

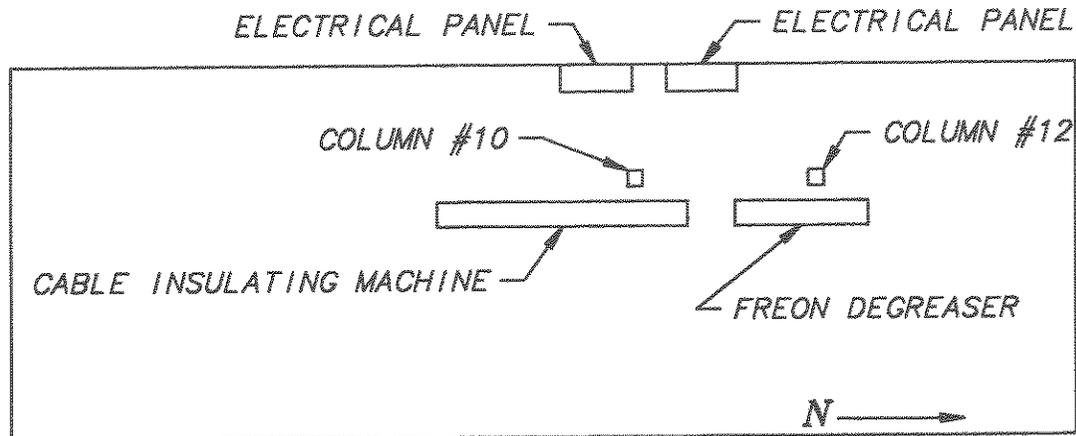
THIS IS TO OUTLINE THE OPERATING PROCEDURE FOR THE CABLE INSULATING FREON DEGREASER MACHINE THAT IS INCLUDED IN THE OPERATIONS OF THE CABLE INSULATING MACHINE.

REV.	DESCRIPTION	DRASH	DATE
		APPR.	DATE
A	REVISED NOTE 5a AND ADDED NOTE 5c.	NWB	5/14/92
		RJR	5/19/92

1. NORMAL START-UP PROCEDURES:
 - a. TURN BOTH THE RETURN AND SUPPLY WATER VALVES TO THE ON POSITION. VALVES ARE LOCATED ON COLUMN #10.
 - b. TURN HEAT AND RECIRCULATION SWITCHED TO ON POSITION. PUSH START BUTTON. (RED LIGHTS FOR HEAD AND RECIRCULATION WILL ACTIVATE.) ALL CONTROL SWITCHES ARE LOCATED ON THE FRONT OF THE DEGREASER.
 - c. TURN THE AGITATOR PUMP SWITCH TO THE ON POSITION. THE SWITCH IS LOCATED ON THE BOTTOM OF THE DEGREASER.
2. NORMAL SHUTDOWN PROCEDURES:
 - a. TURN THE AGITATOR PUMP TO THE OFF POSITION. THE SWITCH IS LOCATED ON THE BOTTOM OF THE DEGREASER.
 - b. TURN THE HEAT AND RECIRCULATION SWITCHES TO THE OFF POSITION. BOTH SWITCHES ARE LOCATED ON THE FRONT OF THE DEGREASER.
 - c. TURN BOTH THE SUPPLY AND RETURN WATER VALVES TO THE OFF POSITION. VALVES ARE LOCATED ON COLUMN #10.
3. EMERGENCY SHUTDOWN PROCEDURES:
 - a. TURN OFF WATER SUPPLY VALVE LOCATED ON COLUMN #10. (UNIT IS INTERLOCKED AND MUST HAVE WATER FLOW TO OPERATED THE HEAT AND RECIRCULATION PUMP).
 - b. UNPLUG THE POWER CORD AT COLUMN #12 OR DISCONNECT POWER AT THE ELECTRICAL DISTRIBUTION CABINET P.P.-1B-VII-1, CIRCUITS #8, #10 AND #12. THE DISTRIBUTION PANEL IS LOCATED IN INDUSTRIAL BUILDING #3, ON THE WEST WALL, BUILDING CENTER.
4. LOCK-OUT AND TAG PROCEDURES:
 - a. USE FERMILAB ES&H APPROVED LOCK-OUT AND TAG PROCEDURES AS SPECIFIED IN CHAPTER #5120 OF THE FERMILAB ES&H MANUAL.
5. SAFETY:
 - a. DURING FREON REMOVAL, CLEANING AND FREON RE-FILLING OPERATIONS, PERSONNEL ARE TO WEAR SLEEVE LENGTH RUBBER GLOVES, APRON, SAFETY GLASSES AND A FACE SHIELD.
 - b. DURING OPERATING CONDITION, THE TOP COVER WILL REMAIN IN THE CLOSED POSITION. COOLING WATER WILL BE ON. (NOTE: DEGREASER IS INTERLOCKED TO PREVENT OPERATION UNLESS CHILLER COILS HAVE WATER FLOWING THROUGH THEM.)
 - c. DURING EXTENDED SHUTDOWNS (TWO DAYS OR MORE), THE FREON TANK WILL BE DRAINED OF FREON.
 - d. ALL FREON WILL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE FERMILAB ES&H POLICIES.
6. SPECIAL PRECAUTIONS:
 - a. AN MSDS WILL BE AVAILABLE AT BOTH THE MACHINE AND THE RIGHT-TO-KNOW STATION FOR ALL ITEMS USED DURING CABLE INSULATING.
7. TRAINING:
 - a. ALL PERSONNEL WILL RECEIVE DOCUMENTED TRAINING FROM EITHER THE CABLE SUPERVISOR, CREW CHIEF OR THE LEAD CABLE MACHINE OPERATOR. THIS TRAINING WILL INCLUDE PROPER START-UP AND SHUT-DOWN PROCEDURES, A REVIEW OF THE MSDS OF THE MATERIAL USED IN CABLE INSULATING AND OTHER PERTINENT SAFETY CONCERNS.

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	R. JENSEN	
.XX	.XXX	ANGLES	DRAWN	NWBARTLETT 4/23/92	
±	±	±	CHECKED	R. Rihel 4/23/92	
			APPROVED	J. A. Carson 4/24/92	
1. BREAK ALL SHARP EDGES .02 MAX.			USED ON		
2. DO NOT SCALE DRAWING.					
3. DIMENSIONS BASED UPON ANET Y14.04-1992					
4. MAX. ALL MACH. SURFACES					
✓			MATERIAL		
 FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY					
CABLE INSULATING MACHINE FREON DEGREASER OPERATING PROCEDURE					
SCALE	DRAWING NUMBER		SHEET	REV.	
	0102-ES-301863		1 of 2	A	
CREATED WITH I-DEAS 5.0			USER NAME: NancyB		

REV.	DESCRIPTION	DATE	DATE
		APPR.	DATE
A	SEE SHEET 1 FOR REV INFO.	NWB KRS/00	5/14/92 5/18/92



INDUSTRIAL BUILDING #3

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	<i>R. JENSEN</i>	
.XX	.XXX	ANGLES	DRAWN	<i>NWBARTLETT</i>	<i>4/23/92</i>
\pm <i>rw</i>	\pm <i>rw</i>	\pm <i>rw</i>	CHECKED	<i>R. Riho!</i>	<i>4/23/92</i>
1. BREAK ALL SHARP EDGES .02 MAX.			APPROVED	<i>J. A. CARSON</i>	<i>4/24/92</i>
2. DO NOT SCALE DRAWING.			USED ON		
3. DIMENSIONS BASED UPON ANSI Y14.5M-1982			MATERIAL		
4. MAX. ALL MACH. SURFACES			✓		
 FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY					
CABLE INSULATING MACHINE FREON DEGREASER OPERATING PROCEDURE					
SCALE	DRAWING NUMBER			SHEET	REV.
<i>N</i>	0102-ES-301863			<i>2 of 2</i>	<i>A</i>
CREATED WITH I-DEAS 5.0				USER NAME: <i>NancyB</i>	