

Issues and Lessons Learned from the Great East Japan Earthquake

■ Issues arising from the Great East Japan Earthquake

- Accurate information on damage and restoration of johkasou was not shared.
- Standards to determine whether or not to temporarily install johkasou were not established.

■ Lessons learned from Great East Japan Earthquake

1. Clarification of disaster prevention measures for johkasou

- Conclusion of agreements of support during disasters among johkasou-related parties (Realize smooth measures during disasters)
- Establishment of a communication system during disaster among johkasou-related parties (Share accurate information)
- Updating of the johkasou management register (Update reliable basic information)
- Updating of stockpiles (Realize temporary use at an early stage)
- Establishment of construction methods to improve strength of johkasou (Realize disaster prevention and disaster mitigation)

2. Revision of the Manual to Handle Damage, Etc. to Johkasou during a Disaster

Based on the issues revealed during the Great East Japan Earthquake, the “**Manual of anti-disaster for Johkasou**” was revised in March 2012.

<Major revisions>

- Clarification of role sharing for disaster measures
- Establishment of standards to determine temporary use
- Upgrading of the collection of examples

3. “Notes Related to Installation, Maintenance, Management and Effective Reuse of Johkasou Installed at Temporary Housing”

“**Notes Related to Installation, Maintenance, Management and Effective Reuse of Johkasou Installed at Temporary Housing**” was summarized in booklet form in February 2014 to allow appropriate construction, maintenance, management and reuse of johkasou installed at temporary housing.

<Major contents>

- Heat insulation work when installed above the ground
- Securing of power source, hydrant socket, vacuum car routes, safety facilities, etc.
- Conclusion of contracts for reliable maintenance and management