

Tono Natural Analogue Project - History of the Tsukiyoshi Fault activity at the Tono uranium deposits -

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History of the fault activity was studied to clarify an effect of fault activity to the preservation and migration of uranium around the Tsukiyoshi Fault that cuts and displaces uranium orebody. The structural and geological investigations in the Tono underground mine indicated two phases of fault activity of the Tsukiyoshi Fault. That is 1: dip-slip fault movement, 2: strike-slip fault movement. The fault was active during the period ranging from the deposition of the Akeyo Formation, the Mizunami Group to the unconformity between the Mizunami and overlying Seto Groups based on the comparison of thickness of each stratigraphic unit between hanging wall and footwall in the Tsukiyoshi Fault.