

the **OUTRIGGER**

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R. Baker & Son Magazine

Service-Disabled Veteran-Owned Small Business (SDVOSB)

R. BAKER & SON

Method of Procedure Maps Refinery Projects

Selective demolition or dismantling at an active refinery or petrochemical plant poses unique challenges. Hazardous materials, health and safety concerns, large and complex structures and equipment, and non-interference with daily plant operations require specific expertise, detailed planning, and precision execution. Through development and implementation of a detailed Method of Procedure, or MOP, R. Baker & Son can provide clients with utmost expertise, professionalism and safety on complex refinery and petrochemical projects.

An MOP is a document that outlines specific details and directives for procedures on a particular project. Much goes into R. Baker & Son's development of a refinery or petrochemical MOP, which incorporates numerous plans – critical lift, engineered rigging, environmental, remediation, safety, etc. – and is precisely aligned to the project schedule. In active refining facilities, which commonly run at high to maximum capacity, it is critical to avoid hindering daily operations and production output. A comprehensive sequence of operation is laid out in the MOP, drilling down to minute details of the individual disciplines involved – electrical, mechanical, instrumentation, controls, pneumatics, communications, etc. On an active pipe rack, for example, careful verification is done to determine which piping must be removed and which is to remain. An MOP will outline, with specificity as to method, equipment, logistics, and project time frame, how the lines will be de-energized, drained, disconnected, and removed, as well as all related safety procedures and concerns.

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Once an MOP has been completed, it is submitted and reviewed with the client and project team so that all participants are thoroughly informed of all details of the sequence of operation and timeframe. Upon mutual approval, projects proceed smoothly and with minimal problems or delays due to scrupulous mapping.



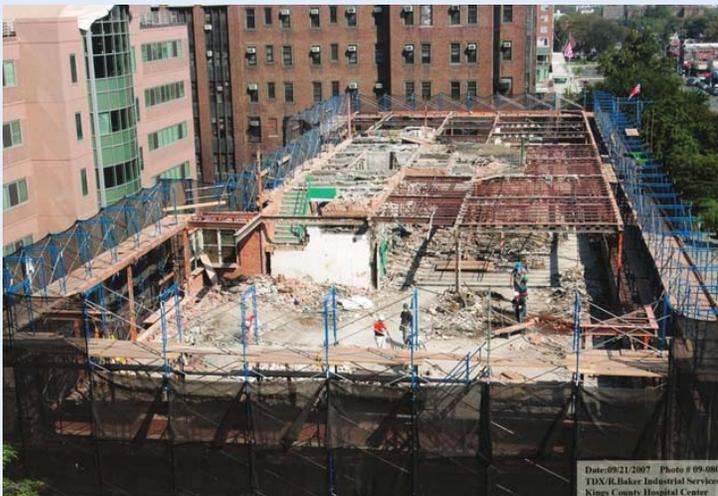
R. Baker & Son has over 75 years of experience in refinery and petrochemical demolition, selective demolition and dismantling. In fact, our logo (below) depicts the rigging of a distillation column. For more information or to learn more about how our comprehensive MOP can ensure success on your project, please call R. Baker & Son at 732-222-3553.



R. Baker & Son: Project Photos

Hospital Demolition Project -

In the photo below, R. Baker & Son performs floor-by-floor demolition of a large New York City hospital in close proximity to surrounding buildings. A strict dust, noise and vibration schedule was implemented to keep everyone fully informed as to what would be happening on a daily basis. Planned demolition included removal of debris through center shafts. *R. Baker & Son the Awarded and Preferred Demolition Contractor for New York City (NYC).*



Date: 09/21/2007 Photo # 09-080
 TDM/R. Baker Industrial Services
 Kings County Hospital Center

Turbine Rigging -

Here, the armature of a large turbine generator is being carefully removed from the turbine's stator core. The plant's existing spanner crane was utilized to execute much of the rigging of the dismantled turbine generator. Many of the components exceeded the crane's weight capacity and required partial dismantlement and critical lift engineered plans. The project was safely completed on time and on budget.



After Sandy: Cleanup of Coastal NJ Waters Mostly Complete

When Superstorm Sandy barreled across the New Jersey coastline, untold tons of debris was washed into the ocean, bays and waterways.

Since then, contractors have been hard at work retrieving wreckage that includes cars, boats, trees, furniture, docks, hot tubs, dumpsters, and hot water heaters from beneath the waves. In shallow areas, such as the hard-hit Barnegat Bay, barges equipped with cranes are used to pluck the debris, located using sonar, from the bottom. In deeper ocean waters, divers must attach rigging to larger pieces of wreckage to be hauled to the surface.

Though a few areas still require some cleanup, and boaters are urged to use caution, progress has been outstanding, with many beaches and waterways open and ready in time for the summer tourist season.



Congratulations to R. Baker & Son's most recent Quality Award winners:

**TJ Indewies
Michael Masucci**

The Award Program has been established to recognize individuals who have contributed to R. Baker & Son's growth and success for their outstanding achievements in safety, project execution and customer satisfaction above and beyond the call of duty.

Vendors Train Contractors On-Site

There are many instructional safety resources – some regulated and some not – available to the U.S. workforce. These include OSHA's 30-hour, 40-hour, and HAZWOPR training, courses, seminars, online manuals, toolbox talks, videos, and more. Some of the most effective safety training is provided by construction and safety equipment vendors and manufacturers.

In the construction industry, many vendors provide comprehensive training programs at their facility, and some offer training at the client's workplace. Certified instructors arrive fully outfitted, often in a large, specially equipped trailer, to demonstrate how to safely operate equipment such as rigging, scissor and forklifts, aerial booms, fall protection, respirators, air-packs, etc. On-site training is not only convenient; there is added benefit for workers who receive instruction in their accustomed workplace. Courses are often provided by vendors for a reduced fee or no charge with equipment purchase, depending on the type of equipment or the training required.