

Status for Linac, etc.

- March 24 (Thu): Water level for Linac increased.
 - 10 cm deep water in Linac tunnel was detected.
 - Water utility became available for office. No air conditions for the office yet.
- March 25 (Fri): Electricity started to recover.
 - Pumping water for Linac with motor-driven generator. Due that water is highly alkaline (PH11), anti-alkali acid has to be prepared to dump water.
 - Electricity for central control room for PHS telephone connection succeeded.
 - Explanation to MEXT. Also, proposed the 1st suppl. budget.
- March 28 (Mon): Electricity recovery accelerated.
 - All the water was removed from Linac.



Status for Linac on March 24.



Crack observed on March 28 after pumping water.

Other Facilities

- March 28 (Mon): Inspection for MR, Neutrino and Hadron initiated.
 - Lights for MR, Neutrino and Hadron were recovered using the main transformer.
- March 29 (Tue):
 - Water for MR, neutrino and hadron came from cracks at walls inside MR tunnel. The PH is 8, so that no acids are needed. From 3/29 the full pumping started.
 - Linac and 3 GeV: Using still motor-driven generators for electricity.
- March 31 (Thu): J-PARC Center Meeting
 - RCS (3 GeV), a big worry is a sharply bent electric wires (shown below).
 - Neutron Source: Shielding walls were displaced significantly (see, next page).

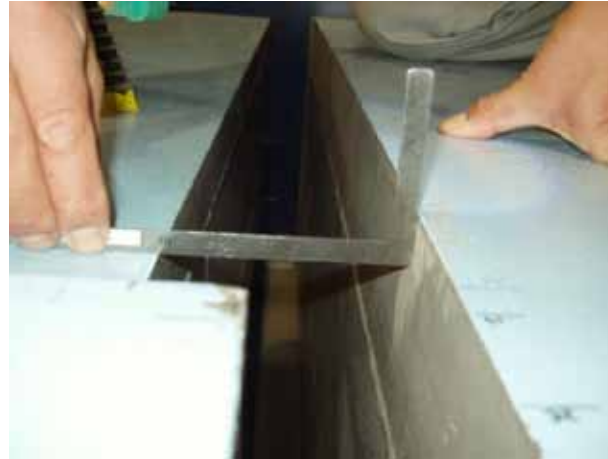


Sharply bent electric wires.



Normal wires.

Displacement and Inclination



Displacement of shielding wall in MLF.
The 2nd Hall: BL20 Area (upper)
The 1st Hall: BL04 Area (left)



Remote maintenance guide cell for Neutrino Horn.
Very dangerous situation.

3 GeV Main Ring and Beam Transports



After lights are on, healthy looking areas.
Detailed check will be performed soon.

- 1) 3 GeV Main Ring (upper left).
- 2) Beam line from switch yard to Hadron Hall (upper right).
- 3) Superconducting primary beam line for Neutrino (left).

Status on April 1 (1)

- April 1 (Fri):
 - Pumping water continued. Next stage are 1) vacuum and 2) reduction of humidity.
 - Electric power for half a year = 14MW. Can increase to the normal at any time.
 - Setting of GPS for all the elements has to be arranged.
 - Over a few 1000 tons of shielding walls have to be removed for Hadron and MLF.
 - So far, no fatal damages for accelerators were found, though detailed checks are needed. Linac: the following damages were discovered.

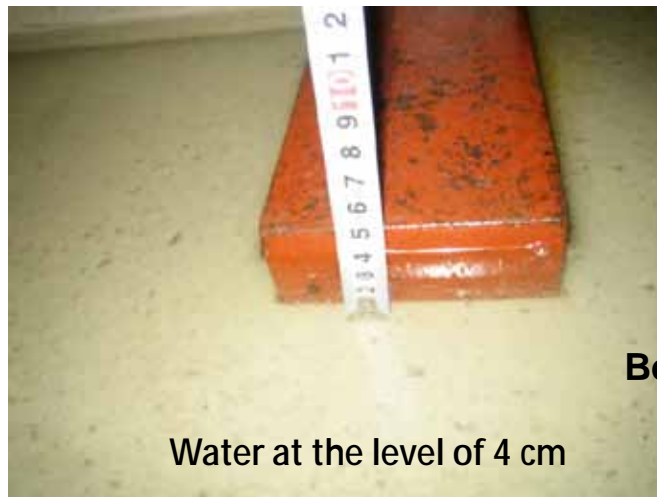


Ceramic Vacuum Current Transformers located between the cavities (upper and upper right). Over 20 of them were destroyed.
Sharply bent joint bellows (right).



Status on April 1 (2)

- April 1 (Fri): (continued)
 - Results of pumping water for Neutrino and Hadron (below), No water for 3 GeV.



On-Site
Neutrino
Detector



Before After



Hadron
Switch
Yard



Before After

