

Evaluation Criteria for the Japan Atomic Energy Agency (Draft)

Red letters are amended parts.

Item	Evaluation Criteria	Remarks (Related Evaluation Indicators, Monitoring Indicators and etc.)
<Divided by item>		
<p>4. Basic and general research based on nuclear power and human resource development</p> <p>(2) R&D on the high temperature gas-cooled reactor and its heat utilization technology</p>	<p>● Whether the outcomes on the high temperature gas-cooled reactor and its heat utilization technology are sufficiently meaningful comparing the foreign technology development status and, furthermore, they can contribute to the judgment such as the possibility of practical application in the future or not.</p>	<p>{Qualitative point of view}</p> <ul style="list-style-type: none"> ● Efforts status for the operation recommencement of HTTR (Evaluation indicator) ● Collaboration status with the industry and etc. for the future practical application (Evaluation indicator) ● Progress of the tests with using HTTR (Evaluation indicator) ● Progress of the tests for continuous hydrogen generating in IS process (Evaluation indicator) ● Response status to the national policies and etc. (Evaluation indicator) ● Evaluation for the results of the safety verification tests and continuous hydrogen generation tests comparing with the foreign technology development status (Monitoring indicator) ● Efforts to develop human resource (Monitoring indicator) <p>{Quantitative point of view}</p> <ul style="list-style-type: none"> ● Achievement level in the safety standard preparation (Evaluation indicator) ● Overall progress of the project for HTTR connection tests including the system design, safety evaluation and facility construction (Evaluation indicator)
<p>5. R&D on the fast breeder reactor/advanced reactor</p>	<ul style="list-style-type: none"> ● Whether the efforts that make safety the top priority, such as strengthening the operation management system, are carried out or not. ● Whether the efforts to develop human resource are sufficient or not. 	<p>[Qualitative point of view]</p> <ul style="list-style-type: none"> • Efforts status to prevent human accidents, accidents and troubles, etc. (Evaluation indicator) • Implementation status of quality assurance activities, safety culture development activities, and compliance activities such as laws and regulations (Evaluation indicator) • Response status up to recovery at the occurrence of troubles (Evaluation indicator) • Accumulation and handling status of operation/maintenance management technology (Monitoring indicator) <p>[Quantitative point of view]</p> <ul style="list-style-type: none"> • Number of human accidents, accidents, and troubles, etc. (Monitoring indicator) • Number of problems pointed out in security inspection, etc. (Monitoring indicator) <p>[Qualitative point of view]</p> <ul style="list-style-type: none"> • Status of efforts for developing human resource on the technical transfer from the experiences at “Monju”, upgrading of the operation/maintenance management technology and etc. (Evaluation indicator)
<p>(1) Efforts for decommissioning “Monju”</p>	<p>● Whether the efforts/outcomes for decommissioning are appropriate or not.</p>	<p>{Qualitative point of view}</p> <ul style="list-style-type: none"> ● Efforts status for decommissioning (Evaluation indicator)
<p>(2) R&D on the high temperature gas-cooled reactor and its heat utilization technology</p>	<p>● Whether the outcomes on the high temperature gas-cooled reactor and its heat utilization technology are sufficiently meaningful comparing in light of the foreign technology development status and, furthermore, if they can contribute to the judgment such as the possibility of practical application in the future or not.</p>	<p>[Qualitative point of view]</p> <ul style="list-style-type: none"> • Efforts towards restarting the HTTR operation (Evaluation indicator) • Collaboration status with the industry, etc. for future practical application (Evaluation indicator) • Progress status of HTTR test (Evaluation indicator)

		<ul style="list-style-type: none"> • Progress status of continuous hydrogen generating test of the IS process (Evaluation indicator) • Compliance status of the national policies, etc. (Evaluation indicator) • Evaluation of results of safety verification tests and continuous hydrogen generation tests in light of the foreign technology development status (Monitoring indicator) • Efforts to develop human resource (Monitoring indicator) <p>[Quantitative point of view]</p> <ul style="list-style-type: none"> • Achievement level of the safety standard creation (Evaluation indicator) • Overall progress of the project for HTTR connection tests including system design, safety evaluation and facility construction (Evaluation indicator)
7.Activities for verifying the decommissioning of nuclear facilities in Tsuruga district	<ul style="list-style-type: none"> ● Whether the efforts that make safety the top priority are carried out or not. ● Whether the efforts to develop human resource are sufficient or not. ● Whether the efforts/outcomes toward decommissioning are appropriate or not. ● Whether the outcomes that will lead to problem resolution by promoting the pioneering decommissioning measures of nuclear facilities and the planned implementation and technology development for processing and disposal of radioactive waste have been achieved or not. 	<p>[Qualitative point of view]</p> <ul style="list-style-type: none"> • Efforts status to prevent human accidents, accidents and troubles, etc. (Evaluation indicator) • Implementation status of quality assurance activities, safety culture development activities, and compliance activities such as laws and regulations (Evaluation indicator) • Response status up to recovery at the occurrence of troubles (Evaluation indicator) • Accumulation and transfer status of maintenance management technology (Monitoring indicator) <p>[Quantitative point of view]</p> <ul style="list-style-type: none"> • Number of human accidents, accidents, and troubles, etc. (Monitoring indicator) • Number of problems pointed out in security inspection, etc. (Monitoring indicator) <p>[Qualitative point of view]</p> <ul style="list-style-type: none"> • Status of efforts for developing human resource (Evaluation indicator) <p>[Qualitative point of view]</p> <ul style="list-style-type: none"> • Status of efforts toward decommissioning measures (Evaluation indicator) <p>[Qualitative point of view]</p> <ul style="list-style-type: none"> • Creation status of the outcomes of the pioneering technology development on decommissioning measures and processing/disposal (Evaluation indicator) • Progress status of the clearance of objectives (Evaluation indicator) • Contribution to the cost reduction in the decommissioning of nuclear facilities (Monitoring indicator)

※ “Evaluation indicator” means the indicators to be used for evaluation/assessment, and “Monitoring indicator” means indicators which are necessary to support for understanding the exact facts to evaluate appropriately/strictly. In the actual operation, the appropriate indicators according to the items to be evaluated shall be flexibly selected and set.