



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET

 AFE NO. _____
 DATE _____ W O NO _____
 MADE BY WCT INO NO _____
 APP'D BY WCT REQ. NO. _____
 B. M. NO. _____ P O NO. _____

 PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INSINERATION SYSTEM
(SPARE)
ITEM NO AP-18SERVICE VCM & O₂ CONCENTRATION IN INERT VENT STREAM
 TYPE: GAS CHROMATOGRAPH
 MODEL: HONEYWELL MCT OR
COMPANY APPROVED EQUAL

 DESCRIPTION: THE ANALYZER PACKAGE SHALL
HAVE AN INTEGRAL SAMPLE CONDITIONING
SYSTEM, A FLOW PANEL, AND ANALYZER
COMPONENTS.
THE SIGNAL FROM THE ANALYZER UNIT
WILL GO TO A 3-PEN, STRIP CHART
RECORDER. THE RECORDER WILL BE
COMPATIBLE WITH OTHER PLANT
INSTRUMENTATION AND MAY BE PURCHASED
SEPERATELY FROM THE ANALYZER PACKAGE.

SAMPLE :

SOURCE INERT VENT LINE HM-1PRESSURE, NORMAL (PSIG) 10, DESIGN (PSIG) 150TEMPERATURE, MIN-MAX (°F) 20-120

DTH 000104779

4/25/80

SHEET 1 OF 2 REV _____



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET

 A.F.E. NO. _____
 DATE _____ W.O. NO. _____
 MADE BY JEFF I.N.O. NO. _____
 APP'D BY JEFF REQ. NO. _____
 B.M. NO. _____ P.O. NO. _____

 PLANT ABERDEEN PK PLANT PROJECT INERT VENT INCUBATION SYSTEM
(SPARE)

 ITEM NO. AR-1B
 SERVICE

STREAM ANALYSIS

COMPONENT	MOL. WEIGHT	EXPECTED RANGE (VOL %)		
		MIN	MAX	NORMAL
VINYL CHLORIDE	62.5	20	100	40-80
METHYL CHLORIDE	50.5	0	2	1
NITROGEN	28	0	80	20-60
OXYGEN	32	0	12	1-2
CARBON MONOXIDE	28	0	3	1
CARBON DIOXIDE	44	0	4	1
OTHER HYDRO-CARBONS		TRACE		

SPECIFICATION

THE ANALYZER WILL CONTINUOUSLY RECORD BOTH VCM AND OXYGEN CONCENTRATION IN THE INERT VENT STREAM. THE ABILITY TO RECORD ONE OF THE OTHER COMPONENTS IS DESIRED. VENDOR WILL PROVIDE AS AN ALTERNATE, A SYSTEM TO RECORD THREE COMPONENTS (VCM, OXYGEN AND A THIRD COMPONENT).

THE SAMPLE TIME SHOULD BE LESS THAN 15 MINUTES.

DTH 000104780

4/25/80

SHEET 2 OF 3 REV _____



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 A.F.E. NO. _____
 DATE _____ W.O. NO. _____
 MADE BY WRT I.N.O. NO. _____
 APP'D BY WRT R.E.Q. NO. _____
 B.M. NO. _____ P.O. NO. _____

 PLANT ABERDEEN PVC PROJECT INERT VENT INFORMATION SYSTEM
(SPARE)

 ITEM NO. AR-1B
 SERVICE

SPECIFICATION (CONT.)

THE SAMPLE FEED WILL BE 1/4-INCH SS TUBING.

UNUSED SAMPLE CANNOT BE VENTED TO THE ATMOSPHERE. THEREFORE SAMPLE WHICH IS NOT INJECTED INTO THE ANALYZER FOR ANALYSIS WILL BE RETURNED TO THE SYSTEM.

DOWNSTREAM PRESSURE WILL BE AROUND 3 PSIG.

DESIGN SAMPLE INLET & SAMPLE RETURN PRESSURE IS 150 PSIG.

THE ANALYZER SYSTEM (NOT INCLUDING THE RECORDER) WILL BE LOCATED INSIDE THE "OLD CONTROL ROOM". THIS AREA IS CLASSIFIED GROUP 1, CLASS 1, DIVISION 0.

THE ANALYZER SHOULD READ OUT IN VOLUME FRACTION RATHER THAN WEIGHT FRACTION - (IF POSSIBLE)

DTH 000104781

4/25/80

SHEET 3 OF 3 REV



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET

 AFE NO. _____
 DATE _____ W O. NO. _____
 MADE BY _____ INQ NO. _____
 APP'D BY WRF REQ. NO. _____
 B M NO. _____ P O NO. _____

 PLANT ABERDEEN PVC PROJECT SCADA ENGINEERING

 ITEM NO. AAH-1B
 SERVICE

AAH-1B IS TO ALARM IN THE CONTROL ROOM WHEN THE UCM CONCENTRATION IN THE INERT VENT STREAM EXCEEDS 80 VOLUME % (ADJUSTABLE) OR THE OXYGEN CONCENTRATION EXCEEDS 4 VOLUME % (ADJUSTABLE BY INSTRUMENT MAN) (1)

SIGNAL FROM EITHER ANALYZER ALARM OR SIGNAL TO RECORDER.

(1) CORRECT AS REQ'D IF ANALYZER GIVES A WEIGHT % OUTPUT.

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4/25/80

SHEET _____ OF _____ REV _____



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET

 A.F.E. NO. _____
 DATE 8-31-79 W.O. NO. _____
 MADE BY TBP I.N.O. NO. _____
 APP'D BY URS REQ NO. _____
 B.M. NO. _____ P.O. NO. _____

 PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

 ITEM NO AR-28
 SERVICE SCRUBBER GAS EFFLUENT OXYGEN ANALYZER

TYPE : COMBUSTION OXYGEN ANALYZER

 MODEL: THERMOX INSTRUMENTS (MODEL WDG-III)
 OR COMPANY APPROVED EQUAL.

DESCRIPTION:

THE ANALYZER WILL BE AN ON-LINE,
 CONTINUOUS OXYGEN ANALYZER. THIS
 ANALYZER WILL BE USED TO MONITOR
 THE AMOUNT OF EXCESS AIR AFTER
 COMBUSTION. THE VENDOR IS TO SUPPLY
 AN ANALYSIS RECORDER WHICH WILL
 BE LOCATED ON THE CONTROL ROOM
 BOARD.

LOCATION : SCRUBBER EFFLUENT STACK

STACK EFFLUENT RATE,

NORM/MAX (SCFH) : 15,160/17,000

TEMPERATURE, NORM/MAX (°F) : 117/140

 PRESSURE, NORM/MAX ("H₂O) : 0/10

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4/25/80

 SHEET 1 OF 2 REV _____



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET

A F E NO

DATE 8-31-79 W.O. NO

MADE BY TBP INO NO

APP'D BY WRF REQ NO

B.M. NO P.O. NO

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT. INCINERATION SYSTEM (SPARE)

ITEM NO. AR-28

SERVICE SCRUBBER GAS EFFLUENT OXYGEN ANALYZER

EFFLUENT COMPOSITION: (1)

	NORMAL RATE		MAXIMUM RATE	
	WEIGHT %	Mole %	WEIGHT %	Mole %
N ₂	74.5	75.7	65.7	65.7
CO ₂	12.1	7.8	18.3	11.7
H ₂ O	6.7	10.6	12.7	19.7 (SATURATED)
O ₂	6.7	5.9	3.3	2.9
	100.0	100.0	100.0	100.0

NOTES:

- (1) THERE WILL BE TRACE AMOUNTS OF HCl & Cl₂ (1000 ppm max)
- (2) A HASTELLOY "C" SAMPLE PROBE IS REQUIRED.

DTH 000104784

SHEET 2 OF 2 REV

4/25/80



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 PONCA CITY, OKLAHOMA
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 A F E NO _____
 DATE _____ W O NO _____
 MADE BY WRT INQ. NO. _____
 APP'D BY WRT REQ. NO. _____
 B. M. NO. _____ P. O. NO. _____

 PLANT ABERDEEN PVC PROJECT SPARE INCINERATOR

 ITEM NO. AAL-2B
 SERVICE

AAL-2B IS TO ALARM IN THE CONTROL ROOM
 WHEN THE OXYGEN CONCENTRATION IN THE
 INCINERATOR SCRUBBER VENT FALLS BELOW
 1.0 VOLUME %.

SIGNAL IS FROM AR-2B.

DTH 000104785

4/25/80

SHEET 1 OF 1 REV _____



Continental Oil Company
Engineering Center
Ponca City, Oklahoma
Control Valves

SPECIFICATION SHEET

PROJECT NO. _____
A F E NO. _____
DATE 3/11/80 INQ NO. _____
MADE BY LURE REQ NO. _____
APP'D BY WKE P O NO. _____

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCORPORATION SYSTEM
(SPARE)

GENERAL		CU-2B	CU-1B	CU-3B (3 REQ'D)	CU-4B	
1	ITEM NO & TAG					
2	SERVICE	QUENCH WATER	INERT VENT SAMPLE	DOUBLE BLOCK BLEED-VENT	SAMPLE TO FIXED POINT	
3	LINE SIZE	2"	3/4"	1"	1/2"-TUBING	
4	MANUFACTURER		TUFLINE (OR EQUAL)	TUFLINE		
5	MODEL NO.					
6	OPERATION	3-WAY (2)				
SERVICE CONDITIONS						
7	FLUID	WATER	INERT VENT	INERT VENT	STEAM (G) GAS	
8	TEMP F	NORMAL	MAX	40	120	
9	PRESS, INLET, NORMAL	MAX	45	150	10	150
10	Δ P	MIN	NORMAL	MAX	0	0
11	MOLECULAR WEIGHT	A.P.I.	180	--	42.0	
12	SP GR @ 60 F.	W.F.T.	1.0	--		
13	WEIGHT VAPOR IN	OUT	0	0	100	100
14	VISCOSITY @ 60 F. Cp		0.9	.01	.01	
15	RATE, NOR. (GPM)	GPM	50	200 CC/min	500 GPM	
16	RATE, MAX. (GPM)	GPM	80	200 CC/min	1000 GPM	
17	NORMAL FLOW CV					
BODY						
19	BODY SIZE	PORT SIZE	2"	3/4"	1"	THREE 1/2"-1/2" SAMPLE VALVE
20	TYPE (ANGLE OR GLOBE)		PLUG	PLUG	PLUG	
21	MATERIAL		C.S.	C.S.	C.S.	
22	END CONNECTIONS					
23	BONNET					
24	CV					
25	LUBRICATOR	ISO. VAL				
26	PACKING					
27	TRAVEL INDICATOR					
TRIM						
29	TYPE INNER VAL	NO. OF PORTS	PLUG	PLUG	PLUG	
30	PLUG & SEAT MATERIAL		BRONZE	SS. WITH TFE SLEAVE	SS. WITH TFE SLEAVE	
ACTUATOR						
32	TYPE		ON-OFF (1) SPRING LOADED	ON-OFF	ON-OFF SPRING LOADED	
33	FAILURE POSITION		FAILS OPEN TO CITY WATER	CLOSED	CLOSED - BLOCK	
34					OPEN - BLEED	
POSITIONER						
35	INPUT SIGNAL	OUTPUT SIGNAL				
36	BYPASS	GAUGES				
37	MANUFACTURER					
38	MODEL NO.					
ACCESSORIES						
39			FIRE SAFE	FIRE SAFE (1) POSITION IND.		

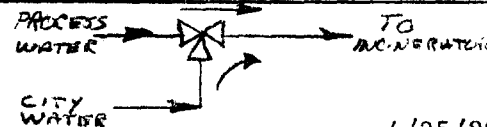
DTH 000104786

NOTES: (1) SPRING LOADED ACTUATOR TO SWITCH FROM
PROCESS WATER SUPPLY TO CITY WATER SUPPLY
ON LOSS OF AIR PRESSURE OR LOW FLOW.
MANUAL RESET

(2) VALVE TO ALLOW FLOW ONLY AS SHOWN TO
RIGHT

() INDICATES ITEM CHANGED ON LATEST REVISION.

(X) INDICATES MANUFACTURER TO GIVE REQUESTED INFORMATION IN HIS QUOTATION.



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SHEET _____ OF _____ REV _____

(3) INDICATE ALL LEAKS IN CONTROL ROOM (CHECK OFF)
(4) INTERLOCK TO SHUT TO SHUT DOWN ALL PROCESS



ENGINEERING CENTER

PONCA CITY, OKLAHOMA
SPECIFICATION SHEET
FLOW INSTRUMENTS

A.F.E. NO.

DATE 8-6-77

W.O. NO.

MADE BY TRP

INO. NO.

APP'D BY WRF

REQ. NO.

B.M. NO.

P.O. NO.

PLANT Aberdeen PVC PLANT PROJECT INERT VENT INDICATOR (2000)

1	TAG NO.	FIG-1B (107)	FIG-7B	FSA-7B (3)	FI-8B (1)
2	SERVICE	INERT VENT	WATER TO		COOLING TOWER BLUEN
3		INCINERATOR	QUENCH TK.		FROM NO. 4 TOWER
4	INSTRUMENT TYPE	INDICATING CONTROLLER	INDICATING CONT.	SWITCH (5)	INDICATOR
5	LOCATION	BOARD	BOARD	LOCAL	LOCAL
6	ELEMENT TYPE	ORIFICE	ORIFICE		ORIFICE
7	LOCATION	LINE HM-1	LINE WC-4		LINE WC-4
8	LINE SIZE, IN.	2	2		2
	SCHEDULE	80	80		40
9	BORE, IN.	0.802	1.223		1.664
10	RANGE, IN. H ₂ O	10.0	200.0		100
11	METER FACTOR	120 SCFH	8 GPM		10 GPM
12	VALVE TYPE	FISHER ES (1)	FISHER "ES"		
13		MICROFORM	OR EQUAL		
14	LOCATION	HM-1	LINE WC-4		
15	MATERIAL	C.S. BODY/SS TRIM	C.S. BODY/SS PLUG		
16	BODY SIZE	1"	1 1/2"		
	PORT SIZE	1/4"	1 3/8"		
17	PLUG FORM	MICROFORM	EQUAL PERCENTAGE		
18	ΔP	MIN	NOR	MAX	
		7	70	3	43
19	VALVE CV (MAX)	28.0	48.4	7.6	33.4
20	AIR TO OPEN OR CLOSE	OPEN	CLOSE		
21	MAX SHUTOFF ΔP	150	150		
22	FLUID	VCM, INERTS	WATER		WATER
23	TEMPERATURE OF	60	75		75
24	PRESSURE PSIG	2 (2)	80		90
25	QAPI (M. W.)	(42.4)	(18.02)		(18.02)
26	SP. GR. AT STD. COND.		1.0		1.0
27	SP. GR. AT P. & T.		1.0		1.0
28	CP/CV AT P. & T.	1.0			
29	COMPRESSIBILITY				
30	VISCOSITY AT P. & T.	0.014	0.90		.90
31	RATE NORMAL	500 SCFH	50 GPM		50 GPM
32	RATE	MAX	MIN		
		1000 SCFH	0	80 GPM	40
33	NOTES				

(1) MAY USE EXISTING VALVE, CV-1

(2) AT ENTRANCE TO ORIFICE

(3) FSA-7B RECEIVES SIGNAL FROM FT-7B AND SWITCHES CV-2B TO CITY WATER ON LOW FLOW. FLOW SET POINT TO BE 35 GPM (SET POINT TO BE CONFIRMED BY VENDOR).

(4) FLOW INDICATOR TO BE AN ITT BARTON MODEL 200 INDICATOR WITH A MODEL 199 DIFFERENTIAL PRESSURE UNIT; OR A COMPANY APPROVED EQUAL.

(5) MANUAL RESET

DTH 000104787

(6) VALVE TO RAMP OPEN/CLOSED ON SWITCHING FROM LOW FLOW TO HIGH FLOW & VICE VERSA PER EXISTING CV-1 OPERATION

(7) CONTROLLER TO HAVE RESET LIMITING

(8) Cg valves

4/25/80

SHEET 1 OF 2 REV



ENGINEERING CENTER
 PONCA CITY, OKLAHOMA
SPECIFICATION SHEET
FLOW INSTRUMENTS

A.F.E. NO. _____
 DATE 9-5-79 W.O. NO. _____
 MADE BY TBP I.N.O. NO. _____
 APP'D BY WRF REQ. NO. _____
 B.M. NO. _____ P.O. NO. _____

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

1	TAG NO.	FI-9B (1)					
2	SERVICE	COOLING TOWER BLUDDING					
3		FROM No. 3 TOWER					
4	INSTRUMENT TYPE	INDICATOR					
5	LOCATION	LOCAL					
6	ELEMENT TYPE	ORIFICE					
7	LOCATION	LINE WC-10					
8	LINE SIZE, IN.	SCHEDULE	2	80			
9	BORE, IN.	1.252					
10	RANGE, IN. H ₂ O	100					
11	METER FACTOR	6 GPM					
12	VALVE TYPE						
13							
14	LOCATION						
15	MATERIAL						
16	BODY SIZE	PORT SIZE					
17	PLUG FORM						
18	ΔP	MIN	NOR	MAX			
19	CALCCV	VALVE CV					
20	AIR TO OPEN OR CLOSE						
21	MAX SHUTOFF ΔP						
22	FLUID	WATER					
23	TEMPERATURE OF	75					
24	PRESSURE PSIG	90					
25	SP. GR. AT STD. COND.	(1.02)					
26	SP. GR. AT P. & T.	1.0					
27	CP/CV AT T & P	1.0					
28	COMPRESSIBILITY						
29	VISCOSITY AT P. & T.	.90					
30	RATE NORMAL	90 GPM					
31	RATE	MAX	MIN	60 GPM	20		
32	NOTES						

(1) FLOW INDICATOR TO BE AN ITT BARTON MODEL 200 INDICATOR WITH A MODEL 199 DIFFERENTIAL PRESSURE UNIT ; OR A COMPANY APPROVED EQUAL.

DTH 000104788

4/25/80

SHEET 2 OF 2 REV _____



ENGINEERING CENTER
 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET
 LIQUID LEVEL INSTRUMENTS

A.F.E. NO. _____
 DATE 8-21-79 W.O. NO. _____
 MADE BY THS INQ. NO. _____
 APP'D BY JSE REQ. NO. _____
 B. M. NO. _____ P. O. NO. _____

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

1	TAG NO.	<u>LI-2B (1)</u>	<u>LAH-2B</u>	<u>LAL-3B</u>	<u>LSH-3B</u>
2	SERVICE	<u>LIQUID LEVEL IN</u>	<u>AF-3B HIGH LEVEL</u>	<u>AF-3B LOW LEVEL</u>	<u>AF-3B</u>
3		<u>AF-3B</u>	<u>ALARM</u>	<u>ALARM</u>	
4	INSTRUMENT, TYPE	<u>TRANSMITTER</u>	<u>HIGH LEVEL ALARM</u>	<u>LOW LEVEL ALARM</u>	<u>HIGH LEVEL SET</u>
5	LOCATION	<u>LOCAL</u>	<u>LOCAL BOARD</u>	<u>LOCAL BOARD</u>	<u>AF-3B</u>
6	ELEMENT, TYPE	<u>EXTERNAL FLOAT</u>	<u>(5)</u>	<u>CAPACITANCE PROBE</u>	<u>PRESSURE SWITCH</u>
7	LOCATION	<u>AF-3B</u>		<u>AF-3B</u>	<u>AF-3B</u>
8	RANGE, INCHES	<u>14" (4)</u>	<u>SET POINT (3)</u>	<u>SET POINT (3)</u>	<u>SET POINT 8" (3)</u>
9	INTERFACE	<u>(2)</u>			
10	UPPER DENSITY, LB./CU. FT.	<u>.127</u>			
11	LOWER DENSITY, LB./CU. FT.	<u>70.5</u>			
12	TEMPERATURE OF	<u>60</u>			
13	PRESSURE PSIG	<u>2</u>			
14	VALVE TYPE				
15					
16	LOCATION				
17	MATERIAL				
18	BODY SIZE				
19	PLUG FORM				
20	ΔP MIN. NOR. MAX.				
21	CALC. Cv VALVE Cv				
22	AIR TO OPEN OR CLOSE				
23	MAXIMUM SHUTOFF ΔP				
24	FLUID				
25	TEMPERATURE OF				
26	PRESSURE PSIG				
27	PAPI (M.W.)				
28	SP. GR. AT STD. COND.				
29	SP. GR. AT P. & T.				
30	WEIGHT % VAPOR IN-OUT				
31	VISCOSITY AT P. & T.				
32	RATE, NORMAL				
33	RATE:				
34	MAX. MIN.				
35	NOTES:				

(1) TRANSMITTER MANUFACTURER SHOULD BE FISHER 2500T/249B OR COMPANY APPROVED EQUAL. A 3-15 psi AIR SIGNAL MUST BE PROVIDED. THE EXTERNAL FLOAT CASE TO BE STYLE T-3 WITH UPPER-SIDE & LOWER SIDE 2", 150# CONNECTIONS.

(2) THE VAPOR PHASE CONTAINS VCM AND INERTS (N₂ & CO₂). THE LIQUID PHASE CONTAINS ETHYLENE GLYCOL/WATER.

(3) SET POINTS TO BE CONFIRMED BY VENDOR.

(4) RANGE TO BE CONFIRMED BY LIQUID SEAL FLAME ARRESTOR VENDOR. RANGE TO COVER COMPLETE NORMAL OPERATING RANGE FROM MIN. TO MAX.

(5) RECEIVES SIGNAL FROM LI-2B.

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4/25/80



ENGINEERING CENTER
 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET
 LIQUID LEVEL INSTRUMENTS

A.F.E. NO. _____
 DATE 8-22-79 W.O. NO. _____
 MADE BY TBP INQ. NO. _____
 APP'D BY WRF REQ. NO. _____
 B.M. NO. _____ P.O. NO. _____

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

1	TAG NO.	LSL-2B	LG-4B	LC-3B
2	SERVICE	AF-3B	AF-3B LEVEL	D-1B LEVEL
3			GP GSE	CR GSE
4	INSTRUMENT TYPE	LOW LEVEL SWITCH	SIGHT GLASS	SIGHT GLASS
5	LOCATION	AF-3B	AF-3B	D-1B
6	ELEMENT TYPE	PRESSURE SWITCH	REFLEX TYPE	REFLEX TYPE
7	LOCATION	AF-3B	AF-3B	D-1B
8	RANGE, INCHES	SET POINT 6"	40 7/8 (3)	40 7/8 (3)
9	INTERFACE		(1)	GLYCOL SOLN / N ₂
10	UPPER DENSITY, LB./CU. FT.		.127	.124
11	LOWER DENSITY, LB./CU. FT.		70.5	70.5
12	TEMPERATURE OF		60	60
13	PRESSURE PSIG (MAX)		2 (150)	10 (150)
14	VALVE TYPE			
15				
16	LOCATION			
17	MATERIAL			
18	BODY SIZE			
19	PLUG FORM			
20	ΔP MIN. NOR. MAX.			
21	CALC. Cv VALVE Cv			
22	AIR TO OPEN OR CLOSE			
23	MAXIMUM SHUTOFF ΔP			
24	FLUID			
25	TEMPERATURE OF			
26	PRESSURE PSIG			
27	°API (M.W.)			
28	SP. GR. AT STD. COND.			
29	SP. GR. AT P. & T.			
30	WEIGHT % VAPOR IN-OUT			
31	VISCOSITY AT P. & T.			
32	RATE, NORMAL			
33	RATE:			
34	MAX. MIN.			
35	NOTES:			

(1) THE VAPOR PHASE CONTAINS VCM AND INERTS (N₂ + CO₂).
 THE LIQUID PHASE CONTAINS ETHYLENE GLYCOL/WATER.

(2) DELETED

(3) CENTER TO CENTER CONNECTION DIMENSIONS ARE 47".

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4/25/80

SHEET 2 OF 2 REV _____



ENGINEERING CENTER

PONCA CITY, OKLAHOMA
SPECIFICATION SHEET

SELF-CONTAINED PRESSURE REGULATORS

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)
 AFE NO _____
 DATE 9-7-79 W O NO _____
 MADE BY IBP INO NO _____
 APP'D BY WRS HELD NO _____
 B M NO _____ P O NO _____

 ITEM NO. PCV-38
 SERVICE N₂ BOTTLED GAS
Item No. and Tag PCV-38Service N₂ (CGA-580 CONNECTION)Manufacturer VICTOR OR COMPANY APPROVED EQUALModel No. VTS-250BLine Size, Inches 1/4 NPT

Stream and Valve

Fluid N₂Temperature, °F 80Inlet Pressure, psig, Norm-Max 2640/3500Outlet Pressure, psig, Norm-Max 10/30Specific Gravity at T and P Sp. Gr. = 250.0 @ 2640 PSIG, 80°F
Sp. Gr. = 0.99 @ 1 PSIG, 80°FViscosity at T and P, cp 0.018 @ 80°FMolecular Weight 28.01Rate, SCFH, Norm-Max-Min SEE NOTE (1)

Body Size, Inches

Orifice Size, Inches

DTH 000104791

Notes: (1) N₂ BOTTLED GAS IS USED TO MAINTAIN A
PRESSURE OF 10 PSIG IN D-18 (ETHYLENE GLYCOL DRUM).
N₂ (Approx. 1/3 FT³/day) IS USED INTERMITTENTLY AS
D-18 IS MANUALLY REFILLED WITH ETHYLENE GLYCOL.

(2) REGULATOR SHALL HAVE A SAFETY RELIEF VALVE
SET AT 40 PSIG.

4/25/80

SHEET 1 OF 1 FILE



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
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 AFE NO. _____
 DATE _____ W O NO _____
 MADE BY WRT I N O NO _____
 APP'D BY WRT R E Q NO _____
 B M NO _____ P O NO _____

 PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM
(Spare)

 ITEM NO PCV-4B, PCV-5B, PCV-6B
 SERVICE GAS CYLINDER REGULATORS

 SERVICE: HIGH PRESSURE CYLINDER REGULATOR FOR STANDARD
 GASES AS REQ'D FOR ANALYZER AR-1B.

PCV-4B HELIUM CARRIER GAS

PCV-5B VCM STANDARD *

PCV-6B AIR STANDARD *

 PRESSURE & FLOW REQUIREMENTS ARE AS
 REQ'D BY ANALYZER VENDOR.

 * THE NEED FOR THESE STANDARDS WILL BE
 CONFIRMED BY THE ANALYZER VENDOR AND MEO

DTH 000104792

4/25/80

SHEET 1 OF 1 REV



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET

 A.F.E. NO. _____
 DATE _____ W.O. NO. _____
 MADE BY LRF I.N.O. NO. _____
 APP'D BY LRF REQ. NO. _____
 B.M. NO. _____ P.O. NO. _____

 PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM
(SPARE)

 ITEM NO. SW-3B
 SERVICE INCINERATOR SELECTOR SWITCH

SW-3B WILL BE A TWO POSITION SELECTOR SWITCH USED TO DETERMINE WHICH INCINERATOR WILL BE ON-STREAM.

THE INCINERATORS WILL BE INTERLOCKED SO THAT ONLY ONE UNIT CAN BE USED TO BURN INERTS AT ANY GIVEN TIME.

WHEN AN INCINERATOR IS IN THE SPARE POSITION

(1) THE DOUBLE BLOCK VALVES ON THE INERT VENT FEED STREAM TO THAT UNIT ARE CLOSED (THE BLEED OPEN).

(2) SWITCHING EXISTING SWITCH SW-1 TO HIGH FIRE DOES NOT PUT THE SPARE INCINERATOR IN HIGH FIRE.

WHEN AN INCINERATOR SYSTEM IS SELECTED BY SW-3B TO BE ON-STREAM, ALL PERMISSIVES MUST BE SATISFIED BEFORE THE UNIT CAN BE ACTIVATED.

THIS INCLUDES CONTINUATION FROM DOUBLE BLOCK VALVE LINE TO SW-3B.

DTH 000104793

SW-3B POWER BE SHALL BE IN HIGH FIRE POSITION FOR SW-3B TO OPERATE (SWITCH).

4/25/80



ENGINEERING CENTER

PONCA CITY, OKLAHOMA

SPECIFICATION SHEET

PRESSURE GAUGES

A.F.E. NO. _____

DATE _____

MADE BY _____

APP'D BY _____

B. M. NO. _____

W. O. NO. _____

INQ. NO. _____

REQ. NO. _____

P. O. NO. _____

 PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCORPORATION SYSTEM
(SPARE)

1	TAG		INSTRUMENT	OPERATING	OPERATING	
2	NO.	SERVICE	RANGE, PSIG	PRESS, PSIG	TEMP., °F	LOCATION
3	PG-1	EXISTING				
4						
5	PG-10B	COOLING WATER BLOWDOWN	0-100	50	60	LINE 10-1
6	PG-11B	COOLING WATER BLOWDOWN	0-100	50	60	LINE 11-1
7	PG-12B	GLYCOL SUPPLY DRUM	0-30	10	60	LINE 12-1
8	PG-13B	INERT VENT BYPASS	0-10	3	60	LINE 13-1
9	PG-14B	COOLING WATER BLOWDOWN	0-100	50	60	LINE 14-1
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DTH 000104794

 QUOTATION WILL NOT BE CONSIDERED IF SUPPLIER DOES NOT COMPLETE RIGHT HAND
 COLUMN.

4/25/80

SHEET _____ OF _____ REV _____



Continental Oil Company
Engineering Center
Ponca City, Oklahoma
Pressure Instruments

SPECIFICATION SHEET

PROJECT NO. _____
A.F.E. NO. _____
DATE 9-4-79 INQ. NO. _____
MADE BY TBP REQ. NO. _____
APP'D. BY WRE P.O. NO. _____

Page 43

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

1	TAG NO		PS-1B (3)	
2	SERVICE		INERT VENT TO	
3			INCINERATORS	
4	INSTRUMENT TYPE		PRESSURE SWITCH	
5	LOCATION		LINE HM-1	
6	RANGE, PSIG		0-5 (1)	
7	ELEMENT			
8	TYPE	MATERIAL		
9	LOCATION			
10	TEMPERATURE °F			
11	PRESSURE PSIG			
12	VALVE TYPE			
13				
14	LOCATION			
15	MATERIAL			
16	BODY SIZE	PORT SIZE		
17	PLUG FORM			
18	Δ P	MIN.	NOR.	MAX.
19	CALC. Cv	VALVE Cv		
20	AIR TO OPEN OR CLOSE			
21	MAX. SHUTOFF Δ P			
22	FLUID		VCM/INERTS	
23	TEMPERATURE °F		0/40	
24	PRESSURE PSIG		2	
25	°API (M.W.)		(42.4)	
26	SP. GR. AT STD. COND.		1.46 (2)	
27	SP. GR. AT P.&T.		1.73	
28	WEIGHT % VAPOR IN-OUT		100/100	
29	VISCOSITY AT P.&T. cP		0.014	
30	RATE, NORMAL SCFH		500	
31	RATE	MAX.	MIN.	SCFH
32	1000 0			
32	NOTES:			

- (1) TO BE CONFIRMED BY VENDOR
- (2) BASIS: S.G. of AIR = 1
- (3) PS-1B WILL BE CONNECTED TO THE DOUBLE BLOCK AND BLEED ON BOTH THE INERT VENT LINE TO THE EXISTING INCINERATOR AND THE INERT VENT LINE TO THE SPARE INCINERATOR (H-1B) TO ALLOW SHUTDOWN OF BOTH LINES (SEE WORK LIST ITEM No. 11)
- PS-1B SIGNAL WILL ALSO GO TO THE LOCAL CONTROL PANEL TO TIE INTO PAH-1B / PSD-1B.

DTH 000104795

4/25/80

SHEET 1 OF 1 REV. _____



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET

 AFE NO. _____
 DATE _____ W O NO _____
 MADE BY WRT INQ. NO _____
 APP'D BY WRT REQ. NO. _____
 B.M. NO. _____ P O NO _____

 PLANT ABERDEEN PVC PROJECT SPARE INCINERATOR

 ITEM NO. RD-1
 SERVICE AF-3B

 DESCRIPTION: RD-1 WILL BE INSTALLED ON AF-3B
IMMEDIATELY UPSTREAM OF SV-SR.
LIQUID SEAL FLAME ARRESTOR VENDOR WILL
DETERMINE REQ'D SIZE OF RD-1 BASED
ON EMERGENCY VENT REQ'TS OF AF-3B.
RD-1B WILL BE A BS&B PRE-SCORED,
REVERSE BUCKLING DISC. MOC IS 316 SS.
CONVENTIONAL RUPTURE DISC HOLDER.
INCLUDE A BLEED ASSEMBLY WITH
PRESSURE GAUGE & EXCESS FLOW VALVE
BETWEEN THE RUPTURE DISC & RELIEF VALVE
SET PRESSURE IS 150 PSIG AT 60°F.

DTH 000104796

4/25/80

SHEET _____ OF _____ REV _____



ENGINEERING CENTER

PONCA CITY, OKLAHOMA

SPECIFICATION SHEET

RELIEF VALVES

A.F.E. NO. _____

DATE 8-17-77 W. O. NO. _____MADE BY TBP INQ. NO. _____APP'D BY WRF REQ. NO. _____

B. M. NO. _____ P. O. NO. _____

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

GENERAL		SV-1B	SV-2B	SV-4B	SV-6B
1	ITEM NO. & TAG	SV-1B	SV-2B	SV-4B	SV-6B
2	RELIEVES EQUIPMENT NO.	CITY WATER LINE	S-4B	S-1B	D-1B
3	MANUFACTURER	CONSOLIDATED	CONSOLIDATED	CONSOLIDATED	CONSOLIDATED
4	MODEL NO.	1975C	1975C	1975C	1905DC
5		OR EQUAL	OR EQUAL	OR EQUAL	OR EQUAL
SERVICE CONDITIONS					
6	FLUID	WATER	WATER	WATER	ETHYLENE GLYCOL
7	STATE	LIQUID	LIQUID	LIQUID	LIQUID
8	REQUIRED CAPACITY				584 16/HR
9	MOL. WT. SP. GR.	18.02 1.0	18.02 1.0	18.02 1.0	62.07 1.11
10	VISCOSITY CP	0.9	0.9	0.9	17
11	COMPRESSIBILITY FACTOR				
12	DESIGN PRESS. OF EQUIPMENT PSIG	175 @ 150°F	175 @ 150°F	175 @ 150°F	150
13	PRESS. PSIG OPERATING RELIEVING	60 150	60 150	60 150	10 50
14	TEMP. FLOWING RELIEVING	75 -	75 -	75 -	AMBIENT
15	BACK PRESSURE	ATM	ATM	ATM	ATM
16	DIFFERENTIAL SET PRESSURE PSI	150	150	150	50
17	ACCUMULATION %	10			
18	BLOW DOWN %				
19					
BASIS OF SELECTION					
20	CODE REQUIREMENT				
21	FIRE EXPOSED AREA				
22	INSULATION THICKNESS				
23	OTHER BASIS	THERMAL	THERMAL	THERMAL	FIRE
24		EXPANSION	EXPANSION	EXPANSION	RELIEF
DESIGN DETAILS					
25	DESIGN TYPE	CONVENTIONAL	CONVENTIONAL	CONVENTIONAL	CONVENTIONAL
26	SEAT TYPE				
27	BONNET (OPEN OR CLOSED)	CLOSED	CLOSED	CLOSED	CLOSED
28	INLET SIZE, RATING, FACING	3/4" MALE SCREWED	3/4" MALE SCREWED	3/4" MALE SCREWED	1"-150#-RF
29	OUTLET SIZE, RATING, FACING	1" FEMALE SCREWED	1" FEMALE SCREWED	1" FEMALE SCREWED	2"-150#-RF
30	CALCULATED AREA				0.99
31	ORIFICE LETTER ACTUAL AREA in ²	0.06	0.06	0.06	D 0.110
MATERIALS					
32	BODY BONNET	CS CS	CS CS	CS CS	CS CS
33	SEAT & DISK	SS	SS	SS	SS
34	GUIDE & RING				
35	SPRING	CS	CS	CS	CS
36	BELLOWS				
ACCESSORIES					
37	LIFTING LEVER (PLAIN OR PACKED)				
38	GAG				DTH 000104797
39	CODE STAMP				
40	CAP (SCREWED OR BOLTED)				
41	OTHER				

NOTES:

MANUFACTURER SHALL VERIFY SELECTION OF ORIFICE SIZE AND MATERIALS.

VALVES SHALL MEET DIMENSION REQUIREMENTS OF API RP-526.

VALVES SHALL MEET TEST REQUIREMENTS OF API RP-527.

SUPPLIER TO COMPLETE FORM BY FURNISHING
INFORMATION FOR BLANK SPACES

SHEET _____ OF _____ REV. _____

4/25/80



ENGINEERING CENTER

PONCA CITY, OKLAHOMA

SPECIFICATION SHEET

RELIEF VALVES

A.F.E. NO. _____

DATE _____

W. O. NO. _____

MADE BY WRF

ING. NO. _____

APP'D BY WRF

REQ. NO. _____

S. M. NO. _____

P. O. NO. _____

PLANT ABERDEEN PVC PROJECT SPARE ENGINEERATOR

GENERAL					
1	ITEM NO. & TAG	50-53			
2	RELIEVES EQUIPMENT NO.	AF-33			
3	MANUFACTURER	CONSOLIDATED			
4	MODEL NO.				
5		OR EQUAL			
SERVICE CONDITIONS					
6	FLUID	(1)			
7	STATE				
8	REQUIRED CAPACITY				
9	MOL. WT.				
	SP. GR.				
10	VISCOSITY				
11	COMPRESSIBILITY FACTOR				
12	DESIGN PRESS. OF EQUIPMENT				
13	PRESS. OPERATING				
	RELIEVING				
14	TEMP. FLOWING				
	RELIEVING				
15	BACK PRESSURE	0			
16	DIFFERENTIAL SET PRESSURE, PSI	150			
17	ACCUMULATION %	10			
18	SLOW DOWN %				
19					
BASIS OF SELECTION					
20	CODE REQUIREMENT	(1)			
21	EXPOSED AREA				
22	INSULATION THICKNESS				
23	OTHER BASIS				
24					
DESIGN DETAILS					
25	DESIGN TYPE	CONVENTIONAL			
26	SEAT TYPE				
27	BONNET (OPEN OR CLOSED)	CLOSED			
28	INLET SIZE, RATING, FACING	(1)			
29	OUTLET SIZE, RATING, FACING	(1)			
30	CALCULATED AREA	(1)			
31	ORIFICE LETTER				
	ACTUAL AREA	(1)			
MATERIALS					
32	BODY	CS			
	BONNET	CS			
33	SEAT & DISK	SS			
34	GUIDE & RING				
35	SPRING	CS			
36	BELLOWS				
ACCESSORIES					
37	LIFTING LEVER (PLAIN OR PACKED)				
38	GAG				
39	CODE STAMP				
40	CAP (SCREWED OR BOLTED)				
41	OTHER				

DTH 000104798

NOTES: (1) AF-33 VENDOR WILL SPECIFY RELIEF REQUIREMENTS.
 MANUFACTURER SHALL VERIFY SELECTION OF ORIFICE SIZE AND MATERIALS.
 VALVES SHALL MEET DIMENSION REQUIREMENTS OF API RP-526.
 VALVES SHALL MEET TEST REQUIREMENTS OF API RP-527.

4/25/80

SUPPLIER TO COMPLETE FORM BY FURNISHING
 INFORMATION FOR BLANK SPACES

SHEET _____ OF _____ REV. _____



ENGINEERING CENTER

PONCA CITY, OKLAHOMA
SPECIFICATION SHEET
TEMPERATURE INSTRUMENTS

A.F.E. NO. _____
DATE 9-5-79 W.O. NO. _____
MADE BY TBP INQ. NO. _____
APP'D BY WRF REQ. NO. _____
B.M. NO. _____ P.O. NO. _____

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

1	TAG NO.	TIC-1B	TIC-2B	TAL-1B	TAH-1B
2	SERVICE	STEAM	FUEL GAS	H-1B	H-1B
3		(1)	(1)	COMBUSTION ZONE	COMBUSTION ZONE
4	INSTRUMENT TYPE	INDICATOR	INDICATOR	LOW TEMP ALARM	HIGH TEMP ALARM
5	LOCATION	CONTROL ROOM	CONTROL ROOM	CONTROL ROOM	CONTROL ROOM
6	RANGE °F	2000-3000 (4)	2000-3000 (4)	(2)	(2)
7	ELEMENT TYPE	PYROMETER (3)	PYROMETER (3)	PYROMETER (3)	PYROMETER (3)
8	LOCATION	LOCAL	LOCAL	LOCAL	LOCAL
9	TEMPERATURE °F	(2)	(2)	(2)	(2)
10	PRESSURE PSIG	0-1	0-1	0-1	0-1
11	VALVE TYPE	(3)	(3)		
12					
13	LOCATION				
14	MATERIAL				
15	BODY SIZE				
16	PLUG FORM				
17	ΔP MIN. NOR. MAX.				
18	CALC. Cv VALVE Cv				
19	AIR TO OPEN OR CLOSE				
20	MAX. SHUTOFF ΔP				
21	FLUID				
22	TEMPERATURE °F				
23	PRESSURE PSIG				
24	°API (M.W.)				
25	SP. GR. AT STD. COND.				
26	SP. GR. AT P. & T.				
27	WEIGHT % VAPOR IN-OUT				
28	VISCOSITY AT P & T				
29	RATE, NORMAL				
30	RATE:				
31	MAX MIN				
32	NOTES				

- (1) SET POINT OF TIC-2B TO BE 400°F LESS THAN TIC-1B.
- (2) CONOCO WILL SUPPLY THE TEMPERATURE CONTROLLERS AND ALARMS. SET POINT TO BE SPECIFIED BY INCINERATOR VENDOR.
- (3) INCINERATOR VENDOR IS TO SUPPLY CONTROL VALVES, PYROMETERS, AND TAKE-OFF LEADS AT THE INCINERATOR. (PYROMETER SIGNAL TO BE 4-20 MA).
- (4) TO BE CONFIRMED BY VENDOR.

DTH 000104799

4/25/80

SHEET 1 OF 2 REV _____



ENGINEERING CENTER

PONCA CITY, OKLAHOMA
SPECIFICATION SHEET
TEMPERATURE INSTRUMENTS

A.F.E. NO. _____
DATE 9-13-79 W.O. NO. _____
MADE BY TBP INQ. NO. _____
APP'D BY WRF REQ. NO. _____
B.M. NO. _____ P.O. NO. _____

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

1	TAG NO.	TSD/TAH-2B	TAH-3B	TSA-5B	TI-4B
2	SERVICE	H-1B	QUENCH EFFLUENT	AR-1B	QUENCH EFFLUENT
3		COMBUSTION ZONE	OUTLET TEMPERATURE	DELETED	OUTLET TEMPERATURE
4	INSTRUMENT TYPE	HIGH TEMP (1)	HIGH TEMP ALARM		INDICATOR
5	LOCATION	CONTROL ROOM	CONTROL ROOM		LOCAL
6	RANGE °F	2000-3000 (2)	(2)		(6)
7	ELEMENT TYPE	PYROMETER (3)	(4) + (5)		(4)
8	LOCATION	LOCAL	LOCAL		
9	TEMPERATURE °F	(2)	(2)		
10	PRESSURE PSIG	0-1	0-1		
11	VALVE TYPE				
12					
13	LOCATION				
14	MATERIAL				
15	BODY SIZE				
16	PLUG FORM				
17	ΔP	MIN.	NOR.	MAX.	
18	CALC. CV				
19	AIR TO OPEN OR CLOSE				
20	MAX. SHUTOFF ΔP				
21	FLUID				
22	TEMPERATURE °F				
23	PRESSURE PSIG				
24	°API (M.W.)				
25	SP. GR. AT STD. COND.				
26	SP. GR. AT P. & T.				
27	WEIGHT % VAPOR IN-OUT				
28	VISCOSITY AT P & T				
29	RATE, NORMAL				
30	RATE				
31	MAX	MIN			
32	NOTES				

- (1) ALARM INTERLOCKED INTO INCINERATOR SHUTDOWN CONSOLE (INCINERATOR IS TO AUTOMATICALLY SHUTDOWN).
- (2) SET POINT IS TO BE SPECIFIED BY INCINERATOR VENDOR.
- (3) SIGNAL (4-20 ma) IS FROM PYROMETER SUPPLIED BY INCINERATOR VENDOR (SIGNAL TO TIC-1B/TIC-2B).
- (4) INCINERATOR VENDOR IS TO SUPPLY TRANSMITTER AND TAL/TSD AT THE LOCAL PANEL.
- (5) TAH-3B RECEIVES SIGNAL FROM TI-4B.
- (6) VENDOR TO SPECIFY INSTRUMENT RANGE.

DTH 000104800

4/25/80

SHEET 2 OF 2 REV _____



ENGINEERING CENTER

PONCA CITY, OKLAHOMA
SPECIFICATION SHEET
TEMPERATURE GAUGES

A.F.E. NO. _____
DATE 8-17-79 W.O. NO. _____
MADE BY TBP INQ. NO. _____
APP'D BY WRE REQ. NO. _____
B.M. NO. _____ P.O. NO. _____

PLANT ABERDEEN PVC PLANT PROJECT SPARE INCINERATOR

1	TAG		INSTRUMENT	OPERATING	
2	NO.	SERVICE	RANGE, °F (1)	TEMP, °F	LOCATION
3	<u>TG-3B</u>	<u>VCM/INERTS</u>	<u>0-100</u>	<u>40</u>	<u>AF-3B</u>
4					
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(1) ALL GAUGE ELEMENTS TO BE BIMETALLIC UNLESS OTHERWISE NOTED.

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DTH 000104802

QUOTATION WILL NOT BE CONSIDERED IF SUPPLIER DOES NOT COMPLETE RIGHT HAND COLUMN.

4/25/80

SHEET _____ OF _____ REV _____

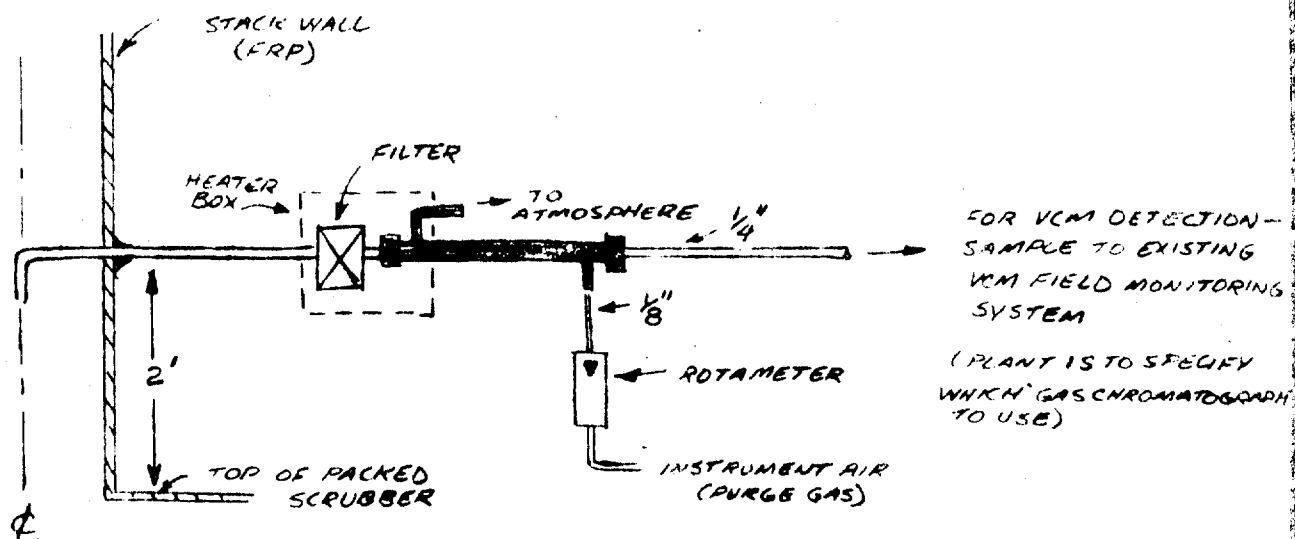


ENGINEERING CENTER
PONCA CITY, OKLAHOMA
SPECIFICATION SHEET

A F E NO _____
DATE 3-11-77 W O NO _____
MADE BY LAH I N O NO _____
APP O BY WBF R E Q NO _____
B M NO _____ P O NO _____

PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM (SPARE)

ITEM NO _____
SERVICE SAMPLING SYSTEM - REMOVAL OF WATER FROM STACK EFFLUENT



NOTES:

(1) DISTANCE BETWEEN STACK WALL AND FILTER IS TO BE MINIMIZED. SAMPLING SYSTEM TO BE ACCESSIBLE FROM STACK PLATFORM

(2) SAMPLE CONDITIONS: FLOW: 6 CFH (MAX)

STACK TEMPERATURE: 140°F (180°F MAX)

[SATURATED WITH WATER AT STACK TEMP (X140°F) & ATMOSPHERIC PRESSURE AT NORMAL CONDITIONS]

CONTAINS: < 5 ppm VCM, < 50 ppm Cl₂ & HCl

(3) SAMPLE LINE SHALL BE 1/4" POLYETHYLENE HD TUBING (CABOT-XL OR EQUAL). MUST WITHSTAND MAXIMUM OPERATING TEMPERATURE OF 200°F.

DTH 000104803

(4) HEATER, FILTER, & DRYER FROM PERMA PURE PRODUCTS

BOX 70, OCEANPORT, N.J.

DRYER - MODEL PD-625-245

STAINLESS STEEL SHELL WITH KYNAR END FITTINGS

4/25/80



ENGINEERING CENTER

 PONCA CITY, OKLAHOMA
 SPECIFICATION SHEET

 AFE NO _____
 DATE 3-11-77 W O NO _____
 MADE BY EMI INQ NO _____
 APP'D BY L. L. REC'D NO _____
 B M NO _____ P O NO _____

 PLANT ABERDEEN PVC PLANT PROJECT INERT VENT INCINERATION SYSTEM
(SPARE)

 ITEM NO.
 SERVICE SAMPLING SYSTEM

(5) ROTAMETER - MUST HAVE SELF CONTAINED NEEDLE VALVE
 TO ADJUST AIR FLOW RATE. TRANSPARENT METERING TUBE
 INSTRUMENT AIR 2" BELOW: 15 CFH (MAX)

TEMP: AMBIENT - DEW POINT: 5°F

PRESS: 75 PSIG 100 PSIG (MAX)

MATERIALS OF CONSTRUCTION MUST BE SUITABLE
 FOR OUTSIDE LOCATION.

(6) EXISTING FIXED POINT MONITORING SYSTEM TO BE
 MODIFIED AS REQUIRED TO ANALYZE THE INCINERATOR
 VENT STREAM. RANGE OF INCINERATOR VENT STREAM
 ANALYSIS IS TO BE 0 TO 5 ppm VCM WITH ALARM AT
 4 ppm OR GREATER. ALARM IS TO BE SEPARATE FROM
 OTHER POINTS USED FOR AMBIENT AIR MONITORING.
 RANGE AND ALARM SET POINTS ARE TO BE CONFIRMED
 BEFORE INSTALLATION PER EPA'S VINYL CHLORIDE
 EMISSION STANDARD.

DTH 000104804

4/25/80

SHEET 2 OF 2 REV