

Results of investigation on inappropriate APD usage  
during restoration work at Fukushima Daiichi Nuclear Power Station

**<Previous background>**

- July 19 Our main contractor reported that some workers from its cooperative companies were suspected of wearing APDs covered with lead covers while working. TEPCO instructed to the company to conduct a factual investigation
- July 23 An announcement was made to the cooperative companies requesting a thorough implementation of the radiation control rules at a special liaison conference for the promotion of safety.  
A questionnaire survey to determine if there had been any other similar cases was conducted (Employees / Cooperative companies)
- July 24 TEPCO received instruction documents from NISA and the Ministry of Health, Labor and Welfare
- July 27 An interim report was submitted from the aforementioned main contractor, testifying to the fact that 5 workers had worn APDs covered with lead covers. TEPCO instructed the main contractor to check if there were any other similar cases, and report recurrence prevention measures, etc.
- August 8 TEPCO received a final investigation report from the main contractor
- August 27 The questionnaire investigation results of similar cases was compiled.

**<Regarding inappropriate APD usage, etc.>**

**◆Investigation result**

- Investigation results of the usage of lead covers to cover APDs (August 8)
  - It turned out that on December 1, 2011, when working at Fukushima Daiichi Nuclear Power Station, a primary subcontractor supervisor instructed workers to cover APDs with lead covers made by him. Five out of the nine workers working on that day had covered their APDs with lead covers. The lead covers were used only on that day, and were discarded the next day.
- Results of the questionnaire investigation of similar cases (compiled on August 27)
  - In the questionnaire investigation to TEPCO employees and the team leaders from the main contractor and primary subcontractor concerning inappropriate usage of APDs, there were no answers pertaining to the witnessing of inappropriate acts, being consulted, or being instructed.

#### ◆Recurrence prevention measures

○TEPCO and our main contractor, in cooperation with each other, will implement the following measures

- Start activities such as identifying APD holders by the color of their protective clothing, and confirming if workers wear APDs by conducting visual or tactile verifications at each hub such as the Seismic Isolated Building, rest places, and J Village, and checking that the APD is being worn prior to beginning work with other workers, conducting surprise site inspections, and comparing data between APDs and glass badges, etc.
- Workers engaged in works under high levels of radiation will wear protective clothing with a transparent chest part. (Scheduled to be start in October)
- Strengthening radiation protective training, and conducting several activities that will serve the purpose of reminding workers about the importance of wearing APDs to improve awareness about radiation controls.
- Consultation services and an anonymous questionnaire will be started to continuously investigate cases of inappropriate usage of APDs

#### ◆Countermeasures for inappropriate cases

○Usage of APD lead covers

- Revoking the right to engage in radiation related works at TEPCO sites for those who have engaged in acts deemed improper.
- Suspension of similar kinds of contracts with the main contractor during the time that the thorough implementation of recurrence prevention measures is being verified.

○Similar cases

- Strict measures as were conducted this time will be applied to all acts of intended inappropriate APD usage

#### <Exclusion of inappropriate subcontracts>

As some inappropriate cases were found through investigating sub-contractors through the main contractor as part of an investigation on this matter, contractors are additionally urged to consider and conduct recurrence prevention measures.

#### ◆Investigation result

It was discovered that some of the registered temporary workers from the second tier subcontractor were actually workers from another company. Thus, the second tier subcontractor and the company are suspected of violating Article 44 of the Employment Security Act, which bans workers from engaging in labor supply

businesses.

◆**Recurrence prevention measures**

- The main contractor will request that the subcontractors submit the below mentioned documents to verify that the workers are actually directly employed by the subcontractors, provide thorough instruction concerning compliance with related laws, and exchange opinions with cooperative companies.
  - “Notice of Acquisition of the Employment Insurance Qualification, etc.”  
or “Roster of Insured Employees of the Employment Insurance of the Business Establishment”
  - If workers were exempted from employment insurance, “Employment Agreement”
  
- TEPCO will hold meetings to exchange opinions with main contractors, introducing inappropriate cases regarding subcontracts and requiring compliance with related laws. Tepco will also compile information on the activities of each company and aim at the lateral spread of such activities among the subcontractors.
  
- Also, TEPCO will conduct questionnaire surveys about the actual work conditions of workers engaged in restoration works.

End