

CHLORINATED METHANES PLANT COMMUNIQUE'

DATE: 9 / 27 / 1990

FROM: ALY Rizzo

SUBJECT: LATEST CHANGES IN R-300 MARK
PROGRAM

THIS FORM IS USED TO INSURE THE ATTACHED INFORMATION IS
COMMUNICATED TO ALL PLANT PERSONNEL. IF YOUR INITIALS ARE
BY YOUR NAME THE FOLLOWING COMMUNIQUE' HAS BEEN REVIEWED

----- ARMAND ----- BEIELER EX BICKHAM AB BLANCHARD
 ----- BOCK ----- BORDELON ML BOURG ----- BOURGEOIS
 ----- CLEBERT FL COOK F. JRC COOK J. ----- CRAWFORD
 ----- DAVIS BOB DONATTO LED DOUCET DRD DUGAS JE ZEKEY
 ----- ELLIS ----- GRANT ----- GRAVOUILLA JA HANEY
 ----- HARRISON OS JACK O. ----- JACK R. R JACKSON
 ----- JOHNSON ----- KIRSH ----- LONDON ----- MICHEL
 ----- MILLENDER ----- MONTGOMERY TH NOAH ----- PATTERSON
 ----- PIERCE ----- RIZZO VI SACKS ----- ~~XXXXXXXXXX~~
 ----- TOUCHET ----- TRICE KT WILLIAMS ----- WIEGLE
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9/12/90

TO: CMP Personnel

FROM: Stan Kirsch and Gary Rizzo

Subject: R-300 program enhancements

The following is a list of the more apparent program enhancements.

These enhancements are in the running R-300 simulation and Auto Doc of the program. All the listed enhancements have been covered informally during the recent training and testing sessions and is formalized here.

1. Shutdown Alarm(110) is active only in steps 103 thru 105; it is disabled once the program goes into step 106.
2. AO(102) the small M1 flow control valve ramps closed instead of shutting if the program goes to step 110 and this valve was open.
3. The program will step from step 103 to step 102 if the R-300 average bed temp becomes too low while in step 103.
4. AK(111) the CL2 load setpoint is set to zero anytime the program goes to step 107; so when going from step 107 to step 106 the CL2 load will not change, until a valid setpoint for AK(111) is entered.
5. The program remembers the CL2 flow when switching from M1 load control back to CL2 load control; so when going from M1 load control back to CL2 load control, the CL2 flow does not go back to the value of AK(111) but will hold the CL2 flow where it was at the instant the load control mode was switched until a valid setpoint for AK(111) is entered.
5. The AI & DI abort logic can now be simulated.
6. Warn alarm 137 will ring also if the liq M1 line pressure becomes too high.

Please contact Stan or Gary if you have any questions.

Thanks

Stan

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CHLORINATED METHANES PLANT COMMUNIQUE'

DATE: Sept 1 81 / 1990

FROM: Terry Varasseur

SUBJECT: CSTAT Program: This program will run
Automatically on The Lab Computer and Report SQL
Alarms when They Arise According To The Conditions
Stated on The Attached Page, Highlighted in Yellow.

THIS FORM IS USED TO INSURE THE ATTACHED INFORMATION IS
COMMUNICATED TO ALL PLANT PERSONNEL. IF YOUR INITIALS ARE
BY YOUR NAME THE FOLLOWING COMMUNIQUE' HAS BEEN REVIEWED

----- ~~ARMAND~~ ----- ~~BEIELER~~ AL ----- ~~BICKHAM~~ RB ----- ~~BENICHARD~~
----- ~~BEN~~ ----- ~~BORRISON~~ MB ----- ~~BURGESS~~
EL ----- ~~COOK~~ FL ----- ~~COOK F.~~ JRC ----- ~~COOK J.~~ ----- ~~CRAWFORD~~
----- ~~DAVIS~~ ----- ~~DONATTO~~ ED ----- ~~DOUCET~~ Del ----- ~~DUGAS~~ HS
----- ~~GRANT~~ DC ----- ~~GRAVOUILLA~~ ----- ~~JACKSON~~ RA
----- ~~JACKSON~~ ----- ~~JACKSON~~ ----- ~~JACKSON~~ ----- ~~JACKSON~~
RM ----- ~~MILLENDER~~ ----- ~~MONTGOMERY~~ IN ----- ~~NOAH~~ ----- ~~PATRICKSON~~
----- ~~SMITH~~ ----- ~~SMITH~~ ----- ~~SMITH~~ ----- ~~SMITH~~
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CSTAT

The BLISS 1000 option CSTAT, performs statistical monitoring of critical processes. This program monitors particular test results for given sample points and alerts the user when one of the following critical trends occur:

- Any point beyond three standard deviations.
- Two out of three points in the two to three standard deviation range.
- Seven consecutive points on the same side of the mean.
- Seven consecutive points all with the same slope.

CSTAT computes mean and standard deviation based on the previous 30 samples. If there is not 30 samples CSTAT will not perform the test.

INSTALLATION AND SETUP

1. CSTAT.RUN should be scheduled to run automatically with the RTE-A "AT" command. CSTAT should be executed at intervals of not less than 60 minutes.
2. A control file called !CSTAT should be created with Edit 1000 on :BL. In this file the user designates which sample points and tests are to be monitored. The following is an example of !CSTAT.

```
*****
*
* C
* C THIS IS AN EXAMPLE CONTROL FILE FOR CSTAT
* C
* C THERE ARE TWO TYPES OF RECORDS:
* C
* C 1. OUTPUT RECORD (LU # OR FILE NAME)
* C LU# PRECEDED BY "L" IN COLUMN ONE
* C FILE NAME PRECEDED BY "F" IN COLUMN ONE
* C ONLY ONE OUTPUT MAY BE DEFINED
* C
* C 2. THE SAMPLE RECORD SUUU CC TTTDDD
* C WHERE UUU=UNIT #
* C CC=CODE #
* C TTT=TEST #
* C DDD=DET #
* C
* L006
* *FDATA_FILE:DATA
* S014 02 015001
*
*****
```

CHLORINATED METHANES PLANT COMMUNIQUE'

DATE: 9 / 17 / 1990

FROM: J. Cook

SUBJECT: Oil Spills in Hot Oil Area

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ARMAND BB BEIELER CB BICKHAM RB BLANCHARD
 BOCK BORDELON JB BOURG BOURGEOIS
 CLEBERT FC COOK F. JRC COOK J. CRAWFORD
 DAVIS BDF DONATTO ED DOUCET DED DUGAS KEKEY
 ELLIS GRANT DG GRAVOUILLA H HANEY
 HARRISON OJ JACK O. JACK R. RS JACKSON
 JOHNSON KIRSH LONDON MICHEL
 MILLENDER MONTGOMERY IN NOAH PATTERSON
 PIERCE RIZZO SACKS SHIMONSON
 TOUCHET TRICE WILLIAMS WIEGLE
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HOT OIL SPILL EMERGENCY PROCEDURE

At this time, the drainage for the new Hot Oil area is toward outfall 1551. In the case of a spill, booms and oil pads should be used to contain the oil as close to the source as possible. Should the oil reach the valve on the west side of the new warehouse, operations should be aware that a heavy rain fall could cause this dike to overflow. Contact the person on call as soon as possible.

Sometime in November or December, the drainage for this area will be rerouted to the Shot Pond. Again, in the case of a spill, operations should try and contain the oil as close to the source as possible. Should some oil reach the Shot Pond, operations will set up oil booms in the V-Notch weir and downstream of there. C-500 will be shut down weather permitting. If the spill occurs during a heavy rainfall, it may be necessary to pump the Shot Pond into T-500A to prevent it from overflowing. The person on call should be notified as soon as possible.

In either situation, operators response should be to keep any oil in the block and not let any escape to the outfall canal.

9/17/90

CHLORINATED METHANES PLANT COMMUNIQUE'

DATE: Sep 14 / 1990

FROM: Haney

SUBJECT: Reporting of K-50 Outages

THIS FORM IS USED TO INSURE THE ATTACHED INFORMATION IS COMMUNICATED TO ALL PLANT PERSONNEL. IF YOUR INITIALS ARE BY YOUR NAME THE FOLLOWING COMMUNIQUE' HAS BEEN REVIEWED

NA ARMAND BB BEIELER EQ BICKHAM RB BLANCHARD
~~ROCK~~ BORDELON MAN BOURG ~~BOURGOIS~~
~~GLEBERT~~ EC COOK F. JRC COOK J. ~~GRANT~~
CD DAVIS BBB DONATTO ES DOUCET SRD DUGAS KEY
205 ELLIS CR GRANT AD GRAVOUILLA ~~HANEY~~
RA HARRISON CE JACK O. JACK R. RJ JACKSON
AM JOHNSON KIRSH M LONDON ~~MICHEL~~
AM MILLENDER MONTGOMERY IN NOAH PATTERSON
~~PIERCE~~ ~~SELCO~~ ~~SACKS~~ ~~SIMONSON~~
~~TOUCHET~~ ~~TRICE~~ ~~WILLIAMS~~ ~~WISLE~~
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September 14, 1990

to: CMP Personnel

cc: Tim Gunn
Environmental Services c/o Jerry Steward
David Wesson

re: Reporting of K-50 Outages

There has been a lot of confusion lately over reporting requirements in the event of a K-50 outage. I hope this clarifies the issue:

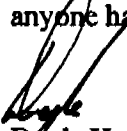
- The emissions from DV-455 are controlled with the condenser on the vent stack, not by K-50. K-50 is only used to chill the recirculated methanol which cools the vent condenser. Depending on the weather and how cold the methanol was to start with, it can take quite a while for the methanol to heat up when K-50 trips.
- Our reported emissions from DV-455 are based on the recirculated methanol being no hotter than 35 degrees F. As long as the methanol is colder than that, the system is working as designed.

IN THE EVENT THAT THE TEMPERATURE GETS ABOVE 35 DEGREES F, DUE TO WHATEVER REASON - COMPRESSOR TRIP, MALFUNCTION, OR ANYTHING ELSE - OR METHANOL FLOW TO THE CONDENSER IS LOST, WE HAVE ONE HOUR TO GET BACK IN CONTROL. IF THE SYSTEM CANNOT BE RETURNED TO NORMAL WITHIN AN HOUR, WE MUST REPORT A CONTROL DEVICE BEING OUT OF SERVICE TO GATE ONE.

You should also stop off-loading methanol barges and notify the area engineer in charge of storage and loading and/or the Production Supervisor or Plant Superintendent.

- This is not the same procedure that Solvents/EDC-1 uses when K-60 is malfunctioning or down, and for good reason. K-60 chills a recirculated Methylene Chloride system which controls emissions from several tanks, but it is also directly tied to the vent condenser on one tank. Therefore, the emissions from that one tank go up immediately when K-60 is not operating properly. This is the reason for the inconsistent reporting procedures for the two plants.

Future emission reduction goals and legislation will require either a redundant compressor or possibly replacement of the entire system with a pressure swing absorption unit. Until then, we must do everything we can to insure that the existing system operates properly and reliably. If anyone has any questions or concerns, please forward them to me.


Doyle Haney
CMP Production Supervisor

DO A 033297
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CHLORINATED METHANES PLANT COMMUNIQUE'

DATE: 9 / 6 / 1999

FROM: Ricky Jack

SUBJECT: K-213 VARIABLE FREQUENCY DRIVES

THIS FORM IS USED TO INSURE THE ATTACHED INFORMATION IS
COMMUNICATED TO ALL PLANT PERSONNEL. IF YOUR INITIALS ARE
BY YOUR NAME THE FOLLOWING COMMUNIQUE' HAS BEEN REVIEWED

HA ARMAND BB BEIELER CG BICKHAM RB BLANCHARD
BOCK BORDELON MAN BOURG BOURGEOIS
CLEBERT F COOK F. JRC COOK J. CRAWFORD
DAVIS BB DONATTO LEO DOUCET Geo DUGAS Key
JD ELLIS ce GRANT GT GRAVOUILLA HANEY
DD HARRISON JACK O. CG JACK R. Ro JACKSON
JOHNSON KIRSH H LONDON MICHEL
BH MILLENDER MONTGOMERY IN NOAH PATTERSON
SN PIERCE RIZZO M SAGHS SIMONSON
TOUCHET TRICE K.T. WILLIAMS WIEGLE
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September 6, 1990

To: All Interested Parties

Variable Frequency Drives (VFD) have been installed on K-213 fans to control the discharge pressure on the compressor. The main benefit is:

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This will provide more stable operation during cool weather and hopefully will allow the compressor to run reliability during a freeze. Without this, the compressor would shut down due to low oil temperature. By increasing the discharge pressure, you in turn increase the oil temperature preventing the compressor from shutting down.

The high discharge press shutdown is still set at 270 psig and the low at 5 psig. The low oil temp shutdown will be changed from 92 F to 80 F.

The VFD's are set up essentially the same as the ones on the E-200/300's. The fans should be run in "auto" at a discharge setpoint of 170 - 190 psig. The output on TDC controls both fans. In the winter, you may have to put one of the switches in the field in the stop position. When starting the compressor, the field switch needs to be in the "start" position.

There are emergency stop switches in the main MCC. These should only be used in an emergency situation and not for routine tagging.

Let me know if you have any questions.

Ricky

DO A 033299
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CHLORINATED METHANES PLANT COMMUNIQUE'

DATE: 09/04/1990

FROM: R. B. Bordelon

SUBJECT: Sampling times, Outfall 1531

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ALA. ARMAND BB BEIELER LG BICKHAM LB BLANCHARD
 BOCK BORDELON MAN BOURG BOURGEOIS
 CLEBERT FL COOK F. JRC COOK J. CRAWFORD
 DO DAVIS [REDACTED] PD DOUCET [REDACTED] DUGAS [REDACTED] EKEY
 2K ELLIS CE GRANT U GRAVOUILLA HANEY
 OLL HARRISON OJ JACK O. JACK R. LB JACKSON
 JOHNSON KIRSH LL LONDON MICHEL
 RM MILLENDER MONTGOMERY TN NOAH PATTERSON
 OK PIERCE RIZZO [REDACTED] [REDACTED]
 TOUCHET TRICE KT WILLIAMS WIEGLE
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NPDES SAMPLING PROCEDURE

SITE	OUTFALL	TYPE OF SAMPLE	FREQUENCY	ANALYSIS	LIMITS LBS/DAY (MAX)
ONCE THROUGH COOLING WATER	1511	GRAB	1/DAY	TPH****	25
FRONT DITCH WEIR	1521	GRAB	4/DAY	TPH/TOC**	5
C-610 BTMS	1531	GRAB	4/DAY	TPH	8
C-650 BTMS	1541	(NO LONGER AN OUTFALL)			
STORM RUNOFF FROM M1 STORAGE	1551	GRAB	WHEN FLOWING***	TOC/OIL & GREASE	55/ 15(MG/L)
D-455 DIKE	2921	GRAB	WHEN FLOWING	TOD*/OIL & GREASE	200/ 15(MG/L)

TOD* TOTAL OXYGEN DEMAND
 TOC** TOTAL ORGANIC CARBON
 WHEN FLOWING*** SAMPLED ONLY WHEN OUTFALL NEEDS DRAINING; THEN ONLY HAS TO
 BE SAMPLED ONCE PER CALENDER MONTH.
 TPH**** TOTAL PURGEABLE HALOCARBONS

SAMPLING PROCEDURE:

1. OUTFALL 1521 - FOUR GRAB SAMPLES/DAY, IN GREEN-CAPPED BOTTLES, AT 6 HOUR INTERVALS (0200, 0800, 1400, & 2000 HRS). REFRIGERATE AFTER CATCHING. AT 2000 HRS, COMPOSITE INTO TWO CLEAR, 40 ML GLASS VIALS FOR TPH & ONE 125 ML AMBER BOTTLE FOR TOC.
2. OUTFALL 1531 - FOUR GRAB SAMPLES/DAY, IN GREEN-CAPPED BOTTLES, AT 6 HOUR INTERVALS (0015, 0615, 1215, & 1815 HRS). REFRIGERATE AFTER CATCHING. AT 2000 HRS, COMPOSITE INTO TWO CLEAR, 40 ML GLASS VIALS FOR TPH.
3. OUTFALL 1511 - ONE GRAB SAMPLE/DAY. CATCH SAMPLE AT 0600 - 0700 HRS, USING TWO CLEAR, 40 ML GLASS VIALS FOR TPH.
4. IN EACH CASE, WRAP A RUBBER BAND AROUND THE TWO VIALS, ATTACHING THE APPROPRIATE COMPOSITE TAG TO THE TWO VIALS FOR EACH OUTFALL. STAPLE THE TAGS FROM THE GRAB SAMPLES TO THE APPROPRIATE COMPOSITE TAG ON THE VIAL SAMPLE FOR EACH OUTFALL.

RECAPPING:

YOU WILL WIND UP EACH NIGHT AT 8 PM (2000 HRS) WITH 2 CLEAR VIALS Banded TOGETHER & 1 AMBER BOTTLE FOR OUTFALL 1521, AND 2 CLEAR VIALS FOR OUTFALL 1531. PLACE ALL OF THESE, PLUS THE EMPTY BOTTLES FROM THE GRAB SAMPLES IN THE SAMPLE TRAY & PLACE THE TRAY IN THE REFRIGERATOR IN THE ANALYZER SHACK BY OUTFALL 1521. BETWEEN 0600 & 0700 HRS EACH MORNING, SAMPLE OUTFALL 1511 USING 2 CLEAR SAMPLE VIALS. LABEL & PLACE THESE ALSO WITH THE OTHER SAMPLES IN THE SAMPLE TRAY IN THE REFRIGERATOR AT OUTFALL 1521. ENVIRONMENTAL LAB PERSONNEL WILL PICK THESE SAMPLES UP EACH MORNING BETWEEN 0700-0800 HRS. THEY WILL LEAVE CLEAN BOTTLES FOR THAT DAY'S SAMPLING.

OUTFALLS 1551 & 2921 ARE SAMPLED ONLY WHEN IT IS NECESSARY TO DRAIN THEM. FOR OUTFALL 1551, USE A 125 OR 250 ML BOTTLE & SUBMERGE IT TO SAMPLE FOR TOC. USE A 1200 ML WIDE MOUTH BOTTLE, ONLY PARTIALLY SUBMERGING THE BOTTLE TO PERMIT SKIMMING THE WATER FOR THE OIL & GREASE SAMPLE. USE THE SAME PROCEDURE FOR SAMPLING OUTFALL 2921, EXCEPT THAT THE SMALLER BOTTLE IS FOR TOD ANALYSIS RATHER THAN TOC. BOTH OF THESE OUTFALLS MUST BE SAMPLED IN THE MORNING TO GET ANALYZED THAT DAY.

THE ABOVE CHANGES ARE BASICALLY VERY SIMILAR TO THE PROCEDURES WE WERE EMPLOYING BEFORE. THE CHANGES THAT YOU SEE HERE WERE INCORPORATED TO CLEAR UP A DISCREPANCY WHICH EXISTS BETWEEN THE STATE & FEDERAL PERMITS. BY USING THE CALENDER DAY, ALL LA. DIV. FACILITIES WILL HAVE A SAMPLING DAY FROM 12:00 A.M. TO 12:00 A.M. THE CHANGE WILL TAKE EFFECT ON AUGUST 01, 1990. TO FACILITATE A SMOOTH TRANSITION & SATISFY SAMPLING UNDER BOTH REQUIREMENTS, THE 2:00 A.M. SAMPLE THAT DAY WILL HAVE TO BE CAUGHT IN DUPLICATE. BE SURE TO INCLUDE ONE WITH THE JULY 31 SAMPLES AS YOU HAVE BEEN, AND USE THE OTHER TO BEGIN THE AUGUST 01 DAY SAMPLES.

RJ Bordeelon

RJ BORDELON
07/17/90

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