

Innovating Beyond Boundaries

For Critical Point Evaluation

Leveraging expert evaluation to maintain cost-effective, mission-focused outcomes



Critical Point Evaluation (CPE) is an in-depth technical assessment of environmental remediation systems.

The CPE process:

- Ensures that these systems are constructed and operated according to design requirements
- Verifies that they are on track to meet their performance objectives
- Evaluates the correctness of the initial design specifications

CPEs provide an independent, comprehensive review of a site's remediation system to determine its effectiveness and operational accuracy.

Purpose and Use of CPE

- Validation: CPEs are used to validate the accuracy of reported conclusions and ensure that the remediation system is operating as intended. They also assess whether the system is likely to meet performance objectives, especially at complex sites with significant cost and risk factors.
- Optimization: The evaluations are conducted early in the operational period, allowing for meaningful system optimizations or the implementation of alternative remedial approaches if necessary.
- Decision Support: Findings from CPEs inform acquisition planning, adjustments to current contracts, and response action planning, particularly for emerging contaminants like PFAS.

Noblis applies CPE to quickly develop solutions when immediate action is needed but contracts aren't yet in place. We start by providing initial findings and high-level recommendations, then build out detailed technical plans that can be used to develop a project budget, government cost estimate and scope of work. The CPE process enables rapid action, with some projects successfully securing contracts within six months of the initial CPE.



What the Noblis CPE Process Offers

- 1. Comprehensive Evaluation:** Noblis provides a thorough and independent evaluation of site-specific environmental remediation systems to ensure alignment with design requirements and performance objectives, ultimately reducing the risk of system failure or underperformance.
- 2. Technical Expertise:** Our remediation engineers and scientists bring specialized knowledge to the evaluation process, ensuring that all aspects of the remediation system are meticulously analyzed and identifying potential issues early.
- 3. Cost Efficiency and Risk Reduction:** We optimize remediation systems and develop alternative strategies when needed, helping the government minimize the total cost of remediations and lowering the risk associated with environmental cleanup efforts, particularly at high-priority sites.
- 4. Proactive Problem Solving:** The Noblis approach identifies data gaps and develops recommendations to enhance remediation processes to better address complex environmental challenges, such as those posed by PFAS contamination.
- 5. Alignment with Government Objectives:** Noblis works closely with government points of contact to ensure that the evaluations are tailored to the specific needs and objectives of each site, promoting successful outcomes that meet high-level technical and quality expectations.
- 6. Proven Track Record:** Noblis has successfully completed CPE projects at over 100 sites, demonstrating a consistent ability to meet and exceed evaluation metrics and positioning Noblis as a trusted advisor and reliable partner for government agencies.
- 7. Continuous Improvement and Adaptation:** We continuously strengthen our CPE process to respond to emerging government needs, such as addressing PFAS-impacted drinking water supplies, ensuring that the process remains relevant and effective in meeting key environmental restoration goals.



ABOUT NOBLIS

For more than 25 years, Noblis has been an innovator within the federal government, committed to enriching lives and making our nation safer while investing in the mission of tomorrow. As a nonprofit, Noblis works for the public good, bringing together the best possible combination of science, technology and engineering expertise and solutions, in an environment of independence and objectivity to deliver enduring impact on federal missions. Together with our subsidiaries, we work with a wide range of government clients in the defense, homeland security, intelligence, law enforcement and federal civil sectors.