



**DEPARTMENT OF THE ARMY**  
CHICAGO DISTRICT, U.S. ARMY CORPS OF ENGINEERS  
111 NORTH CANAL STREET  
CHICAGO IL 60606-7206

December 16, 2004

Construction Operations Branch

Mr. Dan Gardner  
Little Calumet River Basin  
Development Commission  
6100 Southport Road  
Portage, IN 46368

Dear Mr. Gardner:

This letter provides the results of the Little Calumet River Flood Protection and Recreation project pump station inspections conducted in Gary, IN on September 13, 2004. Representatives from the Corps of Engineers: Reric Witowski, Jan Plachta, Bharat Shah, Ernesto Go and Robert Craib. Representatives from LCRBDC: James Pokrajac and Robert Huffman. Representatives from United Water: Dwain L. Bowie and Adrienne Fancher. Representatives from Greeley and Hansen: Jay Niec and Don Smales. The inspection report is enclosed. The following comments are provided to address noted deficiencies.

**Burr Street Pump Station (Unsatisfactory Rating):**

Pump #1: Pump is operational only in manual mode.

Pump #2: Pump is not operational.

- Sump Pump: Pump is not operational. We lifted the pump-float to energize sump pump but it was non responsive.
- Upon switching all pumps to auto mode and manually lifting the float switches in the wet well, none of the pumps start. The problems seem to be in the motor starters and pump controller (Direct Logic DL205). Suggest to investigate the problems and repair before the next big storm occurs.
- No O&M manual in the pump station for immediate reference during maintenance. Suggest keeping a logbook to record the inspection and maintenance works including the date, purpose and what have been work-on, repaired or replaced.

**None of the pumps operated in automatic mode. Such deficiencies result from inadequate maintenance procedures. In accordance with the Local Cooperation Agreement you must correct these deficiencies within 30 days.**

### Heating and Ventilation System:

- Wall mounted unit heater did not stop at temperature setting indicated on the wall thermostat.
- Fan was operated on manual mode to check interlock with intake louver damper. Fan and louver damper operated as required.
- Check heating and ventilation control system and adjust as necessary to control building temperature.

### Grant Street Pump Station (Marginal Rating)

#### Pumping System:

- Remove trash from pump station intake area.
- Both main pumps are working. Pump no. 1 and 2 run smoothly.
- Sump Pump discharge pipe is disconnected. Not clear why the discharge pipe is disconnected. Did not operate the sump pump.
- Keep O&M manual at the pump station site.
- Suggest keeping a logbook in the pump station to records the inspection and maintenance work including the date, purpose and what has been serviced, repaired, or replaced.

#### Sluice Gates:

- Sluice Gate Located on the right side is broken.
- Incorporate gate travel limit on all sluice gate stem. Currently, the gate travel indicator dial does not reflect actual position of gate. Adjust existing gate travel indicator dial.

### Broadway Avenue Pump Station: (Unsatisfactory Rating)

#### Pumping System:

- No water was available for running the pump so pump was just bumped.
- **Pump #1 ran, Pump #2 did not run (just a humming sound).**
- Suggest replacing a rusted junction box near the top of the sump area to a NEMA 4X stainless steel junction box.
- Keep O&M manual at the pump station site.
- Suggest keeping a logbook in the pump station to record the inspection and maintenance work including the date, purpose and what has been serviced, repaired, or replaced.

#### Sluice Gates:

- **Sluice Gate** functions as intended.
- Incorporate gate travel limit on all sluice gate stem. Currently gate travel indicator dial does not reflect actual position of gate. Adjust existing gate travel indicator dial.

Ironwood Pump Station: (Satisfactory Rating)

Pumping System:

- Pump #1 & #2 run as intended.
- Grounding cable to fence needs to be tightened.
- Keep O&M manual at the pump station site.
- Suggest keeping a logbook in the pump station to records the inspections and maintenance works including the date, purpose and what have been work-on, repaired or replaced.

Sluice Gates:

- Sluice Gate function as intended.
- Incorporate gate travel limit on all sluice gate stem. Currently gate travel indicator dial does not reflect actual position of gate. Adjust existing gate travel indicator dial.

If you have questions, please contact Mr. Witowski at (312) 846-5476. We look forward to conducting the 2005 inspections in July, 2005.

Sincerely,

*Shamel Abou El Seoud*

Shamel Abou-El-Seoud, P.E.

Chief, Construction Operations Branch

Enclosure

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Little Calumet River Basin  
Development Commission  
6100 Southport Road  
Portage, IN 46368

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8. Addressee's Address (Only if requested and fee is paid)  
R. Witowski, 111 N. Canal  
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