

September 20, 2010

Erie Thames Power 280 Elm Street Aylmer, ON N5C 3G3

Attention: Mr. Chris White, Chief Operating Officer

<u>Re: Maintenance Inspection Report -- Our Ref. No. 23403LSP</u> <u>Clinton Power – MS1 & MS 2 Semi-annual inspections</u>

Dear Chris,

Please find attached the report for the semi-annual inspections completed September 9, 2010 at two locations.

Tiltran Services cleaned, serviced and tested as required the main power system. All testing results were satisfactory with no faults found. A summary of the site findings is listed below for your review.

<u>MS1</u>

Findings:

Battery Bank:

- The battery bank switch is on 'float' yet indicator light displays that the unit is in equalize mode. There is no knowing if the battery charger is operating properly. Moving the switch position does not alter the indicating light. It is recommended that the battery charging system be evaluated and repaired or replaced as required.
- There is no Circuit Breaker or other disconnecting means on the DC output of the battery bank. This means that during maintenance times there is not a safety control on the DC output from the batteries. It is recommended that a breaker be added.
- Electrolyte levels were found satisfactory in all cells.



Recommendations:

- It is recommended that the battery charging system be evaluated and repaired as required.
- It is recommended that a breaker be added to the DC output of the battery bank.
- Replacement of the ceramic lightning arresters with polymer type.

Findings/Repairs:

• Witnessed the effectiveness of weed spray- Dead weeds.



- New growths of weeds were observed and larger ones were removed during inspection.
- Photo cell lighting tested and found one of the bulbs was burned out. Bulb replaced from stock in building.
- Broken wire strands seen on reclosers south feeder red phase as mentioned in previous inspection report.



Recommendations:

- Weed spray program should be completed twice per year
- Replace ceramic lightning arresters with polymer type.
- Inspect broken wire strands on the south feeder red phase reclosure to determine the overall condition of the cable and if re-termination or replacement is required

All other equipment that we tested appears in satisfactory condition, suitable for continued service.

Please give us a call should you wish us to provide you pricing and services for any or all of the recommended repairs listed in this report.

If you have any questions/concerns please do not hesitate to contact me. We look forward to being of continued service to Clinton Power.

Sincerely, TILTRAN SERVICES INC.

for the

Doug Charron Master Electrician, Technician Maintenance and Technical Services Phone: (519) 842-6458 Ext 227 Fax: (519) 842-2496 Cell: (519) 521-2600