

# Stormwater Construction Quality Assurance

## Bonneville Power Administration

Washington, Oregon, Idaho and Montana



*CQA work plan preparation  
field inspections  
engineering plan review  
stormwater management  
stormwater CQA  
reporting*

In 2016 Terraphase was awarded a five-year contract with Bonneville Power Administration (BPA) for construction quality assurance (CQA) field inspection services on the construction and maintenance of stormwater facilities at substation sites across the BPA's service area. The BPA is a federal power agency that generates and delivers electricity to customers in the Pacific Northwest, including Oregon, Washington, Idaho, and Montana.

CQA field inspectors document and report that stormwater construction complies with quality control specifications. The work is being performed to bring facility stormwater drainage systems and associated discharges into compliance with federal, state, and local regulatory requirements, and preempt possible regulatory action for non-compliance with stormwater regulation.

Work scope includes the following:

- CQA Work Plan preparation
- Site-specific stormwater data review
- Stormwater engineering plan review
- Field inspection
- Field and final reporting

Projects involve installation of secondary containment liners around oil-filled electrical equipment, installation of pre-cast concrete oil-water separator/treatment vaults, installation of infiltration or flow-control basins, installation of associated plumbing or catch basins, or other stormwater system work.