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Alarm Code 936-0
Restore 936-1

Location: H-10 House - B

Alarm Limits
Lo Temp # 40 F

System: H 10 Outdoor Piping-Lo Temp

- Action:**
1. Verify that lo temp condition exists
 2. Check that power to heat tracing is on
 - a) If not, turn on circuit
 - b) If on, raise thermostat to energize heat trace
 3. Verify that water flow exists
 - a) If not, check if Tower No. 1 System is on
 - b) If System is off, Note 3
 4. Note 1 & 3

- Notes:**
1. Record Actions Taken
 2. MCR = Main Control Room (x 4662)
 3. Call Mech Svcs from "Call In" List

Alarm Code 936-2
Restore 936-3

Location: H10 House

System: H10 UPS (RING VACUUM)

- Action:**
1. **Check status**
 - a) **UPS is working on Battery Back-up**
 - b) **UPS is working in the Bypass Mode**
 - c) **UPS is not working**

 2. **If UPS is in "A or C", see note 3**

 3. **If UPS is in "B" proceed as follows:**
 - a) **Move rotary switch CCW to position 1, then to position 2.**
 - b) **Follow instructions on the display panel.**
 - c) **If the UPS cannot be restored to normal operations then see note 3.**
 - d) **If the UPS is restored to normal operations then fill out Action Please for information only.**

- Notes:**
1. **Record Actions Taken**
 2. **MCR = Main Control Room (x 4662)**
 3. **Call UPS Tech from "Call In" List**

NODE: RC11

ALARM CODE 936.8
RESTORE 936.9

LOCATION: BLDG. H-10 HOUSE (913-S)

SYSTEM: H-10 COMMON ALARM

**ACTION: DETERMINE WHICH SIGNAL IS IN ALARM AND
TURN TO ALARM RESPONSE SHEET FROM LIST BELOW**

<u>NODE</u>	<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>	<u>PAGE NO.</u>
RC11	<u>PSFLO</u>	<u>Magnet Water Flow</u>	<u>936.8-1)</u>
RC11	<u>PSTEMP</u>	<u>Magnet Water Supply Temp.</u>	<u>936.8-2</u>
RC11	<u>PSLVL</u>	<u>Magnet Water Level</u>	<u>936.8-3</u>
RC11	<u>PSRESIS</u>	<u>Magnet Water Resistivity</u>	<u>936.8-4</u>
RC11	<u>AIRTEMP.AMB</u>	<u>H-10 House Ambient Air Temp.</u>	<u>936.8-5</u>

**NOTE: IF ALARM IS INTERMITTENT, CHECK MKUP
DISPLAY & TREND FOR WATER LOSS**

936.8-1

ALARM RESPONSE SHEET - H-10 MAGNET COOLING

<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>	<u>ALARM LIMITS</u>
PSFIOW	Mag Water Flow	(Lo/LoLo) 15/5 GPM

- ACTION:**
1. Verify low flow <15 GPM
 2. Advise MCR (Pumps will stop @ \approx 5 GPM)
 3. Check H-10 Pump Room Lines for major leak
 4. Check other system parameters:
 - a) Level is \approx 9 inches
 - b) Pressure is between approx. 180 psig
 - c) If actual parameters are less than a) or outside limits of b), turn off pump (p4 or p5)
 5. Note 3 & 1

- NOTE:**
1. Record Actions Taken
 2. MCR = Main Control Room
 3. Call Mech Svcs from "Call In" list

936.8-2

ALARM RESPONSE SHEET - H-10 MAGNET COOLING

<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>	<u>ALARM LIMITS</u>
PSTEMP	Mag Water Supply Temp.	(H.Hi/Hi/Lo) 120/100/60°F

- ACTION:**
1. Verify temp is outside limits
 2. Verify that tower 1 water temp is within limits. 100/60°F
 - a) If not, see that response sheet
 3. For HiTemp alarm Output signal to TCV-100%
 - 3a. If H.Hi temp (120°F) is reached, pumps will shut off after 60 seconds
 4. Note 3 & 1

- NOTE:**
1. Record Actions Taken
 2. MCR = Main Control Room
 3. Call Mech Svcs from "Call In" list

936.8-3

ALARM RESPONSE SHEET - H-10 MAGNET COOLING

<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>	<u>ALARM LIMITS</u>
PSLVL	Mag Water Level	(Hi/Lo/LoLo) 20/9/1 inches

- ACTION:**
1. Verify level is outside Hi/Lo limits
 2. Inspect area for leaks
 3. Notes 1 & 3

- NOTE:**
1. Record Actions Taken
 2. MCR = Main Control Room
 3. Call Mech Svcs from "Call In" list

936.8-4

ALARM RESPONSE SHEET - H-10 MAGNET COOLING

<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>	<u>ALARM LIMITS</u>
PSRESIS	Mag Water Resistivity	(Lo/LoLo) .5/megohm-cm

- ACTION:**
- 1. Verify resistivity is outside limits**
 - 2. Observe that flow is thru deionizer**
 - 3. Observe deionizer output resistivity (2-16 megohm-cm)**
 - 4. Observe that system resistivity rises above .5 megohm**
 - 5. If Lo Alarm remains - Note 3 the following morning.**

- NOTE:**
- 1. Record Actions Taken**
 - 2. MCR = Main Control Room**
 - 3. Call Mech Svcs from "Call In" list**

936.8-5

ALARM RESPONSE SHEET - H-10 MAGNET COOLING

<u>SIGNAL NAME</u>	<u>DESCRIPTION</u>	<u>ALARM LIMITS</u>
AIRTEMP.AMB	Ambient Air Temp	(Hi/Lo/ 100/50

- ACTION:**
- 1. Check that Fan or Heater is Operating.**
 - 2. Check that Fan or Heater is Energized.**
 - 3. Notes 1 & 3.**

- NOTE:**
- 1. Record Actions Taken**
 - 2. MCR = Main Control Room**
 - 3. Call Mech Svcs from "Call In" list**