

STATEMENT OF MR. AHMET BERAT CONKAR, CHAIRMAN OF THE FOREIGN
AFFAIRS COMMITTEE OF GRAND NATIONAL ASSEMBLY OF TURKEY ON
AKKUYU NUCLEAR POWER PLANT

Dear Mr. Chairman

Dear Colleagues,

I would like to bring some facts about the security measures taken by Turkish side regarding Akkuyu Nuclear Power Plant (NPP).

The active faults in the major continent of Turkey were studied in detail by the General Directorate of Mineral Research and Exploration (MTA). According to this study, all the seismic faults of Turkey is well known. Within this frame, no active fault is available in 100 km surrounding areas of Akkuyu site.

For the last 40 years, starting from 1970s, various seismicity studies have been conducted, and Akkuyu site was determined as one of the most reliable areas in Turkey.

Cyprus Hellenic subduction zone passing through the central and southern part of the Mediterranean Cyprus is well known, and this zone, as well, is 100 km away from Akkuyu site. Although, despite this, Akkuyu Nuclear Power Plant is being designed to be resistant to earthquake of 9 degree intensity. Pursuant to the documents of the International Atomic Energy Agency (IAEA), the fault laying 10 km away from the plant is evaluated as "negligibly low".

The selection of the plant was done in compliance with the international and national standards, requirements and recommendations

Akkuyu NPP is located in the earthquake area of the 5-th category, which is the most reliable area according to the seismicity classification.

The geological, geophysical and geotechnical studies of the Akkuyu NPP have been done in 4 separate areas covering

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regional (300 km radius area), nearby area (25 km radius area)
and site area (5 km radius area).

Seismic risk studies have been done by 4 different research groups independently, with the purpose of avoiding possible errors, as well as testing the accuracy of available data and knowledge.

These 4 institutions are: Boğaziçi University Kandilli Rasathanesi Deprem Araştırma Enstitüsü Observatory and Earthquake Research Institute (Turkey), Russian Academy of Science - World Physics Institute (Russia), Rusya Bilim Akademisi –WorleyParsons (Europe) and Rizzo (USA).

All these studies suggest that Akkuyu NPP site is extremely reliable in terms of seismicity. This very situation was the most important reason to select Akkuyu site for building a NPP.