

PRODUCTION
MANAGEMENT
INDUSTRIES



Protecting our clients.
Safeguarding
our environment.



PRODUCTION MANAGEMENT INDUSTRIES

PMI Environmental Services has grown to become a leader in the environmental services field, providing a full range of cleaning and environmental services solutions. Our team of dedicated, hard-working professionals is committed to providing customers with safe, effective, cost-efficient solutions that meet their individual needs.



About PMI

PMI's three main service groups are:

- Drilling Cleaning Services
- Production Maintenance Cleaning Services
- Environmental Services

We are dedicated to providing our customers with the best solutions for their unique needs. In addition, our company is large enough to provide the highest quality service and technical capabilities, but small enough to provide personal service. We pride ourselves on hiring personnel who are experienced, highly trained and dedicated to helping our customers with even the smallest details.

With locations in Louisiana, Texas and Colorado, PMI provides services from mud pit cleaning to NORM remediation, container rentals and much more. We strive for customer satisfaction through safe, responsible services of the highest quality with an eye on protecting our clients and safeguarding our environment.

www.pmi.net
1-888-229-3837
contact@pmi.net

Safety and Quality

At PMI, our commitment to safety is unsurpassed. We are dedicated to conducting business in a manner that protects the environment as well as the health and safety of our employees, customers, contractors and the general public.

We firmly believe that there is no service or job so urgent that we cannot take the time to complete it safely. This philosophy is shared by all PMI employees. We don't just publish a safety plan, we live the plan by providing our employees with the tools and training needed to perform their jobs safely and correctly.

Our safety program includes the S.H.A.R.P. behavioral-based safety process – a continuous process for improvement with the purpose of minimizing risk, recognizing hazards and improving safety performance. In addition, all of our employees are empowered to invoke Stop Work Authority – helping to ensure that we do the right thing, the right way, for the right reasons toward avoiding risk and protecting people and the environment.

At PMI, our commitment to safety is embodied in our custom-built, five-day employee training program. This program far exceeds the minimum standard for our industry.

We believe that safety and quality go hand in hand – you cannot have one without the other. By striving to provide a work environment that is free from unacceptable risks and hazards, PMI helps to ensure the safety of our employees and the quality of our work.



**The clear choice for
cleaning solutions.**



Production Maintenance Cleaning Services

PMI Environmental Services provides a comprehensive range of tank and vessel cleaning services both onshore and offshore. We offer conventional cleaning services as well as on-line cleaning through the use of our innovative VICTA system (Vessel In-Service Cleaning Tool Assembly).

Maintenance

- NORM survey of equipment, production tubular and soil
- Above ground storage tanks
- Offshore and Onshore Conventional Tank & Vessel Maintenance Cleaning and Degassing for Refurbishment
- Flex Lancing Facility Deck Drains and Tank & Vessel Inner-connected Production Process Piping
- VICTA System – In-Service Production Vessel Cleaning
- Amine System Cleaning and Rehabilitation
- Glycol System Sampling, Cleaning and Rehabilitation
- Particle Filtering for sensitive new fabrication
- Hot Oil Filter for Compressor Lubrication Oil Systems and Hydraulic Systems
- Chemical Cleaning, Pickling and Passivation of New and Existing Heat Exchanger Piping
- Platform Washdown and Drain Maintenance

Decommissioning

- Offshore and Onshore Facilities Decommissioning Cleaning for Removal
- Offshore and Onshore Facilities Decommissioning Cleaning and Pickling for Future Utility
- Offshore Pipeline Decommission Flushing and Pickling for Future Utility

NORM

As a full service solutions company, PMI has comprehensive capabilities to meet our customers' Naturally Occurring Radioactive Material (NORM) needs. We are one of the environmental industry leaders in NORM removal. Our Louisiana Department of Environmental Quality (LDEQ) - specific NORM license for decontamination, remediation and waste processing ensures that we can handle each customer's unique needs from permitting to project release. We are the NORM experts.

VICTA

PMI's VICTA on-line cleaning system allows PMI to clean critical path production vessels while on-line and efficiently remove sand from critical path production vessels.

Some of the benefits of the VICTA system include:

- Reduces downtime and increases production run time on critical path process vessels
- Allows for operation at peak efficiency for longer periods of time
- Brings a higher return on investment to operator
- Reduces amount of wash water generated during the sand removal process
- Reduces cost of waste handling and disposal of unnecessary wash water through recycling
- Reduces safety risks and spill risks
- Eliminates extensive man-hours in confined spaces
- Improves incident rates and safety performance for the contractor and facility

VESSEL CLEANING



VICTA - During the course of normal production, basic sediment was accumulating inside the LP Bulk Separator.

A quantity of sediment, significant enough to bridge beneath the oil bucket, restricted three-phase separation and flow to the water bucket. Conventional Tank and Vessel Cleaning methods call for the shut-in of a critical path production vessel, and as a result, required a Service Contractor to make a confined space entry to clean the vessel.

PMI, with the use of their VICTA process, was able to remove 165bbl of sand and restore the LP Bulk Separator to operating efficiency without HES exposure in a confined space, and not shut-in the production process, thus allowing a significant cost savings of approximately \$1,000,000.00 of lost production.



Remediation and Restoration



PMI recently completed the remediation/restoration and closure of a 7000+ acre inland oil production field.

The project spanned a four-year period of time and involved the removal of more than 45 miles of flowline, LDNR Closure on seven pits, full assessment on 156 former well sites and NORM remediation with LDEQ release for unrestricted use on 25 former well sites, 3 tank battery locations, and one compressor station. Upon completion of the project the entire field was released for unrestricted use.

This project involved extensive landowner/lease holder negotiation, an array of regulatory permitting /compliance and expansive data base management and planning – all of which lead to overall cost savings for our customer.

PMI Environmental Services-helping to preserve the Environment for our children's future.

Environmental Services

Our Environmental Services division was established to meet the ever-changing needs of our customers. We are dedicated to providing customers with the highest quality of work and a “can do attitude” to handle any challenges that may arise. PMI has a complete package of integrated services to provide our customers with the answers to their E&P and NORM waste concerns from permitting to project release.

Our experienced team of professionals is qualified to handle all aspects of remediation and restoration activities, including:

- Tank Battery Decommissions
- Pipeline Remediation and Abandonment
- Waste Minimization
- 29-B Compliance
- NORM Site Assessments
- Soil Remediation (NORM)
- Compliance Orders
- Well Plug and Abandonment
- Project Management

We also house a full-time Project Support Group that provides technical support related to geographic information systems (GIS), coastal and wetland permitting, and preparing Louisiana Department of Environmental Quality (LDEQ) and the Department of Natural Resources (DNR) reports and correspondence.

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Field Surveys & Assessments

- NORM Confirmatory, Informational & Release Surveys
- Environmental Assessments & Sampling
- Land Profiling & Sampling
- Equipment, Barge and Rig Contamination Surveys
- Property Transfer Surveys & Assessments
- Wetland and Underwater Sampling and Surveys

Remediation

- Soil (Upland, Wetland, Marsh or Underwater)
- Pits (29-B & Industrial)
- Water Bottoms
- Site Restoration

Waste Handling & Processing

- Waste Minimization, Separation & Segregation
- Waste Processing, Blending, Grinding, Slurrying, Pumping & Injection
- Encapsulation
- Waste Packaging & Management
- On-site Sludge De-watering & Water Treatment

Cleaning, Decontamination & Decommissioning Crews

- Facility Decommissioning
- Tanks, Vessels & Equipment
- Pipeline Abandonment and Removal

Ra-226 Field Screening

- Waste Analysis & Characterization
- Remediation & Disposal Monitoring

Compliance Order

- Cribbing Removal
- Project Management
- Site Restoration
- Well Plug and Abandonment Activities



Walking the Talk.

PMI's Behavioral Based (BBS) Safety program, S.H.A.R.P. (Superior Hazard And Risk Prevention), is a cornerstone of the employee ownership to our company's safety principles. Our BBS program helps our safety team in identifying safety trends and patterns. PMI's S.H.A.R.P. trends are also a leading indicator for ensuring that we provide our employees with the most updated information to aid in keeping our entire company incident free.

Drilling Cleaning Services

PMI's Drilling Cleaning Services Division consistently reduces downtime in marine fleets for its customers due to the efficiency of our Tank Cleaning Machines. While the typical conventional mud tank cleaning or competitors' automated cleaning systems run multiple days – especially on larger deepwater vessels – our MudHog process typically shrinks the timeline to 24 - 48 hours. In turn, this creates increased efficiency in the logistics and transportation groups of our customers while reducing their operating costs. Other quantifiable savings are realized in the MudHog process through waste reduction during cleaning operations.

Tank Cleaning Machines

Our automated mud tank cleaning system is a highly innovative process for cleaning mud tanks on marine supply vessels or liquid mud systems on drilling rigs.

Some of the many advantages of automated cleaning include:

- reduces port time/downtime
- eliminates extensive man-hours in confined spaces
- greatly reduces amount of wash water
- reduces cost of waste handling and disposal
- reduces safety risks and spill risks

Rig Systems Cleaning

PMI Environmental Services has the experience, expertise and technology to provide our customers with the highest quality of both conventional and automated rig cleaning services.

Our new cleaning technology brings our customers many advantages including:

- lowers rig costs by reducing downtime and expediting demobilization of the rig
- eliminates extensive man-hours in confined spaces
- lowers costs and liability associated with containerization and disposal of wastes
- reduces safety risks and spill risks

Dry Bulk Tank Cleaning

PMI's diverse fleet of mobile air movers provides our customers with a choice in waste containerization and disposal. For those choosing local disposal options for small quantities, a Guzzler NX offers industry leading vacuum technology and filtration along with unmatched sound suppression in recovering a wide range of materials including barite and cement. Or using our Vector VecLoader offers the option to discharge recovered materials directly into a supersack, vacuum box, or other collection devices without augering, dumping, or shoveling.



Leading the way to a safer cleaning industry!

Our safety team takes a proactive approach to keeping our employees safe by conducting frequent field safety assessments and by investigating all "Stop Work Authority," and "Near Miss" occurrences. The ultimate goal of the safety team and all PMI employees is to perform every task the right way every time.





PMI

ENVIRONMENTAL SERVICES

A SUPERIOR ENERGY SERVICES COMPANY

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With locations in Louisiana, Texas and Colorado, PMI Environmental Services provides convenient, cost-effective solutions for all your cleaning and environmental services needs. For more information about our services, contact us today at any of our locations.



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