

CHLORINATED METHANE PRODUCTS COMMUNIQUE'

Review & Initial

DATE: _____, 199

FROM: _____

SUBJECT: VENT RECOVERING

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.

EMPLOYEE: Please initial once review is complete.

GROUP	PERSONS NEEDING TO REVIEW	
Staff	☐ Haney ☐ Miles <u>MB</u> Bourne ☐ Kelley <u>AL</u> Ledoux ☐ Patterson <u>JK</u> Sacks ☐ Witt	
Supervisors	☐ Brownfield ☐ Clebert <u>AL</u> Cook, J. <u>ALD</u> Dugas <u>AL</u> Michel <u>OR</u> Rizzo ☐ Sauls ☐ Trice ☐ Wittmann ☐ Young	
SOS's	<u>ALD</u> Breaux ☐ Beiler <u>CD</u> Bickham ☐ Cook, F. ☐ Davis <u>AL</u> Grant <u>DL</u> Gravouilla ☐ Jackson <u>RM</u> Millender	
OS's	<u>AL</u> Armand ☐ Bishop <u>AL</u> Bourg <u>NAL</u> Cavalier ☐ Doucet ☐ Ekey <u>DLH</u> Harrison ☐ Jack ☐ Looney <u>DM</u> Metrejean ☐ Wolfe	
Day Operators	☐ Donatto ☐ Grace ☐ Johnson ☐ Simonson ☐ Vavasseur	
Instruments	☐ Bourg ☐ Burris ☐ Eunice ☐ Schlatre ☐ Shanklin	

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CMP PROCEDURE
VENT RECOVERY START UP PROCEDURE
PROCEDURE #

PURPOSE	To assist the operator with the safe start up of vent recovery.
SCOPE	Step required to start up vent recovery in a safe and proper manner.
RELATED PROCEDURES	Mod V start up checklist, Vent Recovery shutdown
DEFINITIONS	Lining up a control valve- Upstream and downstream manual B/V's open and bypass closed. All bleeds closed and blinded or plugged. Air lined up to control valve. Lining up a mag drive pump: - Suction and discharge valves are lined up. - ARC recirculation or manual recirculation is open. - Oil mist and/or other bearing lubrication is OK. - All bleed valves are closed and blinded or plugged. - All sample points are reconnected. - Seal or bearing flush is lined up. - Working pressure gauge is installed and lined up. - Switchgear is racked in and reset. - Both motors have been bumped. - Pump switch has been placed in automatic position.
SAFETY CONCERNS & EQUIPMENT	Minimum Block Standards
ENVIRONMENTAL CONCERNS	Ensure all bleed valves are blinded or plugged.
SPECIAL CONCERNS	None.

Revision # 2.

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Revision Date- 7/28/93

This procedure is valid for 24 hours from the date viewed, August 12, 1993 2:22 PM

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VENT RECOVERY LINE UP AND START UP PROCEDURE

The following items must be checked complete and the checklist signed prior to starting up vent recovery.

NOTE: The only time this check sheet needs to be filled out, is if we are down for an extended period of time.

This procedure assumes that K-1100 is running.

OUTSIDE CHECKLIST:

Step	Action	Check
1	All red tag masters cleared and tags pulled.	_____
2	Line up system.	_____
	General Notes: Communicate with the Mod V Boardman to make sure control valves, instrument air, and transmitters are ready to be lined up. When the OK is given, line up the following: (Refer to the definitions "lining up a control valve" and "lining up a pump").	
	Note on bleed valves: Ensure that the bleed valves are blinded or plugged when checking they are closed. If not, install a bleed or plug. Use common sense when filling out the checklist. (i.e. before lining up the block valves ensure the bleed are closed.)	
	Note on lining up P-1710 pumps: Check with the board operator to ensure there is enough liquid level in D-1710 to bump the motor on the P-1710 pumps. If there is not, leave the field switch in the "off" position and put a yellow note on the Mod V graphics over the pumps stating the pumps have not been bumped and are in the "off" position.	
	Note on remote seal transmitters: Ensure the tubing valve is blocked in and has a plug on it when lining up a remote transmitter valve.	
	Platform above E-1710 Deck	
	E-1710 R-22 vapor PSV's lined up to one side and bleed valves closed.	_____
	Vent recovery corrosion probe bleed valve closed.	_____
	Vent recovery corrosion probe upstream B/V lined up.	_____
	Vent recovery corrosion probe downstream B/V lined up.	_____
	Vent recovery corrosion probe bypass B/V closed.	_____
	E-1700/E-1710 Deck	
	E-1700 inlet HCl bleed valve closed.	_____
	E-1700 outlet HCl bleed valve closed.	_____
	E-1700 HCl bypass valve closed.	_____
	E-1700 HCl inlet B/V lined up.	_____

JJS 7/26/93

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VENT RECOVERY LINE UP AND START UP PROCEDURE

E-1700 HCl outlet B/V lined up.
E-1700 process vent bypass valve closed.
E-1700 process vent inlet bleed valve closed.
E-1700 process outlet bleed valve closed.
E-1700 process vent inlet B/V lined up.
E-1700 process outlet B/V lined up.
E-1710 R-22 level xtnr lined up.
E-1710 R-22 indep. level switch lined up.
E-1710 R-22 liquid pumpout B/V closed.
E-1710 R-22 vapor pumpout B/V closed.
E-1710 R-22 vapor outlet B/V lined up.
R-22 LCV liquid pumpout B/V closed.
R-22 liquid feed to E-1710 flowmeter lined up.
R-22 liquid feed to E-1710 level control loop lined up - AO(615).

D-1710 Deck

C-1500 to E-1700 inlet bleed valve closed.
Both sides of D-1710 / dry vent diff'l pressure xtnr lined up.
Both dry vent flow meters lined up.
Both D-1700 vent pressure xtnr's lined up.
Both D-1700 level xtnr's lined up.
D-1710 bypass B/V closed.
D-1710 vent B/V lined up.
P-1710 discharge flow meter lined up.
D-1710 level control loop lined up.
P-1710 recirculation flow control loop lined up.

P-1710 Ground Level

P-1710 A bypass B/V around check valve lined up.
P-1710 B bypass B/V around check valve lined up.
P-1710 A lined up.
P-1710 B lined up.

Checklist complete: _____

Approved by: _____
(supervisor or boardman)

Date/Time: _____

Date/Time: _____

VENT RECOVERY LINE UP AND START UP PROCEDURE**SOS Pre-Start Up Check Sheet**

The Following Items Must Be Checked and Signed Prior To Start Up.

INSIDE CHECKLIST:

Step	Action	Check
1	Vent Recovery Sequence 66 in Step 660. All red tag masters been cleared, control valves and instruments are in auto. System is ready for start up.	_____
2	K-1100 running.	_____
3	Mod V start up checklist items complete.	_____
4	Vent Recovery Sequence 66 terminated to Step 661.	_____
5	Vent Recovery outside checklist complete.	_____
6	Did OS bump the P-1710 pumps (Yes/No) _____ If no, put a check on the right stating that a note has been placed on the Mod V graphics stating the pumps have not been bumped. If yes, the write N/A in the slot to the right.	_____
7	Make sure that the following AK's and AP's have the correct setpoints. Use Dynamic Data Display (GPI option 18). Choose (9) Vent Recovery, then choose (1) for AK set points and (2) for AP set points. The AK values are only initial guesses. After the initial start up, we will put in ranges for the AK's.	
	AK's	Value/chk
	AK(602) - E-1710 R-22 local flow set point for AO(615).	0
	AK(616) - E-1710 R-22 level set point for AO(615).	35
	AK(618) - D-1710 vent pressure set point for AO(608).	5
	AK(626) - D-1710 level set point for AO(606).	40
	AK(644) - P-1710 minimum flow set point for AO(616).	500
	AK(647) - D-1710 vent flow local set point for AO(608).	0
	AK(648) - Liquid M3 injection flow set point for AO(618).	500
	AP's	Value/chk
	1. AP(1393) - Liquid injection d/p set point.	5
	2. AP(1419) - D-1710 low-low level alarm set point.	5
	3. AP(1555) - P-1710 A/B high temp set point.	30

Checklist complete: _____

Approved by: _____
(supervisor)

Date/Time: _____

Date/Time: _____

VENT RECOVERY LINE UP AND START UP PROCEDURE**PROCEDURE****Vent Recovery Start-Up**

Note: This procedure is not intended to explain the Mod V code. Use Dynamic Dowtran and the expanded glossary to guide you through the Mod V portion of the start up. This procedure will only tell you what operations will manually have to do in order to start up the compressor.

Step	Action
1	Complete both the inside and outside checklists.
2	AK and DM the Mod V to Step 662 and the program automatically establish level, feed and heat up the column.
3	If the P-1710 pumps were not bumped because of low level, they need to be bumped after there is liquid level in D-1710. After bumping, place the field switches in the auto position and remove the note over the pumps on the Mod V graphics.