

Dave Givens
Rem Iuliano

November 11, 1980

for your info

N/R → Ken Kemick

BFGOODRICH CHEMICAL DIVISION
HENRY GENERAL CHEMICALS PLANT

VINYL CHLORIDE TASK FORCE MEETING

DISTRIBUTION: E. C. Martinelli - G. D. Schaaf
J. D. Fannin
R. W. Birch - T. Galioto
~~M. D. Rider~~ **COPY FOR**
C. J. Nosal
H. Waltemate
E. B. Katzenmeyer
H. H. Marty
A. W. Otto
K. D. Konter
D. E. Giffin
W. A. Edwards
K. W. Prather - E. V. Dunbar (2)
K. E. Musselman - A. W. Bade
W. A. Semmens
C. V. Male
J. D. Krumholz
M. E. Brummitt
S & E Operators
M. W. Reynolds
D. G. Friesz (3)

NGC 18043

To: L. V. Goode

Henry Plant

From: D. G. Friesz

Henry Plant

November 11, 1980

Subject: Vinyl Chloride Task Force Meeting, November 7, 1980

Attending: D. E. Giffin K. W. Prather D. G. Friesz W. A. Semmens
 K. D. Konter M. W. Reynolds H. A. Sprague W. A. Edwards
 K. E. Musselman

A. General Discussion

1. The next VCL Task Force Meeting is scheduled for Friday, December 5th at 12:30 p.m. NO FURTHER NOTICE WILL BE GIVEN.

B. Monitoring Status

1. Over the four week period from October 3 to October 30, there were 628 excursions > 3 ppm and 107 > 15 ppm. Exhibit A shows the major causes of these excursions. Exhibit B shows the types of excursions graphically by histogram.

2. Bendix Building Monitor

The calculated building average for the 4 week period was 1.1 ppm.

3. Personnel Monitoring

There were 15 personnel monitoring samples that were > 1 ppm for the 4 week period. Exhibit C lists those persons exposed to VCL in excess of 1 ppm.

The October personnel monitoring average was 1.23 ppm for Suspension and 0.91 for Dispersion.

C. Status of Short Term Projects (STPs)

1. EPA STPs

<u>PROJECT DESCRIPTION</u>	<u>D.J. NO.</u>	<u>ACTION TAKEN</u>	<u>ASSIGNED</u>	<u>TARGET DATE</u>
a. Characterize WWS Back-up System	----	Investigate additional heating for F-5 runs.	M. W. Reynolds	11/80
b. Increase reaction time of Suspension burp valves	2859	Valves will be in next week.	D. E. Giffin	----
c. Install a low pressure alarm for burp valve actuation	----	The equipment is in and a W/O has been written.	K. W. Prather	----
d. Establish a rupture disc training program for PVC operators	----	In building training will be conducted by an experienced operator. A training film and R/D seminar will also be utilized.	D. G. Friesz	11/80
e. Upgrade Bendix 7000 polypropylene lines	----	Polypropylene tubing is in and W/O written.	D. G. Friesz	12/80

2. OSHA STPs

a. Investigate exhaust hoses for VGA area	----	The blower duct work is still waiting on electrical hookup.	J. M. Walt	11/80
b. Install panel warning lights on Bendix 7000 for VGA area monitoring station	----	Waiting on electrical installation of equipment.	M. W. Reynolds	11/80
c. Investigate VCL exposure from Dispersion Blend tanks	----	Will further investigate BT exhaust and opened manheads during dropping.	D. G. Friesz	11/80
d. Investigate replacement of Bendix 7000 chromatograph columns	----	New chromatograph columns and filter elements have been ordered.	D. G. Friesz	12/80
e. Resolve maintenance work notification difficulties between Maintenance Coordinators and S & E Operators.	----	A work order log book will now be kept for the Dispersion side.	K. W. Prather	----

NGC 18044

2. <u>OSHA STPs</u>				
<u>PROJECT DESCRIPTION</u>	<u>D.J. NO.</u>	<u>ACTION TAKEN</u>	<u>ASSIGNED</u>	<u>TARGET DATE</u>
* f. Investigate spray dryer operator VCI exposure	----		D. G. Friesz	-----
D. <u>Status of Long Term Projects (LTPs)</u>				
1. <u>OSHA LTPs</u>				
a. Install a system to contain HRC water from "D" side polys	2683	AR is now in Cleveland for approval.		-----
b. Fan to improve compressor area ventilation	2720	DJ is in Cleveland for approval	D. E. Giffin	-----
2. <u>EPA LTPs</u>				
a. Install relief valves on all polys	2592	Cancelled.	K. D. Konter	-----
b. Increase burp system relieving capacity from Dispersion polys	2849	FA in Cleveland for approval.	E. C. Nerad	-----
c. Install short-stop system on the burp tank	2852	Submitted to Al Otto for approval.	W. A. Semmens	-----
d. Investigate upgrading rupture discs from 220 to 250 psig	----	Waiting on Cleveland computer study results.		-----
e. Revise VGA to automatically switch to recirculation	Included in 2730	In for EA write-up.	M. W. Reynolds D. G. Friesz	-----
f. Resolve ventilation problems in ultra-filtration unit	----	THA from dryer building will be used to monitor the area. Midwest will be contacted for spot ventilation work.	E. W. Wilson	12/80

* New projects added since last meeting

NGC 18045

FOUR HIGHEST EXCURSION REASONS10-3-80 -- 10-16-80

1st - 123 Excursions

#10 - O'RINGS, VALVES AND GASKETS

10-6-80	(3)	28 ppm	-	Poly 9 s.u. leaking through
10-10-80	(3)	6 ppm	-	Poly 21, 2' valve open for bleed off
	(6)	4 ppm	-	Poly 13 fetterhoff fittings
	(4)	3 ppm	-	Poly 13 fetterhoff fittings
10-11-80	(3)	8 ppm	-	Poly 13 fetterhoff
10-12-80	(6)	5 ppm	-	1 and 2 pearl VCl meter control valve packings
10-13-80	(14)	6 ppm	-	Pearl No. 1 VCl meter handle packing
	(6)	14 ppm	-	Poly 21 cond. bleed off valve
	(5)	3 ppm	-	Pearl polys charge valve packings leak
	(3)	4 ppm	-	Poly 13 fetterhoff line
10-14-80	(8)	14 ppm	-	Poly 18 m.h. lead gasket
	(3)	11 ppm	-	Poly 18 o'ring
10-15-80	(7)	8 ppm	-	Poly 18 quick-fill line
	(3)	6 ppm	-	No. 2 transfer pump seal

2nd - 25 Excursions

#8 - COMPRESSOR TROUBLES, PUMP AND AGITATOR SEALS

10-11-80	(21)	100 ppm	-	Recovery system upset cleaning filter
----------	------	---------	---	---------------------------------------

3rd - 25 Excursions

#4 - INSUFFICIENT EXHAUST

10-13-80	(13)	31 ppm	-	B.T. No. too full for exhaust
10-10-80	(3)	6 ppm	-	HRC'ing poly no. 21 no exhaust

4th - 24 Excursions

6 - MISCELLANEOUS (MISOPERATION)

10-10-80	(3)	3 ppm	-	Bleed valve on separator filter open
10-12-80	(12)	100 ppm	-	Charged poly 26 vac. valve open
10-16-80	(3)	15 ppm	-	Opened s.u. to see if poly was empty

EXHIBIT A

FOUR HIGHEST EXCURSION REASONS

10-17-80 -- 10-30-80

1st - 40 Excursions

#10 - O'RINGS, VALVES AND GASKETS

10-22-80	(4)	5 ppm	-	No. 3 slurry feed pump
10-24-80	(9)	4 ppm	-	Poly No. 23 orange rec. valve bottom gasket
10-25-80	(6)	3 ppm	-	Poly No. 23 recovery valve gasket
10-27-80	(3)	22 ppm	-	Dropping poly No. 17 s.u. leaks through
10-30-80	(4)	100 ppm	-	Poly No. 30 insp. plate gasket

2nd - 35 Excursions

#6 - MISCELLANEOUS (MISOPERATION)

10-21-80	(14)	24 ppm	-	VC1 blowing out vacuum jet
	(7)	80 ppm	-	VC1 blowing out vacuum jet
10-27-80	(4)	100 ppm	-	Poly 32 recovery valve open pressured up poly 35
	(4)	65 ppm	-	Valve left open orange foam trap

3rd - 32 Excursions

#15 - SEWERING OF POLYS, ETC., TRANSFER POLYS, B/D TANK

10-18-80	(4)	24 ppm	-	Sewer column
10-27-80	(3)	16 ppm	-	Sewered poly No. 26 heel in bottom
10-29-80	(21)	100 ppm	-	Pumping out EDT No. 8 (1C) to EDT No. 1

4th - 23 Excursions

#12 - MISCELLANEOUS (EQUIPMENT)

10-21-80	(4)	4 ppm	-	Bled off charge valve spool piece
10-28-80	(9)	10 ppm	-	No. 2 slurry transfer pump seal
10-29-80	(3)	28 ppm	-	VC1 in "D" side water lines

NGC 18047

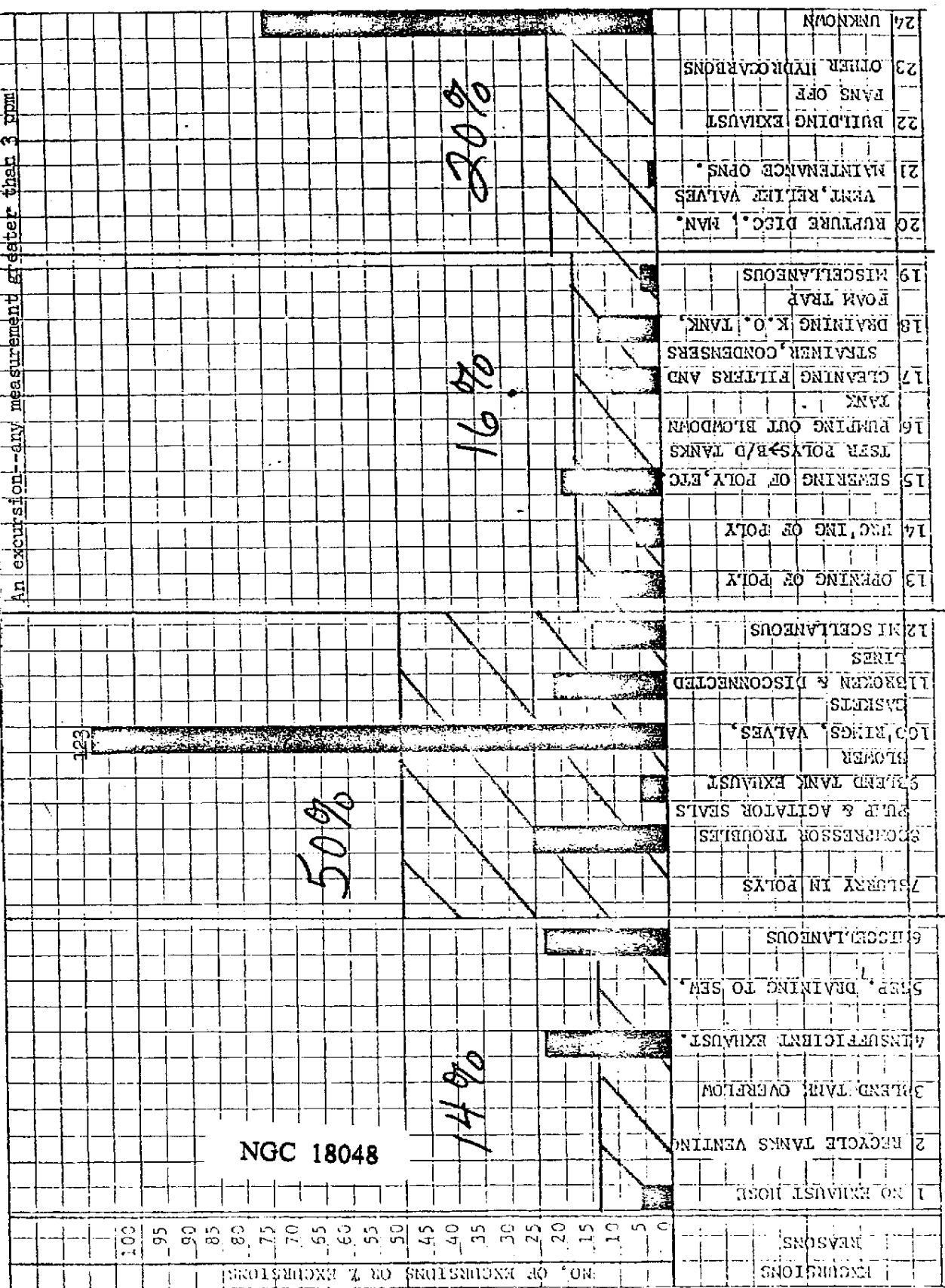
BFC-10339 1/74 PRINTED IN U.S.A. 35 BY 50 DIVISIONS

PERCENT OF EXCURSIONS VERSUS MAJOR CATEGORIES

10-3-80 - 10-16-80

FREQUENCY OF EXCURSIONS VERSUS SPECIFIC CAUSES

An excursion--any measurement greater than 3 ppm

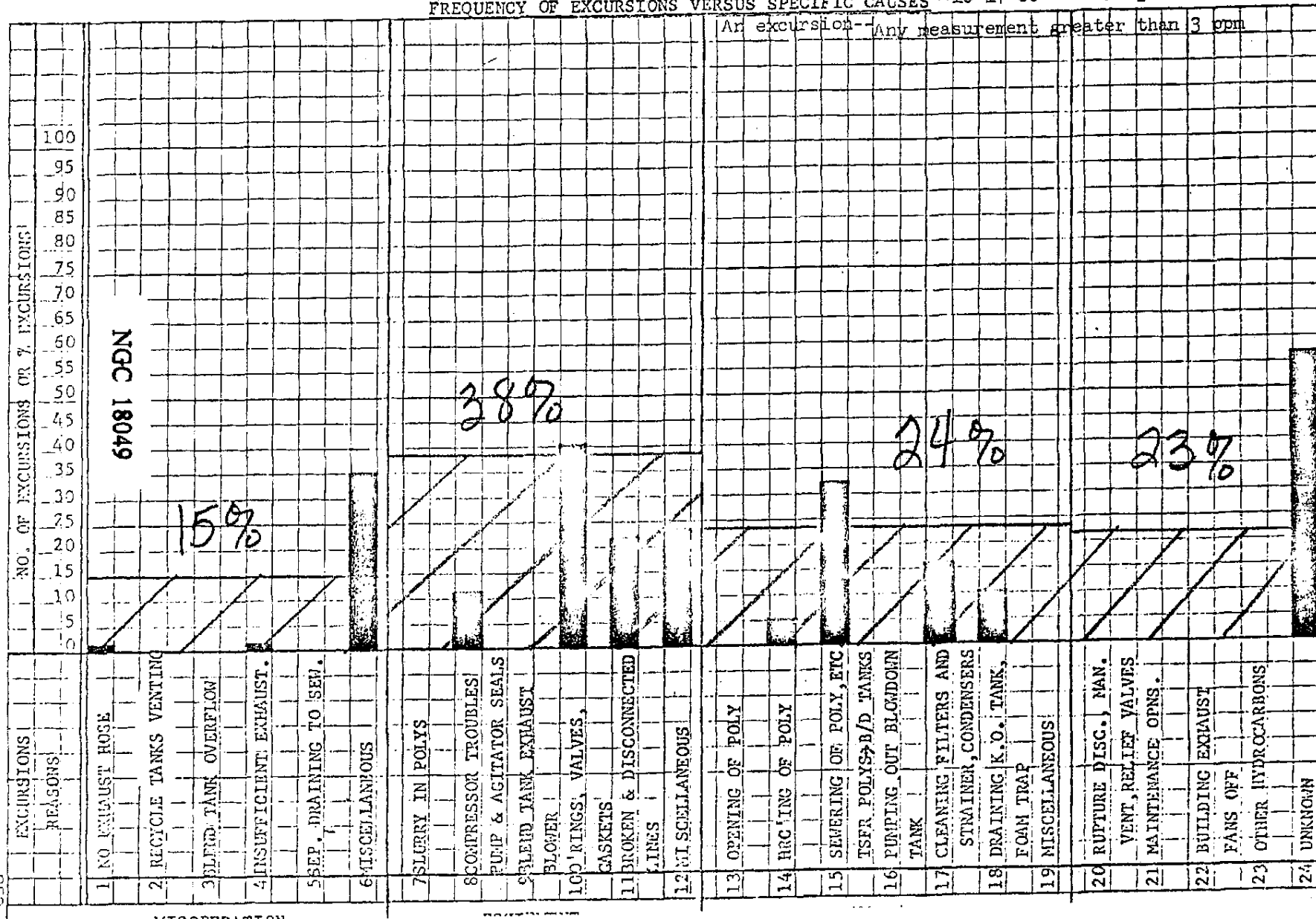


NGC 18048

TOTAL EXCURSIONS = 54

PERCENT OF EXCURSIONS VERSUS MAJOR CATEGORIES

FREQUENCY OF EXCURSIONS VERSUS SPECIFIC CAUSES 10-17-80 -- 10-30-80



TOTAL EXCURSIONS = 253

EXHIBIT B

10/3	Clayton, S. P.	011	731	2	1.23	No reason given.
10/11	Machroli, T.A.	015	731	2	5.16	On two red lights, dropped and cleaned three polys.
10/11	Male, E.C.	010	731	2	1.05	Red light.
10/13	Merdian, R.E.	015	731	2	3.43	Dropped 1 poly to losope blend tank, cleaned 4 poly
10/13	Heredia, L.A.	012	732	0	14.39	Spray dryer operator.
10/12	Martin, R.A.	028	731	2	4.26	In several red lights. Tracking down excursions.
10/14	Phillips, L.D.	009	731	2	7.91	In five red lights.
10/16	Skutt, A.J.	007	731	2	1.32	Changed sope bag filters twice and cartridge filter once.
10/20	Sapp, F. D.	019	731	0	11.83	In some yellow lights, worked on poly 18 s.u.
10/22	Gillespie, E.D.	015	731	2	1.60	Drop and clean sope polys.
10/23	Ahlersmeyer, K.W.	002	713	2	13.13	Cleaned a paste filter.
10/24	Bogner, M.A.	012	732	0	8.04	Spray dryer operator.
10/24	Skutt, A. J.	002	713	0	1.29	Worked in the poly bldg. most of the day on D side.
10/26	Nevitt, W.E.	010	731	2	5.48	Opened D side polys, and routine jobs.
10/27	Hastings, C.W.	015	731	2	1.83	In double light from Poly 32 recovery valve open, dropped 2 polys and hrc'd 2 polys.

NGC 18030

EXHIBIT C