

EC-DN
LSL/ 5150
27 AUG 2012

PROJECT: Bay Island Habitat Rehabilitation and Enhancement Project (HREP)

LOCATION: Pool 22 Upper Mississippi River Miles 311.0-312.0
Marion County, MO

DATE OF FIELD VISIT: 27 SEPT 2011

ATTENDEES: USACE: Darron Niles, Charlene Carmack, Bob Ward, Trent Robertson, Randy Kraciun, Monique Savage, Francis Walton

OBSERVATIONS:

- Electrical engineers were in attendance to address issues with location of electrical gear. A wooden tower supported all electrical equipment. There were concerns about whether the electrical gear needed to be raised to a higher level to escape flooding. Missouri Department of Conservation personnel rebuilt the tower and raised the electrical gear above flood elevation.
- It was noted that some sediment was getting into pump.
- Moist soil plant growth was good, but plants were very short due to the duration of high water conditions.
- Overall the system is functioning properly.






RECOMMENDATIONS: Information in this memo shall be incorporated into next Performance Evaluation Report (scheduled for FY13).

Enclosures:
Site Visit Photos
Site Plan

Environmental Management Program, Inspection of Completed Works: Trip Report
 Site Visit Photos and Captions

	
<p>Bay Island Site Visit 27-SEP-11</p>	<p>Pump Controller Tower</p>
	
<p>Pump Controller Tower</p>	<p>Pump Station</p>
<p>Bay Island Site Visit 27-SEP-11</p>	<p>Bay Island Site Visit 27-SEP-11</p>
	
<p>Pump Station</p>	<p>South WMU</p>
<p>Bay Island Site Visit 27-SEP-11</p>	<p>Bay Island Site Visit 27-SEP-11</p>

Environmental Management Program, Inspection of Completed Works: Trip Report
Site Visit Photos and Captions

	
South WMU Bay Island Site Visit 27-SEP-11	South WMU Bay Island Site Visit 27-SEP-11
	
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Mast Tree Planting Bay Island Site Visit 27-SEP-11	Mast Tree Planting Bay Island Site Visit 27-SEP-11
	
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Mast Tree Planting Bay Island Site Visit 27-SEP-11	Spillway Bay Island Site Visit 27-SEP-11

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Spillway Bay Island Site Visit 27-SEP-11	Spillway Bay Island Site Visit 27-SEP-11
	
Water Control Structure Bay Island Site Visit 27-SEP-11	Water Control Structure Bay Island Site Visit 27-SEP-11
	
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<p>Bay Island Site Visit 27-SEP-11</p>	<p>Water Control Structure between North and South Cells Bay Island Site Visit 27-SEP-11</p>
	
<p>Water Control Structure between North and South Cells Bay Island Site Visit 27-SEP-11</p>	<p>North WMU Bay Island Site Visit 27-SEP-11</p>
	
<p>Clear Creek Bay Island Site Visit 27-SEP-11</p>	<p>Access Bridge Over Clear Creek Bay Island Site Visit 27-SEP-11</p>

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Pump Controller Tower



Pump Controller Tower

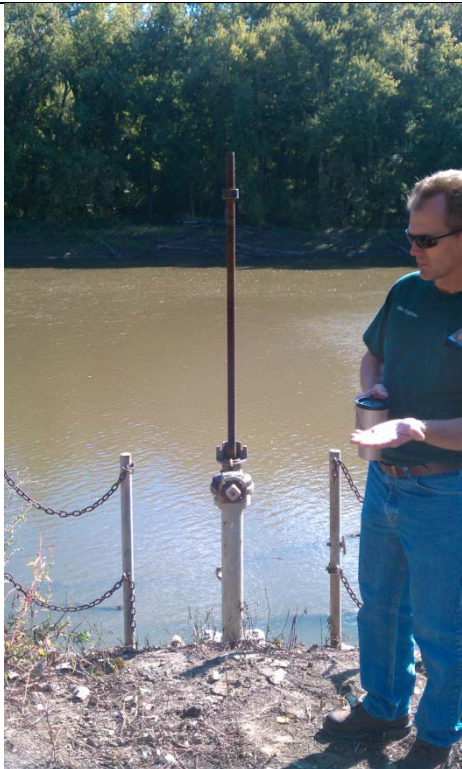


Utility Transformer & Meter Pole



Pump Discharge Pipe

Environmental Management Program, Inspection of Completed Works: Trip Report
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Bay Island Site Visit 27-SEP-11



Pump Power & Monitor Conduits



Pump Junction Box

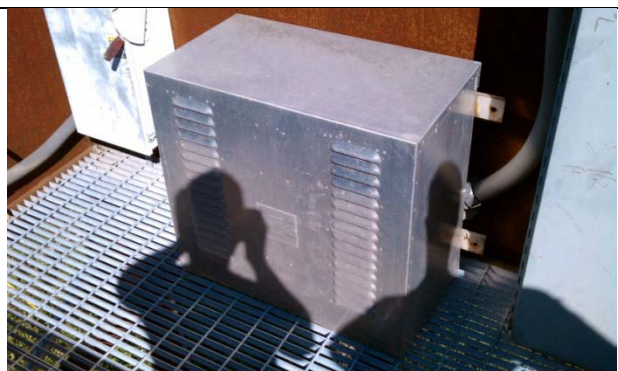


Pump Conduits

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Main Disconnect & Receptacle Transformer



Phase Converter



Bay Island Site Visit 27-SEP-11



Bay Island Site Visit 27-SEP-11

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Utility Transformer



Phase Converter Nameplate



Bay Island Site Visit 27-SEP-11



Pump Discharge Pipe

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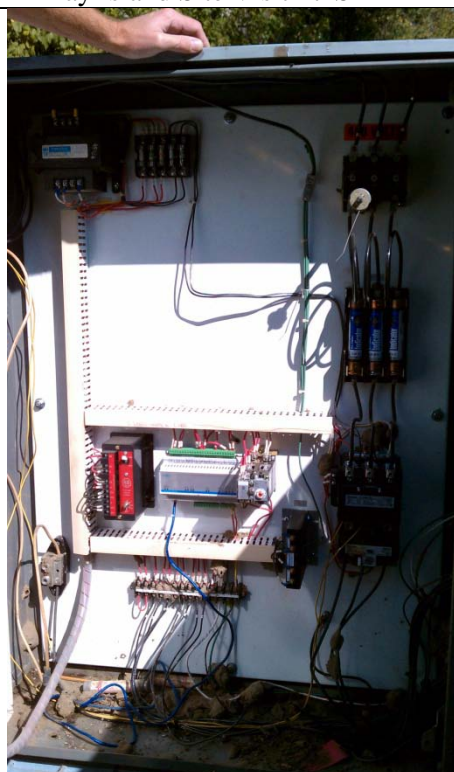
Bay Island Site Visit 27-SEP-11



Bay Island Site Visit 27-SEP-11

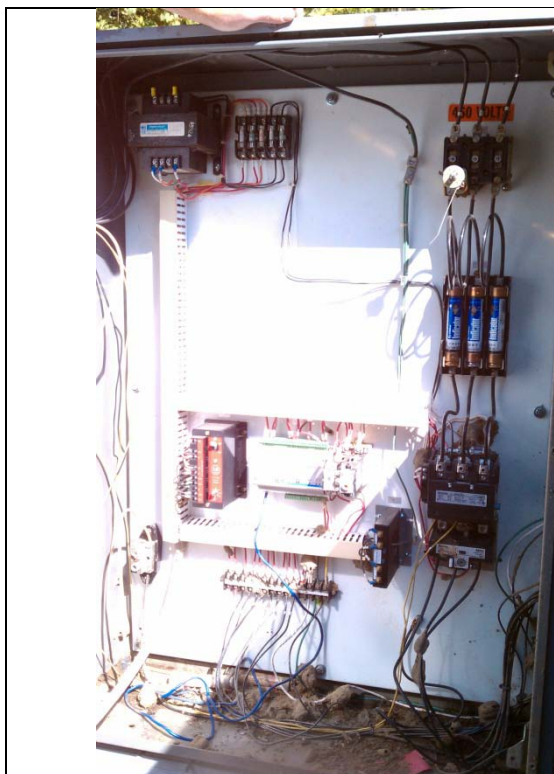


Pump Controller



Pump Controller

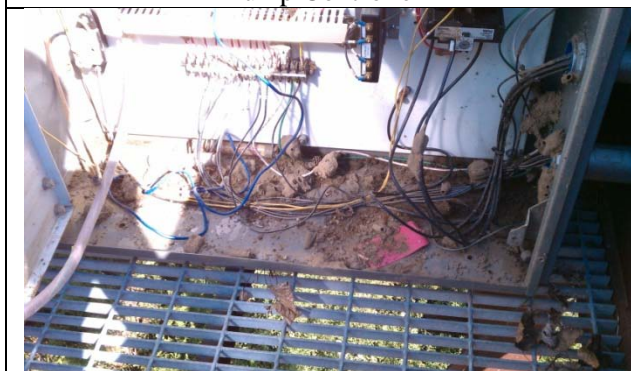
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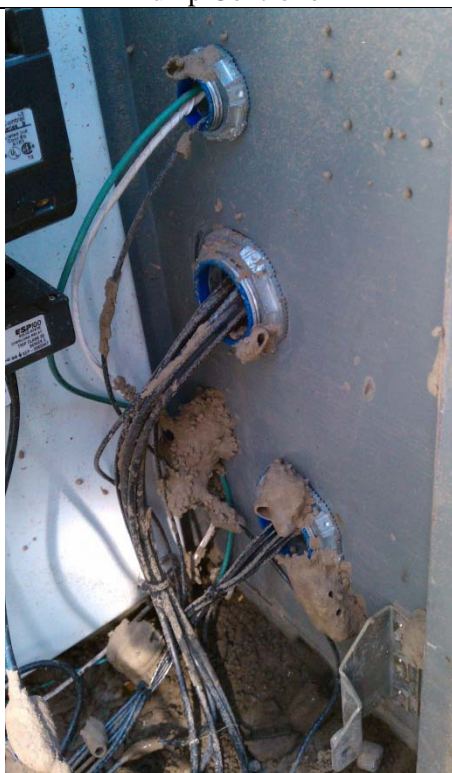
Pump Controller



Pump Controller

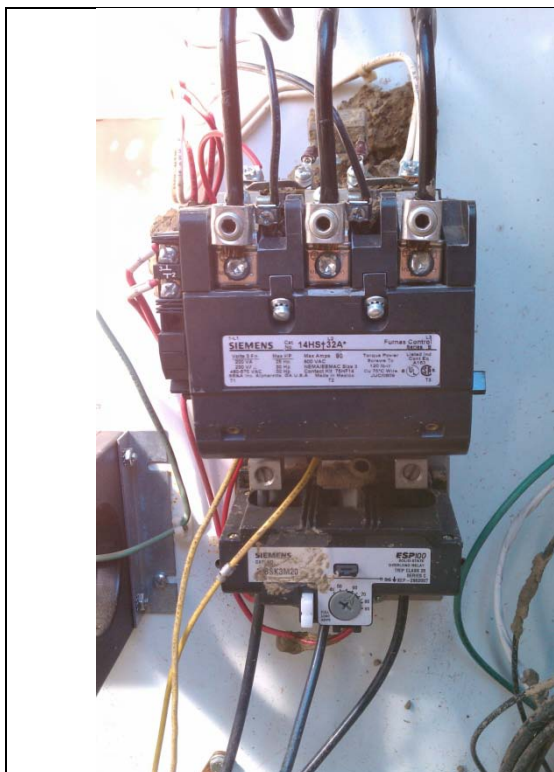


Mud Daubers in Controller

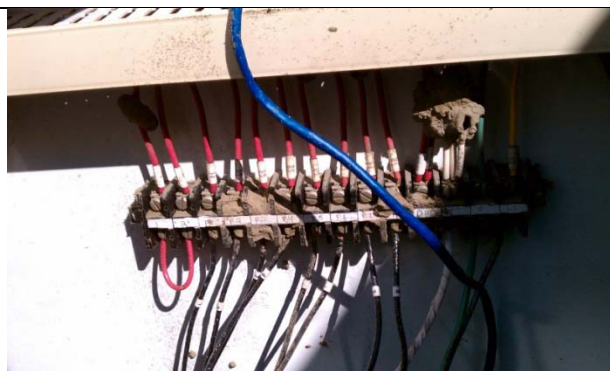


Mud Daubers in Controller

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Mud Daubers in Controller Contactor



Mud Daubers in Controller in Terminal Board



Pump Controller Main Fuses

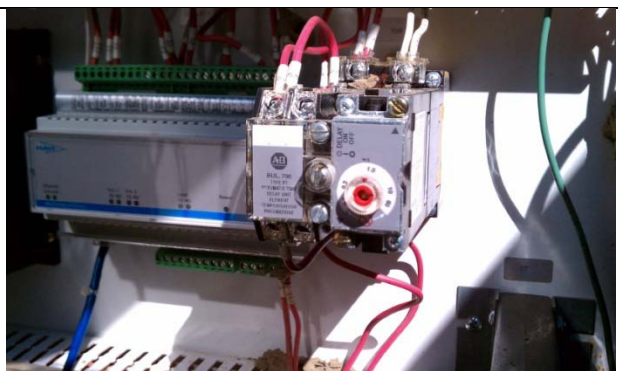


Pump Fault Detector

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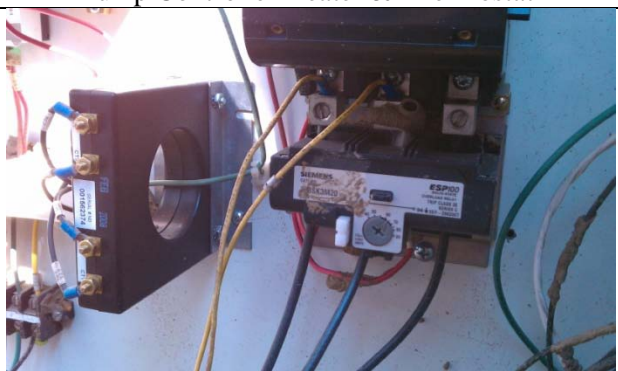
Bay Island Site Visit 27-SEP-11



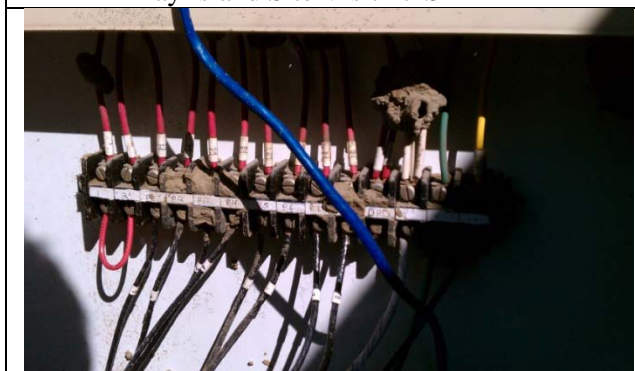
Pump Controller Heater & Thermostat



Bay Island Site Visit 27-SEP-11



Bay Island Site Visit 27-SEP-11



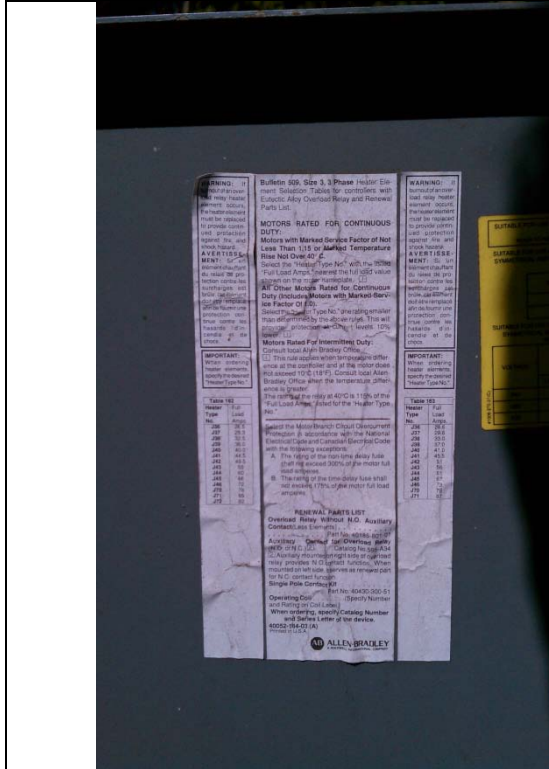
Mud Daubers in Controller in Terminal Board



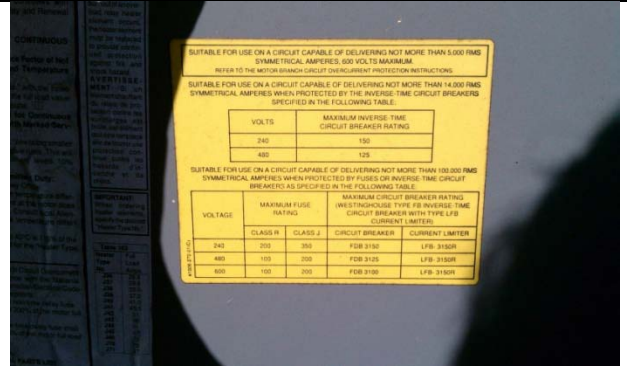
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Bay Island Site Visit 27-SEP-11



Pump Controller Main Controls

