

Inter-Organization Correspondence

2nd FL. 414

OCT 15

RF Goodrich

TO	FIELD POINT OR AKRON DEPARTMENT & BLDG. NO.	DATE YOUR LETTER
L. A. Bennett	Avon Lake Technical Center	
FROM	FIELD POINT OR AKRON DEPARTMENT & BLDG. NO.	DATE THIS LETTER
G. F. Wilson	Avon Lake Technical Center	10/24/75
SUBJECT		

Bldg. 414 Area Monitoring Log 9/30/75 to 10/6/75

Date/Shift

Comments

10-1
2-B

Rupture disc on 15 gallon poly blew and some vinyl leaked out of fitting just above the rupture disc. This, along with the VCM that may be drawn back into the building through holes in the roof and walls produced readings of 84 ppm on the sensor by the filter crotch and 32 ppm over the fire door. Area was checked with OVA and levels were back to normal within a few minutes.

10-4
5-C

Trying to strip vapors from SA poly with very little wind. VCM coming back into the building where sensor over by D poly, registered 101 ppm, filter crotch sensor was 21 ppm and the sensor by the fire doors showed 5 ppm. The readings quickly dropped below 2 ppm as soon as the vent was closed. This is the first time in about a month that any readings reached 100 ppm or more. A taller vent stack is being installed to reduce this situation.

cc: R. M. Kreager
C. Orben-N. Wearsch-J. Alten
F. Zieber
D. Barnicki-P. DeChant-V. Carson
F. Krause-D. Popovich
G. Wilson
✓ L. Bennett - 2

10-5
6-B

Venting D Poly - 5ppm

10-6
7-B & C

A charge was going out of control so a portion of it was vented to the 3000 BDT. The vent line was open during transfer and a large amount (27 ppm) of VCM was drawn back into the building. The alarms occurred right between B and C shifts. Because the log was terminated immediately after this excursion these readings resulted in very high shift averages, since the shift was only 26 minutes. Therefore, these averages should be discounted.

General - Not a bad week, except for two large excursions when a 15 gallon poly rupture disc assembly leaked and when the venting of A poly came back into the building. No report from lab 13 since THA was out of service.

DEPT 30-346

 ** --- ARGO II -- ALTC BLDG 414 AIR MONITORING SYSTEM --- **

ARGO NUMBER 2805 ARGO REACTOR NUMBER 37 BUILDING NUMBER 414 LOG OUT TIME : 16 26 --- 10 6 1975

ARGO CHANNEL	371	372	373	374	375	376	
STREAM NUMBER	1	2	3	4	5	6	YELLOW LIGHTS - 5. PPM
SENSOR POSITION	10	11	12	13	14	16	RED LIGHTS ---- 25. PPM
ALARM CONNECTIONS	25	25	36	14	14	14	ALL HORNS ----- 99. PPM
							COMMENTS ----- 3. PPM

SENSOR	FLOOR	LOCATION	ALARM	FLOOR	BLDG.
10	2	BY FIREDOR	1	3	EAST
11	2	OVER BU TANK	2	2	EAST
12	1	BY VCL TANK	3	1	EAST
13	3	OVER D POLY	4	3	SOUTH
14	3	FILTER CROCK	5	2	SOUTH
15	3	15 GAL POLYS	6	1	SOUTH
16	3	BY FIREDOR			

SHIFT NUMBER	ELAPSED MINUTES	BUILDING AVE/STD	STREAM 1 AVE/STD	STREAM 2 AVE/STD	STREAM 3 AVE/STD	STREAM 4 AVE/STD	STREAM 5 AVE/STD	STREAM 6 AVE/STD	% OVER 5. PPM	% OVER 25. PPM	% OVER 99. PPM
1 - B	302.	0.33 0.73	0.35 1.35	0.70 2.14	-0.03 0.17	0.27 0.53	0.46 0.51	0.46 0.53	1.99	0.00	0.00
1 - C	480.	0.66 0.62	0.38 0.61	0.34 0.61	0.32 0.63	1.20 1.26	0.92 0.70	0.77 0.63	0.00	0.00	0.00
2 - A	480.	0.26 0.20	0.30 0.17	0.02 0.11	0.03 0.13	0.09 0.17	0.44 0.22	0.64 1.13	0.63	0.00	0.00
2 - B	479.	0.93 3.73	0.14 0.39	-0.06 0.05	-0.00 0.06	0.10 0.18	3.81 16.60	1.41 6.14	1.25	1.25	0.00
2 - C	480.	0.39 0.37	0.27 0.66	0.16 0.51	0.18 0.24	0.68 0.72	0.69 0.49	0.39 0.30	0.00	0.00	0.00
3 - A	480.	0.68 0.74	0.46 1.28	0.45 0.92	0.30 0.33	0.69 0.62	1.49 1.64	0.70 0.90	1.24	0.00	0.00
3 - B	480.	0.16 0.09	0.03 0.06	0.00 0.10	0.14 0.17	0.17 0.25	0.49 0.29	0.15 0.09	0.00	0.00	0.00
3 - C	480.	0.24 0.16	0.00 0.13	-0.00 0.12	0.09 0.11	0.20 0.36	0.54 0.32	0.53 0.61	0.00	0.00	0.00

NGC 23708

CONTINUED ON NEXT PAGE --- 2805 ARGO II

 2805 ARGO II BUILDING 414 AIR MONITORING SYSTEM 16 26 - 10 6 1975 PAGE 2 *

SHIFT NUMBER	ELAPSED MINUTES	BUILDING AVE/STD	STREAM 1 AVE/STD	STREAM 2 AVE/STD	STREAM 3 AVE/STD	STREAM 4 AVE/STD	STREAM 5 AVE/STD	STREAM 6 AVE/STD	% OVER 5. PPM	% OVER 25. PPM	% OVER 99. PPM
4 - A	480.	0.48 0.27	0.37 0.34	0.14 0.18	0.21 0.37	0.48 0.35	0.96 1.06	0.71 0.45	0.63	0.00	0.00
4 - B	480.	0.12 0.13	0.03 0.10	-0.03 0.06	0.04 0.19	0.18 0.52	0.37 0.21	0.15 0.17	0.00	0.00	0.00
4 - C	480.	0.37 0.34	0.09 0.22	0.13 0.29	0.01 0.09	0.77 1.07	0.75 0.38	0.45 0.56	0.00	0.00	0.00
5 - A	480.	0.48 0.41	0.24 0.11	0.09 0.07	0.25 0.09	0.40 0.17	1.01 0.24	0.86 2.29	0.63	0.00	0.00
5 - B	480.	0.53 0.40	0.42 0.44	0.16 0.37	0.53 0.48	0.54 0.62	0.97 0.47	0.54 0.37	0.00	0.00	0.00
5 - C	480.	1.32 3.93	0.28 0.30	0.16 0.30	0.50 0.66	4.65 19.07	1.59 3.80	0.71 0.95	1.88	0.63	0.63
6 - A	480.	0.57 0.81	0.32 0.25	0.15 0.32	0.39 0.34	1.03 2.95	0.97 1.42	0.60 0.68	1.25	0.00	0.00
6 - B	480.	0.70 0.57	0.38 0.52	0.53 1.84	0.36 0.46	0.99 0.68	1.05 1.12	0.87 0.88	1.25	0.00	0.00
6 - C	480.	0.26 0.20	0.21 0.17	0.04 0.11	0.00 0.19	0.19 0.31	0.52 0.30	0.49 0.43	0.00	0.00	0.00
7 - A	480.	0.26 0.40	0.05 0.07	0.03 0.32	-0.02 0.05	0.33 1.26	0.80 1.16	0.39 0.29	1.25	0.00	0.00
7 - B	480.	0.95 2.18	-0.01 0.05	-0.04 0.18	-0.05 0.07	1.27 2.61	3.06 8.09	1.56 4.63	3.01	1.73	0.00
7 - C	26.	2.98 1.67	0.02 0.07	0.07 0.18	0.10 0.05	0.40 0.37	2.28 0.48	13.09 6.26	14.74	3.23	0.00
TOTAL	8967.	0.52 0.57	0.23 0.24	0.15 0.18	0.18 0.23	0.76 1.18	1.11 1.29	0.69 0.97	0.81	0.20	0.03
WORST SHIFT		2.98 7 C	0.46 3 A	0.70 1 B	0.53 5 B	4.65 5 C	3.81 2 B	13.09 7 C	14.74 7 C	3.23 7 C	0.63 5 C

NGC 23709

 BEGIN COMMENTS *****

STARTING UP AIR MONITOR LOG @ 10:50 TUE. SEPTEMBER 30, 1975
 DROPPING WASH H2O FROM SA, PUT A HOSE ON IT. 1310. SM SNITZ
 STREAM 4 17 MINUTES 2 PPM MAX 13 15 FINAL 9 30 1975

 CONTINUED ON NEXT PAGE --- 2805 ARGO II *****

		STREAM 6	17 MINUTES	2 PPM MAX	13 21 FINAL	9 30 1975	
	/	STREAM 1	17 MINUTES	6 PPM MAX	13 24 FINAL	9 30 1975	1
	/	STREAM 2	17 MINUTES	9 PPM MAX	13 27 FINAL	9 30 1975	
		STREAM 5	17 MINUTES	2 PPM MAX	13 36 FINAL	9 30 1975	1
		STREAM 4	17 MINUTES	2 PPM MAX	19 34 FINAL	9 30 1975	
	3	STREAM 5	17 MINUTES	2 PPM MAX	20 31 FINAL	9 30 1975	
		STREAM 4	53 MINUTES	5 PPM MAX	20 46 FINAL	9 30 1975	venting D. poly
		STREAM 2	16 MINUTES	2 PPM MAX	20 57 FINAL	9 30 1975	
		STREAM 6	17 MINUTES	2 PPM MAX	21 10 FINAL	9 30 1975	
		STREAM 5	17 MINUTES	2 PPM MAX	21 43 FINAL	9 30 1975	
		STREAM 6	17 MINUTES	2 PPM MAX	21 46 FINAL	9 30 1975	
		STREAM 4	53 MINUTES	3 PPM MAX	21 50 FINAL	9 30 1975	
		STREAMS 2, 4, 5, 6, TIME 2031, 2153 2T05 PPM VENTING D-POLY					
		NO AIR MOVEMENT					
	/	STREAM 6	17 MINUTES	6 PPM MAX	5 34 FINAL	10 1 1975	changing D. small leak
		STREAM 6 TIME 5:34 6 PPM CHGNG VCL TO PREMIX SMALL LEAK					
		RED ALARM 84 PPM AT 1453, FILTER CROCK, SNITZ					
		BLEW RD ON F POLY AT 1450 HR., STREAM 5, 83 PPM, CHECK WITH					
		OVA AT 1455 HR. SHOWED ALL CLEAR S. N.					
	/	STREAM 5	17 MINUTES	84 PPM MAX	15 6 FINAL	10 1 1975	blew rupture disc F. poly
	/	STREAM 6	17 MINUTES	32 PPM MAX	15 9 FINAL	10 1 1975	" " "
		STREAM 5	17 MINUTES	2 PPM MAX	20 30 FINAL	10 1 1975	
		STREAM 1	17 MINUTES	4 PPM MAX	21 30 FINAL	10 1 1975	
		STREAM 2	17 MINUTES	3 PPM MAX	21 33 FINAL	10 1 1975	
		STREAM 4	17 MINUTES	2 PPM MAX	21 39 FINAL	10 1 1975	
		STREAM 4	17 MINUTES	2 PPM MAX	23 9 FINAL	10 1 1975	
		STREAM 5	17 MINUTES	3 PPM MAX	0 42 FINAL	10 2 1975	
		STREAM 4	35 MINUTES	3 PPM MAX	1 51 FINAL	10 2 1975	
		STREAM 5	17 MINUTES	2 PPM MAX	2 30 FINAL	10 2 1975	
	/	STREAM 2	17 MINUTES	3 PPM MAX	4 45 FINAL	10 2 1975	
	/	STREAM 5	17 MINUTES	9 PPM MAX	5 30 FINAL	10 2 1975	vent 200 gal
	/	STREAM 6	17 MINUTES	5 PPM MAX	5 33 FINAL	10 2 1975	" "
		STREAM 1	17 MINUTES	7 PPM MAX	5 36 FINAL	10 2 1975	" "
		STREAM 2	17 MINUTES	4 PPM MAX	5 39 FINAL	10 2 1975	" "
		STREAM 5 TIME 0 42 3PPM VENTING SMALL VCL BOTTLE					
		STREAMS 4 5 TIME 1 51 2 30 3, 2 PPM ABORTED CHG TO 3000 VENTI					
		STREAMS 1, 2, 5, 6, TIME 5 30 5 39 4T02 PPM VENTING AND					
		STRIPPING SA POLY D-POLY 3000 WASH TK. WIND DIED DOWN NORTHE					
		AST WIND					
	/	STREAM 5	17 MINUTES	2 PPM MAX	6 6 FINAL	10 2 1975	
	/	STREAM 5	17 MINUTES	6 PPM MAX	7 0 FINAL	10 3 1975	
		STREAM 5 6PPH, 0700 FINAL 10-3-75; OPENED 30 GALLON POLY, A CAR					
		WHEEL WAS FOUND. THIS CAUSED THE EXCURSION.					opened 20 gal - controlled
		STREAM 4	17 MINUTES	4 PPM MAX	21 21 FINAL	10 3 1975	
		STREAM 4	17 MINUTES	4 PPM MAX	21 57 FINAL	10 3 1975	
		0442 TRANS. SA 377 TO 3000, VENTING 3000, SNITZ					
		ANWAY ON 3000 LEAKING SLIGHTLY, PLACED HOOD AND HOSE ON IT.					
	/	STREAM 6	17 MINUTES	12 PPM MAX	4 57 FINAL	10 4 1975	monitored leaking
	/	STREAM 4	17 MINUTES	101 PPM MAX	23 9 FINAL	10 4 1975	stripping SA
	/	STREAM 5	17 MINUTES	21 PPM MAX	23 12 FINAL	10 4 1975	
	/	STREAM 6	17 MINUTES	5 PPM MAX	23 15 FINAL	10 4 1975	
		STREAMS 4, 5, & 6 2300 STRIPPING SA					

NGC 2371