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ARCS - Systematic Power Shutdown Procedure

I. Purpose:

This procedure describes the step-by-step, systematic shutdown of ARCS. It is not the emergency shutdown procedure in the event of an urgent situation, during some maintenance operations or a failure of components as determined by the Operations Manager.

II. Cautions and Hazards:

None.

III. Requirements:

- Authorization by TWP Operations Manager or designee.

IV. Procedure:

Follow the shutdown procedures for the other instruments on site.

A. U-VAN:

1. In the U-VAN, turn the Generator key switch to the "OFF" position. The Generator key switch is located inside a box mounted above the GENSET.
2. Turn the "Power" switch on the side of the Power Control Cabinet (PCC) to the "OFF" position. The PCC is located on the wall, on the right side as you enter the GENSET area of the U-VAN.
3. Then, turn off the main power switch on the outside of the Service Entrance Box (SEB), located on the wall, on the right side as you enter the GENSET area of the U-VAN.

B. D-VAN:

1. In the D-VAN, flip the "Power" switch on the front of the Uninterrupted Power Supply (UPS) to the "OFF" position. The UPS is sitting on the floor and is located on the left and to the rear of the D-VAN as you enter.
2. Switch "OFF" the two Solar breakers inside the Solar Panel Control box, mounted on the right side as you enter the D-VAN.

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3. Turn the "Power" switch on the top of the Power Control Cabinet (PCC) to the "OFF" position. The PCC located on the wall, on the right side as you enter the D-VAN.
4. Then turn off the main "Power" switch on the outside of the Service Entrance Box (SEB), located on the wall, on the right side as you enter the D-VAN.

C. I-VAN:

1. In the I-VAN, flip the "Power" switch on the front of the Uninterrupted Power Supply (UPS) to the "OFF" position. The UPS is sitting on the floor and is located on the left of the D-VAN as you enter.
2. Turn the "Power" switch on the top of the Power Control Cabinet (PCC) to the "OFF" position. The PCC located on the wall, on the right side as you enter the I-VAN.
3. Then, turn off the main power switch on the outside of the Service Entrance Box (SEB), located on the wall, on your right side as you enter the IVAN.

D. E-VAN:

1. In the E-VAN, turn the 'Power' switch on the top of the Power Control Cabinet (PCC) to the "OFF" position. The PCC is located on the wall, on the right side as you enter the E-VAN.
2. Then turn off the main power switch on the outside of the Service Entrance Box (SEB), located on the wall, on the right side as you enter the E-VAN.
3. Open each of the solar battery boxes at the instrument stands. Inside of each box, mounted on the right side is a power junction module. Each module has a white switch. Flip the white colored switch in each box to the "OFF" position.

II. References:

None.

I. Attachments:

None.