

	Title	Protocol Number
	Installation/Operational Qualification for the New Blending Suite in Building 1	IQOQ2020-020 Rev 0

Attachment 18 – Disaster & Power Failure Recovery Verification

Objective:

The objective of this test is to verify that all major the New Blending Suite equipment recovers to normal operations after a power failure.

Procedure:

1. Follow the procedure in the data table.
2. Normal operation before power loss and expected state after power recovery are defined by vendor documentation and control system configuration.
3. Expected state after power recovery may include alarms, fail-safe condition, automated restart, and/or other conditions.
4. Recovery steps to restore normal operation may include alarm acknowledgement, manual restart, and/or other action; alternately in the situation of automated restart no further recovery steps may be required to restore normal operation.

Acceptance Criteria:

All major the New Blending Suite equipment recovers to normal operations after a power failure.

Result:

Have the acceptance criteria been met? (Y/N) Y If Not, Deviation No: N/A

Performed By:  Date: 10/07/2020

Reviewed By:  Date: 10/07/2020



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	Installation/Operational Qualification for the New Blending Suite in Building 1
	IQOQ2020-020 Rev 0

Attachment 18 – Disaster & Power Failure Recovery Verification (Cont.)

Step	Procedure	Expected Results	Actual Results	Acceptable?	Performed By / Date
1.	Verify that AC-1 is "ON" and operating.	The AC-1 is "ON" and operating normally.	The AC-1 <u>is</u> "ON" and operating normally.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> <u>10/07/2020</u>
2.	Shut-off AC-1 main electrical power.	The AC-1 turns "OFF".	The AC-1 <u>turns</u> "OFF".	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> <u>10/07/2020</u>
3.	Turn "ON" the power for AC-1	The AC-1 turns "ON" and returns to operating state.	The AC-1 <u>turns</u> "ON" and returns to operating state.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> (EE) <u>10/07/2020</u> <u>10/07/2020</u>
4.	Verify that AC-2 is "ON" and operating.	The AC-2 is "ON" and operating normally.	The AC-2 <u>is</u> "ON" and operating normally.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> <u>10/07/2020</u>
5.	Shut-off AC-2 main electrical power.	The AC-2 turns "OFF".	The AC-2 <u>turns</u> "OFF".	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> <u>10/07/2020</u>
6.	Turn "ON" the power for AC-2	The AC-2 turns "ON" and returns to operating state.	The AC-2 <u>turns</u> "ON" and returns to operating state.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> <u>10/07/2020</u>
7.	Verify that AC-3 is "ON" and operating.	The AC-3 is "ON" and operating normally.	The AC-3 <u>is</u> "ON" and operating normally.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> <u>10/07/2020</u>
8.	Shut-off AC-3 main electrical power.	The AC-3 turns "OFF".	The AC-3 <u>turns</u> "OFF".	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> <u>10/07/2020</u>
9.	Turn "ON" the power for AC-3	The AC-3 turns "ON" and returns to operating state.	The AC-3 <u>turns</u> "ON" and returns to operating state.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>APR</u> <u>10/07/2020</u>

Comments:

N/A APR 10/07/2020

Performed By:

[Signature]

Date:

10/07/2020

Reviewed By:

[Signature]

Date:

10/07/2020