000038	0		
03/31/95	1114	000039	0		
03/31/95	1114	000040	16.2		
03/31/95	1115	000041	0		
03/31/95	1115	000042	0		
03/31/95	1118	000043	0		
03/31/95	1118	000044	0		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/31/95	1119	000045	0		
03/31/95	1119	000046	0		
03/31/95	1119	000047	0		
03/31/95	1119	000048	5.4		
03/31/95	1120	000049	0		
03/31/95	1120	000050	0		
03/31/95	1120	000051	0		
03/31/95	1120	000052	0		
03/31/95	1121	000053	0		
03/31/95	1121	000054	0		
03/31/95	1121	000055	0		
03/31/95	1122	000056	0		
03/31/95	1122	000057	0		
03/31/95	1123	000058	0		
03/31/95	1123	000059	5.4		
03/31/95	1123	000060	0		
03/31/95	1124	000061	0		
03/31/95	1124	000062	0		
03/31/95	1125	000063	0		
03/31/95	1125	000064	0		
03/31/95	1125	000065	0		
03/31/95	1125	000066	0		
03/31/95	1125	000067	0		
03/31/95	1127	000068	43.1		
03/31/95	1127	000069	16.1		
03/31/95	1127	000070	10.8		
03/31/95	1128	000071	16.2		
03/31/95	1128	000072	10.8		
03/31/95	1128	000073	0		
03/31/95	1128	000074	5.4		
03/31/95	1129	000075	16.2		
03/31/95	1129	000076	0		
03/31/95	1130	000077	0		
03/31/95	1131	000078	5.4		
03/31/95	1131	000079	0		
03/31/95	1131	000080	0		
03/31/95	1132	000081	0		
03/31/95	1132	000082	5.4		
03/31/95	1132	000083	0		
03/31/95	1133	000084	0		
03/31/95	1133	000085	0		
03/31/95	1133	000086	0		
03/31/95	1134	000087	0		
03/31/95	1134	000088	0		
03/31/95	1134	000089	0		
03/31/95	1134	000090	5.4		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/31/95	1134	000091	16.2		
03/31/95	1135	000092	0		
03/31/95	1135	000093	0		
03/31/95	1135	000094	0		
03/31/95	1136	000095	0		
03/31/95	1136	000096	0		
03/31/95	1136	000097	5.4		
03/31/95	1137	000098	0		
03/31/95	1139	000099	0		
03/31/95	1139	000100	0		
03/31/95	1140	000101	5.4		
03/31/95	1140	000102	5.4		
03/31/95	1140	000103	5.4		
03/31/95	1141	000104	0		
03/31/95	1141	000105	0		
03/31/95	1141	000106	0		
03/31/95	1142	000107	0		
03/31/95	1142	000108	0		
03/31/95	1143	000109	0		
03/31/95	1143	000110	0		
03/31/95	1143	000111	0		
03/31/95	1144	000112	0		
03/31/95	1145	000113	0		
03/31/95	1145	000114	0		
03/31/95	1145	000115	0		
03/31/95	1147	000116	0		
03/31/95	1147	000117	0		
03/31/95	1148	000118	5.4		
03/31/95	1148	000119	0		
03/31/95	1149	000120	16.2		
03/31/95	1149	000121	0		
03/31/95	1149	000122	0		
03/31/95	1149	000123	0		
03/31/95	1150	000124	0		
03/31/95	1150	000125	0		
03/31/95	1151	000126	0		
03/31/95	1151	000127	0		
03/31/95	1151	000128	0		
03/31/95	1151	000129	0		
03/31/95	1152	000130	0		
03/31/95	1152	000131	0		
03/31/95	1152	000132	16.2		
03/31/95	1153	000133	0		
03/31/95	1153	000134	0		
03/31/95	1153	000135	16.2		
03/31/95	1154	000136	5.4		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/31/95	1154	000137	0		
03/31/95	1154	000138	0		
03/31/95	1154	000139	0		
03/31/95	1155	000140	16.2		
03/31/95	1155	000141	0		
03/31/95	1155	000142	0		
03/31/95	1156	000143	0		
03/31/95	1156	000144	0		
03/31/95	1157	000145	5.4		
03/31/95	1157	000146	0		
03/31/95	1158	000147	0		
03/31/95	1158	000148	0		
03/31/95	1158	000149	0		
03/31/95	1158	000150	0		
03/31/95	1159	000151	0		
03/31/95	1159	000152	0		
03/31/95	1200	000153	0		
03/31/95	1200	000154	0		
03/31/95	1200	000155	0		
03/31/95	1200	000156	0		
03/31/95	1201	000157	0		
03/31/95	1201	000158	5.4		
03/31/95	1202	000159	0		
03/31/95	1202	000160	0		
03/31/95	1203	000161	0		
03/31/95	1203	000162	0		
03/31/95	1203	000163	5.4		
03/31/95	1204	000164	0		
03/31/95	1204	000165	0		
03/31/95	1204	000166	5.4		
03/31/95	1204	000167	0		
03/31/95	1205	000168	0		
03/31/95	1205	000169	0		
03/31/95	1205	000170	0		
03/31/95	1206	000171	0		
03/31/95	1206	000172	0		
03/31/95	1206	000173	0		
03/31/95	1207	000174	0		
03/31/95	1207	000175	0		
03/31/95	1208	000176	0		
03/31/95	1208	000177	0		
03/31/95	1209	000178	0		
03/31/95	1209	000179	0		
03/31/95	1209	000180	0		
03/31/95	1209	000181	0		
03/31/95	1210	000182	16.2		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/31/95	1210	000183	5.4		
03/31/95	1210	000184	0		
03/31/95	1211	000185	0		
03/31/95	1211	000186	0		
03/31/95	1211	000187	5.4		
03/31/95	1212	000188	0		
03/31/95	1212	000189	0		
03/31/95	1212	000190	0		
03/31/95	1212	000191	0		
03/31/95	1212	000192	0		
03/31/95	1213	000193	0		
03/31/95	1213	000194	5.4		
03/31/95	1213	000195	0		
03/31/95	1214	000196	5.4		
03/31/95	1214	000197	0		
03/31/95	1214	000198	0		
03/31/95	1215	000199	5.4		
03/31/95	1215	000200	0		
03/31/95	1216	000201	0		
03/31/95	1216	000202	0		
03/31/95	1216	000203	16.2		
03/31/95	1216	000204	0		
03/31/95	1217	000205	0		
03/31/95	1217	000206	0		
03/31/95	1217	000207	5.4		
03/31/95	1217	000208	0		
03/31/95	1218	000209	0		
03/31/95	1218	000210	0		
03/31/95	1219	000211	0		
03/31/95	1219	000212	5.4		
03/31/95	1219	000213	0		
03/31/95	1220	000214	16.2		
03/31/95	1220	000215	21.5		
03/31/95	1221	000216	0		
03/31/95	1221	000218	0		
03/31/95	1221	000219	16.2		
03/31/95	1221	000220	0		
03/31/95	1222	000221	16.2		
03/31/95	1222	000222	0		
03/31/95	1222	000223	0		
03/31/95	1223	000224	0		
03/31/95	1223	000225	5.4		
03/31/95	1223	000226	0		
03/31/95	1224	000227	0		
03/31/95	1224	000228	0		
03/31/95	1224	000229	0		

OVER RANGE: 2000 TO 9999 PPMV RANGE

USS CLAIRTON WORKS
CLAIRTON, PENNSYLVANIA
BENZENE MONITORING RESULTS

DATE	TIME	LOG NO.	CONC. (ppmv)	STATUS	REMARKS
03/31/95	1224	000230	0		
03/31/95	1225	000231	5.4		
03/31/95	1225	000232	0		
03/31/95	1225	000233	0		
03/31/95	1225	000234	0		
03/31/95	1226	000235	0		
03/31/95	1226	000236	5.4		
03/31/95	1226	000237	16.2		
03/31/95	1226	000238	0		
03/31/95	1227	000239	0		
03/31/95	1227	000240	0		
03/31/95	1227	000241	0		
03/31/95	1228	000242	16.2		
03/31/95	1228	000243	0		
03/31/95	1228	000244	16.2		
03/31/95	1229	000245	0		
03/31/95	1229	000246	0		
03/31/95	1229	000247	0		
03/31/95	1229	000248	5.4		
03/31/95	1229	000249	16.2		
03/31/95	1230	000250	0		
03/31/95	1230	000251	0		
03/31/95	1230	000252	0		
03/31/95	1231	000253	0		
03/31/95	1231	000254	0		
03/31/95	1231	000255	0		
03/31/95	1231	000256	0		
03/31/95	1231	000257	0		
03/31/95	1232	000258	0		
03/31/95	1232	000259	0		
03/31/95	1233	000260	0		
03/31/95	1233	000261	0		
03/31/95	1234	000262	0		
03/31/95	1234	000263	16.2		
03/31/95	1234	000264	0		
03/31/95	1235	000265	16.2		
03/31/95	1235	000266	0		
03/31/95	1236	000267	0		
03/31/95	1236	000268	48.6		
03/31/95	1237	000269	64.7		
03/31/95	1237	000270	32.4		
03/31/95	1238	000271	16.2		
03/31/95	1238	000272	275		
03/31/95	1238	000273	16.2		
03/31/95	1239	000274	10.8		
03/31/95	1240	000275	113		

OVER RANGE: 2000 TO 9999 PPMV RANGE