Questions

Q1. Please provide the address of the project site.

Address of the project site : Clinch River Nuclear Site, 1520 Bear Creek Road, Oak Ridge, Tennessee

Q2. Please provide a brief explanation of the project.

The deployment of a BWRX-300 small modular reactor (SMR) unit, as part of a proposed 5-unit project, at the Clinch River Nuclear Site to provide high-capacity, carbon-free baseload power essential for meeting growing grid demands and data center energy requirements. By utilizing a standardized, modular design and site-specific environmental mitigation strategies, this project aims to support reliable electricity while minimizing the land and resource footprint per megawatt compared to traditional large-scale power facilities. The project integrates advanced nuclear technology with rigorous supply chain oversight and a commitment to safe, sustainable operations.

Q3. Is it a new project to be implemented or a project that has been implemented? If implemented, has it received a serious complaint from local residents or a directive fbr improvement, a stop-work order, a project suspension order, etc., from a local environmental authority?

- (●) New project to be implemented
- ( ) Project that has been implemented (with a complaint)
- ( ) Project that has been implemented (without a complaint)
- ( ) Other( )

Q4. Do the laws or regulations of the country where the project will be implemented require the project to conduct environmental and/or social impact assessments (such as an Environmental and Social Impact Assessment (ESIA) and Environmental Impact Assessment (EIA))? If so, have they been conducted or planned?

- ( ) Required (Assessments done)
- (●) Required (Assessments in progress or being planned)
- ( ) Not Required
- ( ) Other ( )

If "Not Required", please disregard Q5. Please go to Q6.

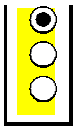
Q5. If environmental and/or social impact assessments have been conducted, have they been approved in accordance with the environmental and social impact assessment system of the country where the project will be implemented? If so, please also specify the date of the approvals and the name of the authorities.

- ( ) Approved (without condition(s))
- ( ) Approved (with condition(s))
- ( ) Under approval process
- (●) Other (Environmental assessment of Unit 1 of Clinch River has been approved, environmental assessments of Units 2-5 of Clinch River have not yet been completed or submitted for approval)

Date of Approvals :
Name of Authorities :

Q6. Are there any environmental permits required other than environmental and/or social impact assessments? If required, please specify the status and the name of the permits.

- ( ) Obtained



Required, but not obtained yet
Not required
Other ( )

Name(s) of required permits) :

Except where a permit listed below is noted as having been obtained for Unit 1, applications for the following required permits have not yet been filed:

Federal Aviation Administration Determination of No Hazard and Construction Notice

Tennessee Department of Environmental Conservation (TDEC) Construction General Permit for Discharges of Stormwater Associated with Construction Activities (obtained for Unit 1, to be revised to reflect proposed expanded scope)

TDEC Land Disturbance Permit (obtained for Unit 1, to be revised to reflect proposed expanded scope)

Aquatic Resources Alteration Permit

U.S. Army Corps of Engineers Section 404 Permit

U.S. Coast Guard Private Aids to Navigation Permit

EPA and TDEC Acknowledgment of Notification of Waste Activity

EPA and TDEC Facility Response Plan Approval

EPA and TDEC Spill Prevention, Control and Countermeasure / Integrated Pollution Prevention Plan

U.S. Fish & Wildlife Service Consultation / Biological Assessment

U.S. Fish & Wildlife Service Migratory Bird Protection Compliance

General Air Permit for Large Concrete Batch Plant

TDEC Air Permit Application (Minor New Source Review)

TDEC Notice of Intent for NPDES General Permit for Pesticides

State Historic Preservation Office Section 106 Cultural/Tribal Consultation

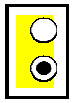
Tennessee Department of Transportation Entrance Permit

Tennessee Department of Transportation Right-of-way Permit

City of Oak Ridge Sanitary Sewer Connection

Q7. Will the project be specified after JBIC made a funding commitment (as in the case of a two-step loan,

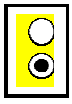
where sub-projects cannot be specified at the time of a funding commitment)?



Yes
No

If "Yes", please disregard the following questions.
If 'No", please go to Q8.

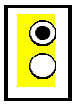
Q8. Will JBIC's funding be used to serve as support for international balance of payments or to be used for the provision of goods or services that does not involve installation or implementation in particular sites or regions, as in the case of export/import or lease of machinery or equipment that is not connected with a particular project?



Yes
No

If "Yes", please disregard the following questions.
If 'No", please go to Q9.

Q9. Are there any environmentally sensitive area(s) shown below in or near the project site(s)?

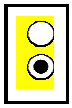


Yes
No

If "Yes", please mark the applicable items and go to Q10.
If "No", please go to Q10.

- ☐ (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous peoples, and cultural heritage, etc., designated by national governments)
- ☐ (2) Forests with important ecological value (including primary forests and natural forests in tropical areas)
- ☐ (3) Habitats with important ecological value (including coral reefs, mangrove wetlands, and tidal flats)
- ☑ (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc.
- ☐ (5) Areas in danger of large-scale salt accumulation or soil erosion
- ☐ (6) Areas with a remarkable tendency towards desertification
- ☑ (7) Areas with unique archaeological, historical or cultural value
- ☑ (8) Areas inhabited by ethnic minorities, indigenous peoples, or nomadic peoples with traditional ways of life (including areas which are used for cultural and spiritual purposes) and other areas with special social value

Q10. Is the project anticipated to involve the following characteristics?



Yes
No

If "Yes", please specify their scale.
If "No", please go to Q12.

- ☐ (1) Involuntary resettlement or loss of means of livelihood (Number of affected people:)
- ☐ (2) Groundwater pumping (Scale: ㎥/year)
- ☐ (3) Land reclamation, land development, and land clearing (Scale: ha)
- ☐ (4) Logging (Scale: ha)

Q11. Under the environmental and social impact assessment system of the country where the project will be

implemented, do the applicable characteristics (1) - (4) of Q10 above and their scale serve as the basis for executing an ESIA for the project?

- ○ Yes, they do
- ○ No, they do not
- ○ Other ( )

Q12. Is the project likely to have a significant social impact, including human rights?

- ◉ Yes
- ○ No

If "Yes", please describe the impacts and go to Q13.
If "No", please go to Q13.

- ☐ Likelihood of a significant impact on human rights ( )
- ☐ Other ( )

Q13. Will JBIC's funding or NEXI's insurable value be equal to or less than 5% of the total project cost, or will JBIC's funding or NEXI's insurable value be equal to or less than SDR 10 million? (If the funding or insurable value is additional to a project that has been supported by JBIC or NEXI, please add up the previous funding or insurable value and the funding or insurable value being considered to apply for this time.)

- ◉ Yes
- ○ No

If "Yes", please disregard the following questions.
If "No", please go to Q14.

Q14. Is the project for capital investment or working capital in a project that has been implemented and does it involve no material change in output or function (as in the case of maintenance of the existing facilities, non-expansionary renovation project, and acquisition of rights and interests without additional capital investment)?

- ◉ Yes
- ○ No

If "Yes", please disregard the following questions.
If "No", please go to Q15.

Q15. Is the project in any of the following sectors?

- ◉ Yes
- ○ No

If "Yes", mark the applicable sectors and go to Q 16.
If '"No", please disregard the following question.

- ☐ (1) Mining
- ☐ (2) Oil and natural gas development
- ☐ (3) Pipelines
- ☐ (4) Iron and steel (projects that include large furnaces)
- ☐ (5) Non-ferrous metals smelting and refining
- ☐ (6) Petrochemicals (manufacture of raw materials; including complexes)
- ☐ (7) Petroleum refining

- ☐ (8) Oil, gas, and chemical terminals
- ☐ (9) Paper and pulp
- ☐ (10) Cement plants (including a greenfield quarry)
- ☐ (11) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.
- ☐ (12) Thermal power
- ☑ (13) Nuclear power
- ☐ (14) Hydropower, dams, and reservoirs
- ☐ (15) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging, or submarine electrical cables
- ☐ (16) Roads, railways, and bridges
- ☐ (17) Airports
- ☐ (18) Ports and harbors
- ☐ (19) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- ☐ (20) Waste management and disposal
- ☐ (21) Agriculture involving large-scale land-clearing or irrigation
- ☐ (22) Forestry
- ☐ (23) Tourism (construction of hotels, etc.)

Q16. Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.). In addition, pleased explain whether an environmental and/or social impact assessment is required on account of the large scale of the project in the country where the project will be implemented.

The Clinch River Nuclear Site totals approximately 935 acres and is located in Oak Ridge, Tennessee. Unit 5 of Clinch River is one of five (5) units, each producing approximately 300 MWe, that are proposed to be located at the site. The area in which the plants and buildings at the site, including Unit 5, will be located remains subject to finalization based on ongoing layout design work. Under the National Environmental Policy Act (NEPA), an Environmental Impact Statement (EIS) is expected to be required for the proposed Units 2-5 of Clinch River, because the construction and operation of nuclear power plants, including SMRs, requires the issuance of licenses from the Nuclear Regulatory Commission and is therefore considered a "major federal action." The proposed Units 2-5 of Clinch River will therefore require, pursuant to NEPA, a review of their environmental and social impacts. This review will supplement the existing Environmental Review and EISs that were prepared in support of the existing Early Site Permit and Construction Permit Application for Unit 1 of Clinch River.