



**Kiewit**



## **INDUSTRIAL WATER** CAPABILITIES

With decades of experience, Kiewit — through its operating companies — brings solutions to treat, distribute and control water and wastewater for the industrial and manufacturing industries. We offer cost-saving solutions that maximize water and energy efficiency, allowing clients to focus on their core business.

# THE KIEWIT DIFFERENCE

## NOBODY GETS HURT

Safety comes above all else. At Kiewit, nothing is more important than the safety of the men and women on our project sites and the surrounding public. No excuses. No shortcuts. Nobody Get Hurt.

## CONSTRUCTION DRIVEN

Designing with construction and operations in mind from day one ensures engineering deliverables are sequenced correctly during each stage of the project and owner/operators requirements are incorporated – ultimately driving cost and schedule certainty.

## CUSTOMIZED TECHNICAL SOLUTIONS

We balance capital and lifecycle costs to provide a technology-neutral solution that best meets project goals. Our tailored execution process layers client standards over Kiewit's proven processes to produce a customized, high-quality design which provides seamless project execution.

## COMMERCIAL FLEXIBILITY

We work with clients to determine the optimal project contracting method that supports the project needs and helps reduce risk and project cost. Our experience ranges from design-bid-build to design-build-own-operate.



# SELECTED EXPERIENCE

## HICKORY RUN ENERGY CENTER | *North Beaver Township, PA*

Engineering, procurement, construction and start-up of a new 1000 MW natural gas-fueled, combined-cycle power plant. The project involves a 7 MGD water treatment system that takes make-up water from the secondary effluent of a municipal wastewater treatment facility. The system was designed to accept a wide range of water quality from this reclaimed water source and included MBBR, ultrafiltration, reverse osmosis and Actiflo high-rate clarifiers to produce high purity water for the steam cycle and cooling tower make-up.

## CHARLES E. MEYER DESALINATION PLANT | *Santa Barbara, CA*

Led BOP design and construction of the project's facilities, structures and infrastructure at this 3 MGD desalination plant. The revitalized plant and overall system uses state-of-the-art technology and incorporates design and construction practices in all facilities and systems to reduce electrical demand and environmental impacts while providing a critical water supply for the city.

## COVE POINT LIQUEFACTION PROJECT | *Lusby, MD*

Engineering, procurement, construction and start-up of a new 5.25 mtpa LNG facility with a 130 MW power plant and additional OSBL facilities. This included a zero liquid discharge (ZLD) WWTP. The ZLD system concentrates impurities in the facility's well and blowdown water in a crystallizer and removes most remaining water which is recycled back into the water make-up system. Dry cooling and water recycling was incorporated to minimize the amount of water needed for the facility's processes.

## LANGLEY GULCH POWER PLANT | *New Plymouth, ID*

Design and installation of a ZLD water treatment system to concentrate the cooling tower blowdown and recycle clean effluent back to the system. Equipment consisted of a cooling tower blowdown storage tank, multimedia filtration system, ultrafiltration system, primary sodium zeolite softening system, polishing sodium zeolite softening system, decarbonator, cartridge filter and high-efficiency reverse osmosis (HERO™) system.

## UNIVERSAL STRENGTH & COMMITMENT

Behind each of our subsidiaries is the full strength of the larger Kiewit organization—our resources, systems, procedures and lessons learned are shared across each of our operating groups. With this, clients and partners can rest assured that they will receive the same commitment and performance across our organization.

