



May 11, 1995

Ms. Sharon Henderickson
Division of Emergency and Remedial Response
Ohio Environmental Protection Agency
1800 Watermark Drive
Post Office Box 1049
Columbus, Ohio 43216-1049

Dear Ms. Henderickson:

Pursuant to O.A.C. 3750.06(D), the following synopsis describes a release that was reported to you on March 10, 1995. The release occurred at Columbia Gas Transmission Corporation's Crawford Compressor Station. This facility is located in Burne Township, Fairfield County at 6175 Old Logan Road, Sugar Grove, Ohio 43155.

The release occurred at 6:00 a.m., when an automatic dump valve, on the facility's hazardous waste storage tanks stuck in the open position. This occurred when Columbia employees were "blowing" natural gas pipeline liquids from the natural gas pipeline. Blowing is a term used in the industry to remove liquids that accumulate in the pipeline by opening a valve (manually or automatically) and allowing the pipeline pressure to blow the liquids into a container. The tank was near full when this occurred and gas pressure blew liquids out of the tank's vent. Approximately 50 gallons were released to the surrounding gravel, covering an area estimated to be 50 feet in diameter. An employee shut a manually operated valve to stop the release.

Pipeline liquid are associated with production of natural gas which become entrained in the gas stream and drop out of the gas during transmission due to changes in temperature and pressure in the pipeline and primarily consists of liquid hydrocarbons, lubricating oil, crude oil, water and brine. .

The impacted gravel and soil was over excavated and stock piled. A representative sample was taken from the generated waste and analyzed for volatile and semi-volatile organics, BETX, PCBs, paint filter test, and total petroleum hydrocarbons. The attached results indicate the waste is non-hazardous. Arrangement are in progress for the disposal of this waste at an approved landfill.

If you have any questions or require additional information, feel free to contact me at (304) 357-3227.

Sincerely,

A handwritten signature in cursive script, appearing to read "C. L. Legg".

C. L. Legg
Environmental Coordinator

cc: A. C. Zeitz
C. L. Davis
J. A. Barker Stonerook
Local Emergency Response Committee

ETS Analytical Services, Inc.



Proudly serving industry and government since 1973.

A USEPA Contract Laboratory

A subsidiary of ETS International, Inc.

Columbia Gas / Northwest Region
 P.O. Box 330
 Sugar Grove, OH 43155
 ATTN: Janet Barker-Stonerook

Re: Laboratory Analysis
 ETSAS Client No. 10251
 Crawford Compressor Station

REPORT DATE/NUMBER: April 13, 1995 / 2096

ANALYSIS FOR: Polychlorinated Biphenyls (PCBs), TPH, BTEX, Volatiles,
 Semi-Volatiles, Ignitability, Paint Filter Test, & Solids

METHOD OF ANALYSIS: Solvent Extraction GC/ECD, USEPA Method 8080, 418.1, 160.3;
 SW-846 Methods 8020, 8270, 8260, 1010, 9095

SAMPLE ANALYSIS DATA

CLIENT ID: 0045025 LAB ID: 175860
 MATRIX: SOIL COLLECTED BY: M. MILBUUGH
 COLLECTION DATE: 03/21/95 DATE RECEIVED: 03/23/95
 OTHER ID: TIME COLLECTED:
 DESCRIPTION: CRAWFORD C.S./GRAVEL AND DIRT FROM TANK #4 SPILL

VOLATILE ORGANIC COMPOUNDS BY GC/MS:

1,1-Dichloroethene, TCLP _____ < 0.005 mg/l
 ↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
 ↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

1,2-Dichloroethane, TCLP _____ < 0.005 mg/l
 ↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
 ↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

1,4-Dichlorobenzene, TCLP _____ < 0.005 mg/l
 ↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
 ↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

2-Butanone, TCLP _____ < 0.010 mg/l
 ↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
 ↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.010 mg/l

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SAMPLE ANALYSIS DATA

CLIENT ID: 0045025 - LAB ID: 175860 (continued)

Benzene, TCLP _____ 0.007 mg/l

↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

(Limit is
0.5 mg/L)

Carbon Tetrachloride, TCLP _____ < 0.005 mg/l

↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

Chlorobenzene, TCLP _____ < 0.005 mg/l

↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

Chloroform, TCLP _____ < 0.005 mg/l

↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

Tetrachloroethene, TCLP _____ < 0.005 mg/l

↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

Trichloroethene, TCLP _____ < 0.005 mg/l

↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.005 mg/l

Vinyl Chloride, TCLP _____ < 0.010 mg/l

↳Analysis Date: 03/29/95 by: MRC Run ID: 032995VOA
↳Method: GC/MS, USEPA Method 8260; Det Limit= 0.010 mg/l

SURROGATE RECOVERY RESULTS:

Surrogate: Bromofluorobenzene	% Recovery: 104.9	QAO: 74-121%
Surrogate: Dibromofluoromethane	% Recovery: 104.7	QAO: 80-120%
Surrogate: Toluene-d8	% Recovery: 102.1	QAO: 81-117%

SEMI-VOLATILE RESULTS BY GC/MS:

1,4-Dichlorobenzene, TCLP _____ < 0.020 mg/l

↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.020 mg/l

2,4,5-Trichlorophenol, TCLP _____ < 0.040 mg/l

↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

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 SAMPLE ANALYSIS DATA

CLIENT ID: 0045025 ■ LAB ID: 175860 (continued)

2,4,6-Trichlorophenol, TCLP _____ < 0.040 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

2,4-Dinitrotoluene, TCLP _____ < 0.040 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

2-Methylphenol, TCLP _____ < 0.040 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

3 & 4-Methylphenol, TCLP _____ < 0.040 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

Hexachlorobenzene, TCLP _____ < 0.040 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

Hexachlorobutadiene, TCLP _____ < 0.020 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.020 mg/l

Hexachloroethane, TCLP _____ < 0.040 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

Nitrobenzene, TCLP _____ < 0.040 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

Pentachlorophenol, TCLP _____ < 0.080 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.080 mg/l

Pyridine, TCLP _____ < 0.040 mg/l
 ↳Analysis Date: 04/12/95 by: MRC Run ID: 041295BNA
 ↳Method: GC/MS, USEPA Method 8270; Det Limit= 0.040 mg/l

SURROGATE RECOVERY RESULTS:

Surrogate: 1,2-Dichlorobenzene-d4	‡ Recovery: 98.4	QAO: 20-130‡
Surrogate: 2,4,6-Tribromophenol	‡ Recovery: 162.3	QAO: 10-123‡
Surrogate: 2-Chlorophenol-d4	‡ Recovery: 137.1	QAO: 20-130‡
Surrogate: 2-Fluorobiphenyl	‡ Recovery: 99.1	QAO: 30-115‡
Surrogate: 2-Fluorophenol	‡ Recovery: 111.4	QAO: 25-121‡
Surrogate: Nitrobenzene-d5	‡ Recovery: 102.3	QAO: 23-120‡
Surrogate: Phenol-d5	‡ Recovery: 126.4	QAO: 10-110‡
Surrogate: Terphenyl-d14	‡ Recovery: 107.6	QAO: 18-137‡

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SAMPLE ANALYSIS DATA

CLIENT ID: 0045025 ■ LAB ID: 175860 (continued)

BTEX RESULTS:

Benzene _____ 580 ug/kg = 0.58 mg/kg
↳ Analysis Date: 03/30/95 by: RPL Run ID: BTE032995
↳ Method: Ion Chromatography; Det Limit= 200 ug/kg

Ethylbenzene _____ 53000 ug/kg = 53 mg/kg
↳ Analysis Date: 03/30/95 by: RPL Run ID: BTE032995
↳ Method: Ion Chromatography; Det Limit= 2000 ug/kg

Toluene _____ 30000 ug/kg = 30 mg/kg
↳ Analysis Date: 03/30/95 by: RPL Run ID: BTE032995
↳ Method: Ion Chromatography; Det Limit= 2000 ug/kg

Xylenes _____ 400000 ug/kg = 400 mg/kg
↳ Analysis Date: 03/30/95 by: RPL Run ID: BTE032995
↳ Method: Ion Chromatography; Det Limit= 20000 ug/kg

POLYCHLORINATED BIPHENYLS:

PCB _____ < 1.2 mg/kg
↳ Analysis Date: 03/31/95 by: KDB Run ID: 033195A2
↳ Method: USEPA Method 8080, GC/ECD; Det Limit= 2.3 mg/kg
↳ Comments: Reported on dry weight basis of 85.6 %

SURROGATE RECOVERY RESULTS:

Surrogate: DCB	% Recovery: 141.0	QAO: 50-150%
Surrogate: TCMX	% Recovery: 122.6	QAO: 50-150%

ROUTINE LABORATORY RESULTS:

Ignitability _____ 160 Deg F
↳ Analysis Date: 03-27-95 by: BCL Run ID:
↳ Method: SW-846 Method 1010; Det Limit= Not Applicable

(limit is 140°F as low)

Paint Filter Test _____ negative
↳ Analysis Date: 04-11-95 by: BCL Run ID:
↳ Method: SW-846 Method 9095; Det Limit= Not Applicable

Percent Solids _____ 85.6 % by weight
↳ Analysis Date: 03/28/95 by: LEA Run ID: 032895PSLEA
↳ Method: Gravimetric; Det Limit= 0.1 % by weight

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SAMPLE ANALYSIS DATA	
CLIENT ID: 0045025 ■ LAB ID: 175860 (continued)	
Total Petroleum Hydrocarbons	22300 mg/kg
↳Analysis Date: 03/28/95 by: LEA Run ID: TPH032895	
↳Method: USEPA Method 418.1; Det Limit= 10 mg/kg	
↳Comments: Reported in mg/kg dry weight.	

Quality Assurance performed on the above data is presented on the following page(s).
If we may be of further assistance, please contact us at any time.

Sincerely,
ETS ANALYTICAL SERVICES, INC.

Cheryl M. Daniel, Quality Assurance Manager

COLUMBIA GAS SYSTEM
FACSIMILE TRANSMISSION

TO: Chris Legg COMPANY/LOCATION Charleston - TCO
FROM Mike W. Brough COMPANY/LOCATION Crawford P.S.

DATE: 4/20/95
FAX NO. 304-357-34
TEL. NO. 614-796-8641

PERSONAL

FOR MESSAGE CENTER USE:	MESSAGE NUMBER: _____	DATE: <u>6</u>	TIME: <u>11:00</u>
	SENT: _____		
Total Number of Pages <u>6</u> (Including cover sheet)			
ANY PROBLEMS CONCERNING THIS TRANSMITTAL, PLEASE CALL: _____			

WRITE OR TYPE MESSAGE BELOW

Ohio Environmental Protection Agency



**DIVISION OF
EMERGENCY & REMEDIAL RESPONSE**

Central District Office
3232 Alum Creek Drive
Columbus, Ohio 43207

(614) 728-3778
To Report Spills
(800) 282-9378 In State
(614) 224-0946

Christopher D. Bonner
On Scene Coordinator

Chris, Here is the
sample results from
the spill on 3/21/95
you said you were
going to send them
to the EPA with
your report.

Mike

COLUMBIA GAS TRANSMISSION CORPORATION COLUMBIA GULF TRANSMISSION COMPANY

- EPA/TGD ABANDONMENT PROJECT SAMPLE
- STORED PIPE CLASSIFICATION SAMPLE
- OTHER

- EPA REMOVAL PERMIT
- ALTERNATE DISPOSAL PERMIT SAMPLE
- PRE-DECONTAMINATION
- POST-DECONTAMINATION

REGION/DIVISION SUGAR GROVE AREA/SECTION SUGAR GROVE DATE TAKEN 3/21/95 FIELD ID NUMBER 0045025

SPECIFIC LOCATION AND EQUIPMENT FROM WHICH SAMPLE WAS OBTAINED

STATE OH COUNTY/PARISH Fairfield/Byrne ACCOUNT CLASSIFICATION _____ FACILITY NAME Crawford
 EQUIPMENT ID _____ CONTAINER ID DM94035 LRP NO. _____ LINE NO. _____ SURVEY STATION _____ FACILITY ID # _____

OTHER IDENTIFYING INFORMATION (BE SPECIFIC—INCLUDE SKETCH IF APPROPRIATE)

GRAVEL AND DIRT FROM TANK #4 SPILL

FILL IN ONLY IF FOR EPA SEMI-ANNUAL REPORT VOLUME OF CONDENSATE COLLECTED _____ UNITS _____

SAMPLE DESCRIPTION LIQUID SOLID WIPE SAMPLE

- PIPELINE LIQUID SOIL PIPE
- WASTE OIL GREASE OTHER
- OIL/WATER OTHER SLUDGE (DESCRIBE BELOW)
- WATER
- OTHER SPECIFY _____

QA/QC

ADDITIONAL DESCRIPTION

INSTRUCTIONS TO LAB _____ LAB NAME ETS NAME AND TITLE OF PERSON COLLECTING SAMPLE Michael J. Wilbargh - OSE

ANALYSIS REQUESTED

- TPH TCLP METALS TOTAL ORGANIC CHLORIDES REACTIVITY
- PCB TCLP ORGANICS FLASH POINT CORROSIVITY
- BTEX TOTAL SOLIDS BTU CONTENT VISCOSITY
- PH ASH CONTENT SPECIFIC GRAVITY PAINT FILTER TEST

ADDITIONAL TESTS (SPECIFY)

ANALYSIS REPORT STANDARD (5-7 DAYS) EMERGENCY (24-48 HOURS)

AROCLOR	SAMPLE NUMBERS
1242	TCLP ^{volatiles} organics - only benzene detected at 0.007 mg/l
1254	TCLP semi-volatiles - all ND
1260	Benzene - 0.58 mg/kg; Toluene - 30 mg/kg; Ethylbenzene - 53 mg/kg; Xylenes - 400 mg/kg
OTHER	PCBs - < 1.2 mg/kg

OTHER RESULTS Ignitability 160 °F 175860
TPH = 22,300 mg/kg

EACH PERSON HAVING POSSESSION OF THIS SAMPLE MUST SIGN IN THE SPACE BELOW TO ESTABLISH A CLEAR CHAIN OF CUSTODY FROM THE SITE TO THE TESTING LOCATION.

SAMPLER'S SIGNATURE <u>Michael J. Wilbargh</u>	DATE <u>3/21/95</u>	TRANSPORTER 1 SIGNATURE _____	DATE _____
TRANSPORTER 2 SIGNATURE _____	DATE _____	TRANSPORTER 3 SIGNATURE _____	DATE _____
TRANSPORTER 4 SIGNATURE _____	DATE _____	LAB SIGNATURE <u>Sub. Sigard</u>	DATE RECD BY LAB <u>1995 3/23/95</u>