

From: [Dallas Vincent](#)
To: [John Bryant](#)
Cc: [Joaquin Mavares](#); [John Stevens](#)
Subject: Qatar: ---CRM 506---WCR for H2 Gen. and Feeder water
Date: Friday, October 30, 2009 10:11:13 AM
Attachments: [PD-0300-0004_Rev_A.pdf](#)

Possible New Project:

John Bryant

Can you tell me if we have in house expertise in troubleshooting Hydrogen Generators?

Our client in Qatar appears to be having some equipment issues with the unit called out in the attachment and has ask if we can support them.

Let me know.

Dallas Vincent

Regional Sales Manager - Middle East, Africa

ProEnergy Services

616 FM1960 West, Suit 750

Houston, Texas 77090

281-580-2111 office

281-787 -9201 cell

281-580-1112 fax

<http://www.proenergyservices.com>

This e-mail is the property of ProEnergy Services, LLC and/or its relevant affiliate and may contain confidential and privileged material for the sole use of the intended recipient (s). Any review, use, distribution or disclosure by others is strictly prohibited. If you are not the intended recipient (or authorized to receive for the recipient), please contact the sender or reply to ProEnergy Services at chowatt@proenergyservices.com and delete all copies of the message. This e-mail (and any attachments hereto) are not intended to be an offer (or an acceptance) and do not create or evidence a binding and enforceable contract between ProEnergy Services LLC (or any of its affiliates) and the intended recipient or any other party, and may not be relied on by anyone as the basis of a contract by estoppel or otherwise. Thank you.

From: Mahmood, Tariq (GE Infra, Energy) [<mailto:tariq1.mahmood@ge.com>]

Sent: Friday, October 30, 2009 9:34 AM

To: Dallas Vincent

Cc: Del Sesto, Mike

Subject: FW: ---CRM 506---WCR for H2 Gen. and Feeder water

Dallas, pl find attached as discussed, CC is Mike from PE, pl feel free to ask any questions from Mike, tx

Regards

Tariq

From: Del Sesto, Mike [<mailto:MDelSesto@protonenergy.com>]

Sent: Sunday, November 02, 2008 9:32 PM

To: Tanoli, Zulfiqar (GE Infra, Energy); Cox, Bill; Reed, Douglas (GE Infra, Energy)

Cc: Mahmood, Tariq (GE Infra, Energy); Vierling, James (GE Infra, Energy); Brown, Michael

Subject: RE: ---CRM 506---WCR for H2 Gen. and Feeder water

Zulfiqar

Based on the info below you have 2 failed power supplies in Bank A
And 1 failed on Bank B

H2 Generator 2

Has 1 failed in bank A

You should have errors on the screen indicating the failed power supplies.

You should have 155 to 160 amps DC on all cell stacks

Install the remote diagnostics and log a data file. Send the file to me and I will review it. The file will tell me for sure if the power supplies are failed.

See attached manual for fuse check procedure PG 40.

Best Regards,

Michael DelSesto
Director, Technical Service
Proton Energy Systems
10 Technology Drive, Wallingford, CT 06492 USA
Tel: +01.203.678.2132
Fax: +01.203.678.2278 MDelSesto@protonenergy.com

IMPORTANT: The information contained in this communication is confidential and/or proprietary business or technical data. It is intended for receipt only by the individual or entity to which it is addressed. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, copying or distribution of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone 203-678-2000 or electronically by return message, and delete or destroy all copies of this communication.

From: Tanoli, Zulfiqar (GE Infra, Energy) [<mailto:zulfiqar.tanoli@ge.com>]
Sent: Sunday, November 02, 2008 4:04 AM
To: Del Sesto, Mike; Cox, Bill; Reed, Douglas (GE Infra, Energy)
Cc: Mahmood, Tariq (GE Infra, Energy); Vierling, James (GE Infra, Energy)
Subject: RE: WCR for H2 Gen. and Feeder water

Hi Mike,

There is very minute chances for this much leakage, and secondly once we had even the leakage, the flow remained always high 152scfh. But by measuring the current we found quite different readings, pls. see the following readings:

H2 Gen. 1 (Flow- 66SCFH)

Current for Stack-A = 50.5amps
Current for Stack-B = 103.7.5amps

H2 Gen.2 (Flow-152SCFH)

Current for Stack-A = 102.6amps
Current for Stack-B = 157.5amps

Regards
Zulfiqar Tanoli
+974-5891073

From: Del Sesto, Mike [<mailto:MDelSesto@protonenergy.com>]
Sent: Thursday, October 30, 2008 8:30 PM
To: Tanoli, Zulfiqar (GE Infra, Energy); Cox, Bill; Reed, Douglas (GE Infra, Energy)
Cc: Mahmood, Tariq (GE Infra, Energy); Vierling, James (GE Infra, Energy)
Subject: RE: WCR for H2 Gen. and Feeder water

Zulfiqar Tanoli

If your system pressure is 201 that indicates you are flowing 152scfh. The unit will reduce flow if the system pressure reaches 225. You indicated that the unit has no warnings or errors. Normally this indicates a leak out side of the unit.

One other check you can make is to use a DC amp clamp and confirm you have 155amps at each of the cell stacks. If you have 155 amps; that indicates the unit is producing 152scfh. Also verify that the hydrogen vent line coming out of the unit is not flowing more than 20scfh.

Let me know what you find.

Best Regards,

Michael DelSesto
Director, Technical Service
Proton Energy Systems
10 Technology Drive, Wallingford, CT 06492 USA
Tel: +01.203.678.2132
Fax: +01.203.678.2278 MDelSesto@protonenergy.com

IMPORTANT: The information contained in this communication is confidential and/or proprietary business or technical data. It is intended for receipt only by the individual or entity to which it is addressed. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, copying or distribution of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone 203-678-2000 or electronically by return message, and delete or destroy all copies of this communication.

From: Tanoli, Zulfiqar (GE Infra, Energy) [<mailto:zulfiqar.tanoli@ge.com>]
Sent: Thursday, October 30, 2008 10:49 AM
To: Del Sesto, Mike; Cox, Bill; Reed, Douglas (GE Infra, Energy)
Cc: Mahmood, Tariq (GE Infra, Energy); Vierling, James (GE Infra, Energy)
Subject: RE: WCR for H2 Gen. and Feeder water

Mike, [see the response in Blue..](#)

[Doug, how can we reach the Feeder water Vendor for the WCR \(attached\)?](#)

From: Del Sesto, Mike [<mailto:MDelSesto@protonenergy.com>]
Sent: Thursday, October 30, 2008 5:27 PM
To: Tanoli, Zulfiqar (GE Infra, Energy); Cox, Bill
Cc: Mahmood, Tariq (GE Infra, Energy); Vierling, James (GE Infra, Energy)
Subject: RE: WCR for H2 Gen. and Feeder water

Zulfiqar Tanoli

Proton did not provide the feed water skid

- 1) What is the serial number of generator number 1? [H060061](#)
- 2) What error or warnings are on the display screen? [No warning or error](#)
- 3) What is the product Pressure? [Normal pressure 201psi, flow 66scfh](#)
- 4) What is the system temperature (TE218?) [not visible on HMI](#)

Best Regards,

Michael DelSesto
Director, Technical Service
Proton Energy Systems
10 Technology Drive, Wallingford, CT 06492 USA
Tel: +01.203.678.2132
Fax: +01.203.678.2278 MDelsesto@protonenergy.com

IMPORTANT: The information contained in this communication is confidential and/or proprietary business or technical data. It is intended for receipt only by the individual or entity to which it is addressed. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, copying or distribution of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone 203-678-2000 or electronically by return message, and delete or destroy all copies of this communication.

From: Tanoli, Zulfiqar (GE Infra, Energy) [<mailto:zulfiqar.tanoli@ge.com>]
Sent: Thursday, October 30, 2008 10:17 AM
To: Cox, Bill; Del Sesto, Mike
Cc: Mahmood, Tariq (GE Infra, Energy); Vierling, James (GE Infra, Energy)
Subject: WCR for H2 Gen. and Feeder water
Importance: High

Dear Bill, Mike,

Site had tried to check the problem mentioned in attached WCR, but could not figure out the resolution.

WCR# 57, everything look normal on feed water system, lookalike problem with the HMI/control panel.
WCR#59, tested that even the H2 Gen providing full flow to GTs, but the flow still not going more than 66 , where as showing low flow in case of less flow to GTs.

Looking forward for your support.

Thanks

Zulfiqar Tanoli