

1. Technology 3.1 The Middle East and Africa Region
2. Project Name 3.1.50 Collaborative project regarding adoption of formation water treatment technology at petroleum refineries and other facilities in the Southern Iraq region
3. Keywords Iraq
4. Objectives This project is aimed at introducing the technology for treating formation water that contains salt to Iraq.
5. Contents/Results Up till the present, Iraq procured equipment for demonstration tests that consist of the treatment processes selected based on our discussions (the equipment is manufactured by Swing Engineering Corporation), and Iraqi engineers completed training programs (including how to operate the equipment for demonstration tests, how to run the equipment, and how to install the equipment) in Japan. Although it required time to gain approval for installing the equipment for demonstration tests because doubts about conformity to the country-of-origin labeling and adaptability to the maximum ambient temperature (55°C) arose in regard to the equipment, we finally obtained approval for accepting the equipment, prepared the stored equipment for demonstration tests, and made preparations for export. In fiscal 2022, the equipment for demonstration tests was dispatched from the Port of Yokohama to Iraq on August 9 and arrived at Umm Qasr Port in Iraq on September 17. Although there were some delays due to changes in customs clearance procedures, we cleared customs in early November 2023 and the equipment arrived in Ruwais, which is the site for the demonstration tests. The equipment for demonstration tests is currently being installed. A technical conference was held on February 6-8, 2024, to discuss the implementation method of the demonstration tests.
6. Reference This project was carried out as a collaborative project between Water Reuse Promotion Center and Swing Engineering Corporation that was commissioned by Japan Cooperation Center Petroleum (JCCP).