



MARION EMPLOYEE PROFILE JEB BARRETT

Jeb has been a valuable part of Marion's consulting department since 2006. As a senior Geologist who has first-hand experience as a TDEC regulator, his opinion brings a knowledgeable perspective to any project. Along with his expertise writing SPCC and SWPPP plans, he is our resident specialist on the state dry cleaner fund.

Jeb is active in the community. He is a coach for the Chattanooga Football Club Academy and Signal Mtn. Youth Basketball League, president of the Chattanooga Flying Disc Club, member of the Cleveland Rotary Club, and the Chattanooga Regional Manufacturers Association Environmental Affairs Committee. He is also president-elect of the TN chapter of the American Institute of Professional Geologists. By any measure, Jeb is a leader both at Marion and in the wider community.

Marion Environmental Inc. is one of the leading providers of environmental consulting, remediation, and emergency response in the southeast. Our goal is to provide cost effective solutions to environmental problems.

Making *our* standard, industry standard.

SPCC Plans

In 1973, the original Spill Prevention, Controls, and Countermeasures (SPCC) Rule found within the Oil Pollution Prevention Regulations was published in the Federal Register under the authority of the Clean Water Act. Since its original publishing, the rule has been amended three times, with the last amendment occurring in 2009.

In order to document compliance with the SPCC rule, facilities are required to have an SPCC Plan. An SPCC Plan is a written description of a facility's compliance with the Oil Pollution Prevention Regulations. The plan details the equipment, manpower, procedures and steps to prevent, control and provide adequate countermeasures to an oil release. For most facilities the SPCC plan must be certified by a Professional Engineer.

Who is subject to the SPCC Rule?

The SPCC Rule applies to owners or operators of non-transportation-related facilities that:

- Drill, produce, store, process, refine, transfer, distribute, use, or consume oil or oil products (if it floats, coats, and biodegrades it's an oil); and
- Have aboveground oil storage capacity greater than 1,320 US gallons, or completely buried oil storage capacity greater than 42,000 US gallons; and
- Could reasonably be expected to discharge oil to US navigable waters or adjoining shorelines.

If any of the above pertains to you and you do not have an implemented SPCC Plan, then you are out of compliance and subject to fines potentially as high as \$200,000 for violations related to the Clean Water Act. *Don't have a plan?* Don't worry. With our staff of professionals, MEI can help you get back into compliance.



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Creek Restoration

Marion Environmental Inc. (MEI) has just concluded a project removing gasoline-contaminated soil and sediment within a wetland and stream channel at a gasoline spill site. The gasoline flowed into a small stream approximately 80 feet from the release source and then flowed downstream approximately 600 feet into a wetland. Six underflow dams were constructed in the stream channel to contain floating gasoline while allowing water to pass through. MEI then assisted in the removal of approximately 4,000 cubic yards of gasoline contaminated soil from the area around the release source.

After contaminated soil & sediment removal, the excavations were backfilled with cherty clay fill and topsoil, and the stream channels were shaped as closely as possible to resemble their pre-excavation cross-section & slope. A "wetlands seed mix" was applied to the denuded former excavation area and woven straw matting was staked down to prevent the seed from washing away. Straw bales were staked down within the channel to help slow down the water and act as sediment traps while the newly planted seed takes root. MEI successfully worked with the client, regulatory agencies, and property owners to accomplish this project to the satisfaction of all stakeholders.



Oil Removal in Lagoon

Marion recently completed an oil removal project in a lagoon. We employed skimmers, guzzlers, frac tanks, and many feet of boom. In the end the project was a complete success. The oil was recycled and the lagoon returned to its natural state. Remember MEI when you have a spill in or around water.



Safety Tip

Even if you do not plan on swimming, be cautious around natural bodies of water including ocean shoreline, rivers and lakes. Cold temperatures, currents and underwater hazards can make a fall into these bodies of water dangerous.

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