

MORE THAN JUST INSPECTIONS:

EXTENDING THE LIFE OF YOUR INFRASTRUCTURE WITH BRAD MCCREA

At Dunham Engineering, we have always prided ourselves on delivering top-tier corrosion and lifecycle extending engineering, design, and inspection services. But as the challenges our clients face become more complex, so do our solutions. Today, we want to spotlight our most senior field technician, Brad McCrea, and highlight how his elite expertise is helping our customers protect their critical infrastructure in ways that go far beyond standard inspections.

Deep Roots in the Water Industry

Brad's comprehensive understanding of water storage tanks and infrastructure did not just come from a textbook; it was built from the ground up. He began his career working hands-on for his father's water tower rehabilitation and plant services company. This foundational experience gave him a practical, real-world understanding of how facilities operate and the unique challenges they face.



From there, Brad brought his experience to Dunham Engineering in a lead inspection role. Over the years, his deep curiosity and commitment to his craft allowed him to grow from a skilled inspector into a highly technical design and problem-solving asset for our clients. Today, Brad is recognized as our resident expert in all things related to coatings, water storage tanks, and facilities. If we are designing a solution, he has probably performed it, and can help the design team understand what works best in the field.

Elite Credentials: The AMPP Level 3 Advantage

Brad holds the prestigious title of Level 3 AMPP (Association for Materials Protection and Performance) Inspector. This is the highest level of certification in the coatings inspection industry, representing a mastery of corrosion control and protective coatings.



However, Brad has moved into a technically focused role that allows him to utilize this certification for much more than standard compliance checks. While traditional inspections are a critical snapshot of your asset's current condition, Brad's expertise allows us to look at the bigger picture.

Extending the Life of Your Infrastructure

We are continually expanding our offerings to help clients proactively manage their assets, and Brad is at the forefront of this initiative. He specializes in comprehensive lifecycle assessments for existing infrastructure. By conducting highly advanced coating assessments and structural evaluations, Brad can accurately diagnose the true health of a water storage tank or correlating facility infrastructure. More importantly, he translates this technical data into actionable strategies. Brad works

alongside our customers to forecast long-term maintenance costs and develop strategic rehabilitation plans designed to drastically extend the life of their infrastructure. Instead of just telling you what is wrong, Brad provides the roadmap to make it right—and keep it that way.

Proactive Solutions for New Designs

Brad's value is not limited to aging infrastructure. His field-tested insight based on decades of coating, blasting, and welding experience is an incredible asset when designing new facilities as well. By understanding how coatings and structures fail over time in the real world, and when and where inspection emphasis is most valuable, he helps our team design new infrastructure and inspection plans that solve our customers specific problems from day one. He engineers solutions that mitigate future corrosion, simplify maintenance, and ultimately lower the total cost of ownership

Partner with Our Experts

At Dunham Engineering, we are committed to being more than just an inspection and design firm; we are your long-term partners in infrastructure management. Brad McCrea's unique blend of hands-on construction experience, elite inspection credentials, and strategic lifecycle planning makes him an invaluable asset to our team—and to your facilities. If you are looking to assess the health of your current water storage tanks, predict future maintenance costs, or design a new, corrosion-resistant facility, we have the expertise to guide you. Contact Dunham Engineering today to learn how Brad and our team can help you formulate a customized plan to protect your infrastructure for decades to come.

