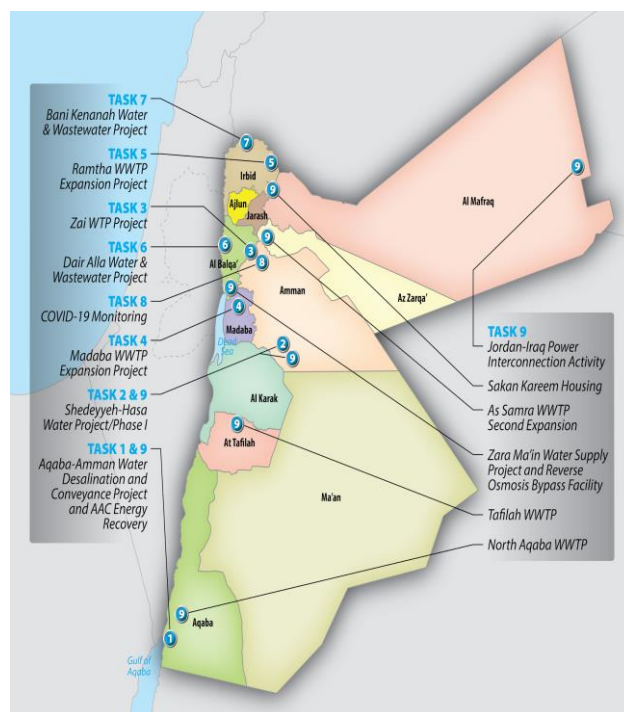




## Jordan Water Infrastructure Program

**USAID Contract Number:**  
AID-OAA-I-15-00047

**Contract/Agreement Period:**  
July 16, 2018 to September 30, 2022



Jordan is one of the most water-scarce countries in the world. A rapidly growing population and changing climate strain the already shrinking water resources. Jordan's water systems provide comprehensive service coverage throughout the Kingdom, but water supplies are not always constant. Aging infrastructure results in significant water loss. Jordan requires expansions and upgrades to water treatment plants, water distribution systems, sewer collection systems, and wastewater treatment plants including expansion of effluent reuse in order to protect and optimize use of diminishing surface water and groundwater resources.

United States Agency for International Development (USAID) Jordan Water Infrastructure (JWI) (Program) is an Indefinite Delivery/Indefinite Quantity (IDIQ) contract awarded to CDM International Inc. (CDM Smith) by USAID to cover all Architect and Engineer infrastructure development tasks that USAID, in cooperation with the Ministry of Water and Irrigation and Water Authority of Jordan, water companies, municipalities, and Ministry of Environment, plans to carry out during the program life span within selected areas of Jordan. The goal is to achieve strategic goals set by USAID and the Government of Jordan.

USAID's JWI Activity will strengthen Jordan's water security while improving human and environmental health.

### JWI Program Tasks:

JWI Program is divided into nine tasks to deliver specific improvements throughout Jordan:

**Task 1- Aqaba-Amman Water Desalination and Conveyance Project (AAWDCCP).**

**Task 2- Construction Supervision-Shedeyyeh-Hasa Water Project Phase I**

**Task 3- Expansion of Zai Water Treatment Plant Project**

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**Task 4- Expansion of Madaba Wastewater Treatment Plant (WWTP) Project**

**Task 5 - Expansion of Ramtha Wastewater Treatment Plant (WWTP) Project**

**Task 6- Water and Wastewater Project for Dair Alla and Al Karamah.**

**Task 7- Water and Wastewater Project for Bani Kenanah**

**Task 8 - Technical Assistance to Water Utilities**

**Task 9- Additional Architect and Engineer (A&E) Services.** This task includes 20 activities.

For more information, contact us  
at USAID Jordan Water  
Infrastructure Program  
Tel: 009626 4642720  
[JRD-JWI@cdmsmith.com](mailto:JRD-JWI@cdmsmith.com)  
[www.cdmsmith.com](http://www.cdmsmith.com)

**Task 1- Aqaba-Amman Water Desalination and Conveyance Project (AAWDCP).**

The AAWDCP Project is the largest national desalination project in Jordan. Upon completion, it will provide Jordan with 300 million cubic meters of desalinated Red Sea water per year, equivalent to the demands of approximately 4 million people.

**Task 2- Construction Supervision–Shedeyyeh–Hasa Water Project Phase I**

Located in central Jordan, this phase and correlated task will consist of construction management services for the Well Drilling Contract Phase IA. Phase IB will include pre-contract and CMS services for the design-build-operate (DBO) contract (water treatment plant, wellhead completion and pumps, and wellfield pipelines).

**Task 3- Expansion of Zai Water Treatment Plant Project**

It was originally slated to consist of detailed engineering design and tender documents for expansion of the Zai WTP project, which is located at Dair Alla in the Jordan Valley and continues through Balqa Governorate to Amman. However, the King Abdullah Canal currently does not have any additional water for the system expansion. Therefore, the task now consists of existing conditions assessments and an options report for improvements of the Zai system facilities.

**Task 4- Expansion of Madaba Wastewater Treatment Plant (WWTP) Project**

The Feasibility Study (FS) and the design and tender documents for expansion of Madaba Wastewater Treatment Plant (WWTP) will consist of a feasibility report for the expansion of the WWTP, a reuse plan, existing conditions assessments, and design and tender documents for the WWTP expansion.

**Task 5 – Expansion of Ramtha Wastewater Treatment Plant (WWTP) Project**

FS and the design and tender documents for expansion of the Ramtha WWTP will consist of a feasibility report for the expansion of the WWTP, a reuse plan, existing conditions assessments, and design and tender documents for the WWTP expansion.

**Task 6- Water and Wastewater Project for Dair Alla and Al Karamah.**

USAID's Jordan Water Infrastructure activity, provides studies and designs to improve the water supply to the Deir Alla and Karamah Districts. Once constructed in 2025, this water system will serve 105,000 people in 17 localities.

The wastewater component of the project will enhance health and safety of the Deir Alla district by providing sanitation networks to serve 70,000 people in ten communities by providing designs for 120km of sewer pipelines, four pump stations, and a treatment plant. The project will be constructed through funds provided by the European Investment Bank.

**Task 7- Water and Wastewater Project for Bani Kenanah**

The Bani Kenanah Water Supply System project prepares the studies and the design for the rehabilitation and upgrade of the existing system. Once constructed in 2025, this water system will serve 105,000 people in 17 localities.

Under this project, USAID is designing over 680 km of new pipelines, a 16,000 m3 capacity water reservoir, and a pump station. The European Investment Bank will fund the construction of the newly designed system.

**Task 8 - Technical Assistance to Water Utilities**

This task consists of technical assistance to water utilities providing technical, financial, customer service, energy efficiency, operation and maintenance (O&M), and other services, as requested.

**Task 9- Additional Architect and Engineer (A&E) Services.**

This task includes 20 activities. Some of these activities are:

- The expansion of North Aqaba WWTP.
- Rehabilitation of Zara Ma'in water supply project and reverse Osmosis bypass facility.
- As Samra WWTP second expansion.
- Jordan-Iraq Power Interconnection Activity.
- Rehabilitation of Tafileh WWTP.
- Improvement for the Reuse System for North Aqaba Wastewater Treatment Plant.
- Assessment of Wala Dam
- Environmental Impact Assessment (EIA) for Eshidiya industrial water treatment plant.
- Sakan Kareem Housing.
- Wadi Zarqa WWTP Feasibility Study and ESIA.