Dear Colleagues,

 I am forwarding you a response from Biblis NPP.

 Sincerely,

WANO-MC

**From:**  wanopc.org
**Sent:** Tuesday, April 01, 2014 11:17 AM
**To:** wanomc.ru
**Subject:** RE: BUSHEHR NPP Request concerning NPP FUEL POOL

Dear Mikhail,

 I asked in my plant Biblis for the questions you asked in your mail.

 Unfortunately the answer is not that detailed I hoped to get it.

 For the first part, in both units A and B (nearly similar design) we did not had any damage according to the spent fuel pool.

We do use underwater robotic systems for surveillance checks.

There is also a special system which samples the water between current and cladding of the walls in small collection bottles separated in limited areas, so if there is a leakage, to know exactly where. (But never used in past)

So unfortunately for you, fortunately for my plant, we cannot provide any information about repairing activities in this area.

If you need further information about diagnostic system or surveillance program, please let me know and I will try to get this information asap.

Sincerely

 Project Manager
Operating Experience
WANO Paris Centre
8 rue Blaise Pascal, 92200 Neuilly-sur-Seine, France

World Association of Nuclear Operators - Our mission is to maximise the safety and reliability of nuclear power plants worldwide by working together to assess, benchmark and improve performance through mutual support, exchange of information and emulation of best practices.

*Company information: Association - Reg. N° SIRET 354 007 379 000 51 - APE / NAF code 9499Z
VAT registration number: FR92354007379*

**From:**  wanomc.ru
**Sent:** 11 March 2014 11:06
**To:** wano.org
**Subject:** BUSHEHR NPP Request concerning NPP FUEL POOL

**Dear Colleagues,**

**The construction of Bushehr Nuclear Power Plant began in 1975 by the German Company "KWU". The design of reactor was supposed to be similar to the second Unit of Biblis Power Plant in Germany. Therefore it is very important for them to know some details about the fuel pool of the Biblis plant, it’s probable damages during the lifetime of the plant, and the diagnostic and repair programs for that. In particular, they would like to know whether any underwater robotic system was ever used at Biblis power plant (or at other power plants with similar design) for possible repair activities of the cladding of the walls and floor of fuel pools.

Also, please, let them know if any other power plant has any related information or solution in this regard.

Your detailed information is highly appreciated.**

**Sincerely,**

**WANO-MC**

Dear Colleagues,

Unfortunately, we have not received yet any response from WANO members.

We will immediately send you any incoming information related to your request.

Regards,

WANOMC

OE PROGRAMME MANAGER
T/F: +7 495 221 0295/+7 495 376 1587
25 Ferganskaya, Moscow, Russia, 109507

-----Original Message-----
From: Hamid Azarbad [mailto:azarbad@nppd.co.ir]
Sent: Monday, March 17, 2014 2:14 PM
To: WANO-MC
Cc: DERAKHSHANDEH Hossein; bnpp Bnpp
Subject: Fwd: BUSHEHR NPP Request concerning NPP FUEL POOL

Dear Colleagues,

following the e-mail send to you on 11 Mar 2014, please keep us informed of question posed by BNPP-1 and the taken measures.

Best Regards,

Hamid Azarbad,
WANO CP&OSR
BUSHEHR NPP.
+98 771 411 7536
E-mail: azarbad@nppd.co.ir

----- متن ارسال شده -----
From: Hamid Azarbad <azarbad@nppd.co.ir>
To: Kezin <Kezin@wanomc.ru>
فرستاده شد: Tue, 11 Mar 2014 11:37:15 +0330 (IRST)
عنوان: BUSHEHR NPP Request concerning NPP FUEL POOL

Dear Colleagues,

You are kindly requested to take necessary measures concerning the following for receiving the technical viewpoints of Biblis NPP, Germany and Angra NPP, Brazil.

A urgent question from Biblis NPP and Angra NPP:

The construction of Bushehr Nuclear Power Plant began in 1975 by the German Company "KWU". Since the design of its reactor was supposed to be similar to the second Unit of Biblis Power Plant in Germany, it is very important for us to know some details about the fuel pool of this plant, its probable damages during the lifetime of the plant, and the diagnostic and repair programs for that.

In particular, we would like to know whether any underwater robotic system was ever used at the aforementioned power plant (or other similar power plants) for probable repair activities of the cladding of the wall and floor of fuel pools.

Also if any other power plant has any related information or solution in this regard, please let us know.

Your detailed information is highly appreciated.

Best Regards,

Hamid Azarbad,
WANO OSR&CP
BUSHEHR NPP.
+98 771 411 7536
E-mail: azarbad@nppd.co.ir