

SOLV/EDC & CMP PLANT NOTIFICATION OF PROCESS CHANGE CHECKLIST

Type: ☐ LEVEL 1 (minor) ☒ LEVEL 2 (moderate) ☐ LEVEL 3 (major)

Originator: CLARENCE BICKHAM

Date of Origination: 04/29/97

Plant: Methanes

Actual Date of Change: 4-30-97

Area: THERM

Equipment: R-1300

Permanent ☐ Yes Temporary ☒ Yes

From: 4-30-97

To: 6-23-97

Description and Location of Change (Scope): CHANGE AP (1941) FROM 445 TO 440

Technical Basis for Change: TO LOWER CONTROL TEMPERATURE BASED ON PREVIOUS RUN CONDITIONS DUE TO FAILURE OF THE CONTROL THERMOCOUPLES

Impact on: ☐ Safety ☐ Loss Prevention ☐ Environment ☐ Health ☐ Quality ☒ Production ☐ Other: _____

Type of Change:

☒ Alarm

☐ Shutdown Point

☐ Instrument

☒ Process Computer Control

☐ Addition/Removal of Equip.

☐ Piping Modification

☐ Equip./Material Modification

☐ Chemical

☐ Job Procedure No.

☒ Process Set Point Change

☐ Piping Spec.

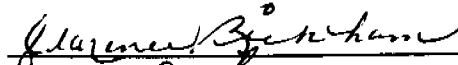
☐ Other: _____

Pre-modification Checklist:

Applicable		Follow-up	Signature	Date
☐ Applicable	Written job scope and sketch of proposed change; POD#	☐ Yes		
☐ Applicable	Project economics; attached.	☐ Yes		
☐ Applicable	Consult piping and equipment specifications; Spec. #	☐ Yes		
☐ Applicable	Comply with Engineering Practices.	☐ Yes		
☐ Applicable	Consult Technology Center or comply with Tech. Ctr. guidelines.	☐ Yes		
☐ Applicable	Equipment access/congestion considered.	☐ Yes		
☐ Applicable	Consult Environmental function	☐ Yes		
☐ Applicable	Environmental project checklist complete.	☐ Yes		
☐ Applicable	Chemicals listed in the (TSCA) inventory before use.	☐ Yes		
☐ Applicable	Perform Reactive Chemicals testing or review.	☐ Yes		
☐ Applicable	Consult Safety function for compliance with S&LP and Block requirements	☐ Yes		
☐ Applicable	Consult Process Safety for impact on PHA(F&EI, CEI, & Fire protection).	☐ Yes		
☐ Applicable	State Fire Marshall notified.	☐ Yes		
☐ Applicable	Consult Industrial Hygiene function	☐ Yes		
☐ Applicable	Consult maintenance/Reliability Eng.	☐ Yes		
☐ Applicable	Consult Instrument function.	☐ Yes		
☐ Applicable	Consult Electrical function.	☐ Yes		
☐ Applicable	Consult Analyzer function.	☐ Yes		
☐ Applicable	Consult/Inform Computer/Programming Support.	☐ Yes		
☒ Applicable	Consult Area Engineer.	☐ Yes	<i>John V. L...</i>	4/29/97
☒ Applicable	Consult Operations.	☐ Yes	<i>Clarence Bickham</i>	4/29/97
☒ Applicable	Consult Area Technologist	☐ Yes	<i>J. R. L...</i>	4-29-97
☐ Applicable	Consult Inventory Management	☐ Yes		
☐ Applicable	Consult Process Engineering.	☐ Yes		
☐ Applicable	Evaluate and modify relief system.	☐ Yes		
☐ Applicable	Work Order written. (List them)	☐ Yes		
☐ Applicable	Consult Construction/Small Projects	☐ Yes		
☐ Applicable	Consult Site Logistics	☐ Yes		
☐ Applicable	Consult Quality (Customer Notification ?)	☐ Yes		
☐ Applicable	Other (Name them) _____	☐ Yes		

APPROVALS:

Originator:



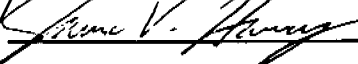
Date: 04/29/97

First Reviewer:



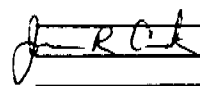
Date: 04/29/97

Preliminary Reviewer(Lvl 2 & 3):



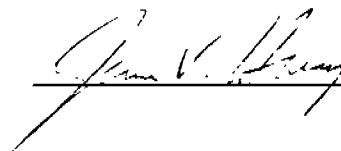
Date: 04/29/97

Post-modification Checklist: (BEFORE START-UP)

Applicable		Follow-up	Signature	Date
☐ Applicable	Perform prestartup audit: major equipment addition/mod. Lvl 3; attach.	☐ Yes		
☐ Applicable	PSM files updated(such as piping circuits).	☐ Yes		
☐ Applicable	Project list updated.	☐ Yes		
☐ Applicable	Documented in Operating Discipline Library	☐ Yes		
	Completed Job Procedures reviewed by:	☐ Yes		
	Operations _____ Safety _____ Envir. _____	☐ Yes		
	Emergency Procedures	☐ Yes		
	Training Aids (IPT, etc.)	☐ Yes		
	Controlled copies of Critical Oper. Procedures updated	☐ Yes		
	Safety/Environmental (cleaning, vessel entry, red tag)	☐ Yes		
	Update plant Roundsheets, forms	☐ Yes		
☐ Applicable	Plant equipment files updated.	☐ Yes		
☐ Applicable	P&ID's, process flow sheets, and plot plans updated.	☐ Yes		
☒ Applicable	Personnel trained on the change. Method: <u>Communique</u>	☒ Yes		4-29-97
☐ Applicable	Critical instrument checklist updated.	☐ Yes		
☐ Applicable	Updated HAZCOM Manual & equip. List.	☐ Yes		
☐ Applicable	Pressure vessels, PVRV's, & PRD registered.	☐ Yes		
☐ Applicable	Instrument loops checked and documented.	☐ Yes		
☐ Applicable	Field switches, equipment, & MCC starters checked & labeled.	☐ Yes		
☐ Applicable	Log sheets/controlled forms updated.	☐ Yes		
☐ Applicable	GPI flow diagram & history/EDAS updated.	☐ Yes		
☐ Applicable	GEMTS, PPM, & MSMS updated.	☐ Yes		
☐ Applicable	Mod V program change checklist completed.	☐ Yes		
☐ Applicable	Equipment RTO Checklist completed.	☐ Yes		
☐ Applicable	Follow-up action plan completed prior to Final Approval(attached).	☐ Yes		

APPROVAL:

Final Approver:



Date: 4/29/97

Methanes MOC Training Signoff Sheet

MOC TITLE: _____

DATE: _____

Mark the box next to the appropriate individual that the communication/training is intended to reach.

Engineering Staff	Master #	Signature	Date
☐ Taylor, D.	434501		
☐ Haney, J.	091506	<i>John V. Haney</i>	4/29/97
☐ Kelley, K.	239424		
☐ Storm, C.	249497		
☐ Hunt, L.C.	088600		
☐ Rolke, R.W.	097946		
☐ Stallcup, J.S.	240558		
☐ White, W.S.	434499		
☐ Young, Barry.	433620		

Day Personnel	Master #	Signature	Date
☐ Michel, A.	432203		
☐ Cook, J.	433658		
☐ Dugas, D.	432407		
☐ Brown, M.S.	433928		
☐ Rizzo, G.	432580		
☐ Johnson, J.	432541		
☐ Donatto, B.	434031		
☐ Carrier, B.P.	085908		
☐ Witt, J.	241996		
☐ Vavassey, T.	434160		
☐ Landry, C.P.	434292		

Site Logistics	Master #	Signature	Date
☐ Clebert, J.	432385		
☐ Mathis, J.	432997		
☐ Simonson, F.	432477		
☐ Armond, N.L.	098664		
☐ Doucet, K.	432056		

SOS	Master #	Signature	Date
☐ Breau, R.	433793	<i>R. Breau</i>	4/29/97
☐ Beiler, B.	281334		
☐ Bickham, C.J.	432411	<i>Carlene Bickham</i>	4/29/97
☐ Cook, F.	431977	<i>Fred Cook</i>	4-30-97
☐ Cavalier, N.	241889	<i>Nal Cavalier</i>	5-5-97
☐ Grant, W.C.	432637	<i>Carl Grant</i>	5-2-97
☐ Gravouilla, D.C.	434255	<i>Del Gravouilla</i>	4-30-97
☐ Jackson, R.	433457	<i>Russell Jackson</i>	4-30-97
☐ Metrejean, D.J.	241773	<i>Dan Metrejean</i>	5/2/97
☐ Harrison, W.	096480	<i>W. Harrison</i>	5/5

OS	Master #	Signature	Date
☐ Bishop, C.E.	432026		
☐ Bourg, J.	094487	<i>John Bourg</i>	5-6-
☐ Davis, C.	433015	<i>C. Davis</i>	6/27
☐ Ekey, J.	202669	<i>John Ekey</i>	4/30/97
☐ Jack, O.J.	094373		
☐ Looney, R.	276854	<i>Randy Looney</i>	5-2-97
☐ Wolfe, D.	246186	<i>D. Wolfe</i>	4-30-97
☐ Millender, R.	432751	<i>Ron Millender</i>	5/1/97

MOC Action Plan

4/29/97

- ① Raise AP(1941) back to 445°C during the 6/97 shutdown.

James Cook by 6/23/97

Complete 7/2/97

- ② Reset AD(111) controller gains back to their original values during the 6/97 shutdown.

Gary Rizzo by 6/23/97

Complete 7/2/97

GR

CHLORINATED METHANE PRODUCTS COMMUNIQUE

Review & Initial

DATE: April 29, 1997

FROM: COOK, JAMES

SUBJECT: R-1300 TEMPERATURE CONTROL

This form is used to insure the attached information is communicated to the appropriate plant personnel.

INITIATOR: Place a check mark by the group(s) needing to review.

IPLOYEE: Please initial and date when you have reviewed and understood the material.

PERSONS NEEDING TO REVIEW

Day Staff	Coaches	SOS's	OS's	Loaders
	<u>X</u>	<u>X</u>		
Init. Date	Init. Date	Init. Date	Init. Date	Init. Date
Clebert	Cook J <u>RC</u> <u>4/29/97</u>	Breaux <u>Rup</u> <u>4/29/97</u>	Bishop	Armand
Haney <u>JA</u> <u>4/29/97</u>	Dugas <u>RC</u> <u>5/4</u>	Beieler <u>13/3</u> <u>4/29/97</u>	Bourg	Doucet
Kelley	Day Oper.	Bickham <u>UB</u> <u>4/29/97</u>	Davis <u>CS</u> <u>6/12</u>	Instruments
Tice <u>CS</u> <u>4/30/97</u>		Cook F. <u>FC</u> <u>4/30</u>	Ekey <u>JK</u> <u>4/30</u>	
McMurray	Init. Date	Cavalier <u>MC</u> <u>4/30/97</u>	Harrison	Init. Date
Michel	Donatto	Grant <u>MS-247</u>	Jack	Neyland
Rizzo	Grace	Gravouilla <u>DS</u> <u>4/29/97</u>	Looney <u>DS</u> <u>5/2-97</u>	Shanklin
Taylor	Johnson	Jackson <u>RJ</u> <u>4/30/97</u>	Wolfe <u>DW</u> <u>4/30-97</u>	
Witt	Simonson	Metrejean <u>DM</u> <u>5/2</u>	Millender <u>RA</u> <u>5/11/97</u>	
Young	Vavasseur	HARRISON <u>ADL</u> <u>5/5</u>		

Cook, James

Fr m: Cook, James
Sent: Tuesday, April 29, 1997 2:48 PM
To: Beieler, B; Bickham, Clarence; Bishop, Cecil; Bourg, Jason; Breaux, Richard; Cavalier, Neal; Cook, Frederick; Davis, Clarence; Donatto, Brian; Dugas, Donnie; Ekey, John; Grant, William; Gravouilla, Dale; Harrison, Donald; Jack, Oliver; Jackson, Russell; Johnson, Jimmy; Looney, R; Metrejean, Darren; Michel, Adam; Millender, Ronald; Wolfe, Dennis; Clebert, Julie; Haney, Jim; Hunt, Laurie; Kelley, Kevin; Rizzo, Gary; Rolke, Richard; Storm, Colleen; Taylor, Don; Young, Barry
Subject: R-1300 Temperature Control

The outlet temperature has been manually selected as the control point ((AK(175) = 5)) on R-1300. This is due to the probable failure of the east Thermowell. The west one has already failed and been placed in manual. In order to control the reactor at the proper temperature, AP(1941) had to be lowered. This is AK(101) low limit temperature setpoint which normally controls a point somewhere in the bed. The value was 445 and it was lowered to 440. Some tuning was done to help with the swing that started on the outlet was selected. With the 3 outlet AI's being used for temperature control, we may be susceptible to a rainstorm now. The average bed temperature will probably come on as we lower the control setpoint or the bed temperature AI's begin to fail. Only the 3 outlet temperature AI's can shut you down on low temperature. Work is under way to fabricate a thermowell at this time. Please sign the Communique Book once you have read this.

Thanks,
JRC

*Please sign MOC documentation
form that is attached.*