

FEMA MHU Research Schedule

Tasks/Subtasks	Jan		February			March				April				May				June			July						
	22-26	29-2	5-9	12-16	19-23	26-2	5-9	12-16	19-23	26-30	2-6	9-13	16-20	23-27	30-4	7-11	14-18	21-25	28-1	4-8	11-15	18-22	25-29	2-6	9-13	16-20	
Administrative Tasks																											
0.1	FEMA Meeting (DC)																										
0.2	Convene SME																										
0.3	Decommission/prepare test units for shipping to Selma																										
0.4	Transport test units to Selma																										
Task A. Bulk Water Testing																											
A.1	Research on window options for accessibility (RS)																										
A.2	Research on more outswing door options (RS)																										
A.3	Develop Test plan (RS)																										
A.4	Test plan to FEMA for review (RS)																										
A.5	Finalize test plan after review (RS)																										
A.6	Coordinate with contact at Selma for staff/equipment (RS)																										
A.7	Conduct Bulk water Testing (RS)																										
A.8	If installed products do not pass, prepare new test plan for alternative products																										
A.9	Retrofit/prepare units for testing of alternative solutions																										
A.10	Conduct Bulk water Testing of alternatives if necessary (RS)																										
A.11	Report findings and refine final specifications (RS)																										
A.12	Prepare a comprehensive test protocol for fenestration testing																										
Task B. Architectural Design and HVAC Assessment																											
B.1	Coordinate equipment maintenance/changeover (RS)																										
B.2	Monitor data (ZK)																										
B.3	Master list of design modifications and revised dwgs and specs (RS)																										
B.4	List to FEMA for review (RS)																										
B.5	List to SME for review (RS)																										
B.6	Update drawings and specifications as per SME meeting feedback (RS)																										
B.7	Decommission/dispose test units (RS)																										
B.8	Analyze, report test results and refine specifications (RS)																										
Fire Safety/TPS																											
B.9	Develop test plan for TPS (ZK)																										
B.10	Request Decoshield for missing material (ZK)																										
B.11	Draft TEST PLAN to FEMA for review (ZK)																										
B.12	Finalize test plan (ZK)																										
B.13	TEST PLAN and schedule to TPS manuf., request designs (ZK)																										
B.14	Review TPS closet flooring samples and finalize (ZK)																										
B.15	Receive prototype design submissions (ZK)																										
B.16	Review prototype designs and provide feedback (ZK)																										
B.17	Finalize prototype designs for fabrication (ZK)																										
B.18	Installation of soffits at Ham Lake (ZK)																										
B.19	Install flooring in TPS closet (ZK)																										
B.20	Ship TPS prototypes to Selma (ZK)																										
B.21	Install/test TPS prototypes in Selma (ZK)																										
B.22	Decommission TPS units after long term testing (ZK)																										
B.23	Report findings and incorporate the final specifications (ZK)																										
Task C. Foundation System Design and Assessment																											
C.1	Develop Test Plan (RS)																										
C.2	TEST PLAN to FEMA for review (RS)																										
C.3	Finalize Test plan (RS)																										
C.4	Coordinate foundation parts to be procured at Selma (RS)																										
C.5	Coordinate with team at Selma for installers (RS)																										
C.6	Install foundation and testing sensors (RS)																										
C.7	Conduct Foundation Testing (RS)																										
C.8	Prepare report and final guidelines (RS)																										

Task D. Process Engineering and Quality Verification Protocol																													
D.1	Develop draft value stream map of current process (JD)	[Gantt bar]																											
D.2	Collect data to fill in missing info/update VSM (JD)	[Gantt bar]																											
D.3	Meet with FEMA to review draft VSM (JD)	[Gantt bar]																											
D.4	Finalize VAM (JD)	[Gantt bar]																											
D.5	Dev. next phase Process Engineering Analysis proposal (JD)	[Gantt bar]																											
Task E. Testing of CONUS Assemblies																													
E.1	Monitor data collection (ZK)	[Gantt bar]																											
E.2	Interim recommendations: Envelope assemblies, HVAC based on winter data	[Gantt bar]																											
E.3	Analyze data and report results (ZK)	[Gantt bar]																											
Task F Installation- Temporary Water and Sewage																													
F.1	Research on potable water (RS)	[Gantt bar]																											
F.2	Research on sewage (RS)	[Gantt bar]																											
F.3	Survey installers for bottlenecks and categorize issues (RS)	[Gantt bar]																											
F.4	Prepare test plan	[Gantt bar]																											
F.5	Send test plan to FEMA	[Gantt bar]																											
F.6	Send test plan to manufacturers, request samples	[Gantt bar]																											
F.7	Install/test products at Selma	[Gantt bar]																											
F.8	Interim reviews with FEMA (RS)	[Gantt bar]																											
F.9	Report results and recommend temp water solutions	[Gantt bar]																											
F.10	Prepare final report and guidelines for temp water/sewage products (RS)	[Gantt bar]																											
Task G Temporary Power																													
G.1	Develop energy use and load profiles for MHUs	[Gantt bar]																											
G.2	Develop optimized generator—battery combo solutions based on profiles	[Gantt bar]																											
G.3	Develop a Test Plan for evaluating the solutions	[Gantt bar]																											
G.4	Conduct controlled laboratory tests of the solutions/Preliminary recommendations.	[Gantt bar]																											
G.5	Develop a preliminary comparison with a generator-only power solution	[Gantt bar]																											
G.6	Demonstration	[Gantt bar]																											
G.7	Report results and recommend an optimized solution	[Gantt bar]																											

- Key:
- Reviews by FEMA
 - Testing at Selma
 - Deliverable/Report
 - Completed Task