



IT'S RT'S ANNIVERSARY - 25 YEARS OF SERVICE!

This month, RT Environmental Services, Inc. is 25 years old! From the beginning - in October 1988, we have always had as our objective, meeting our clients' needs, by taking the time to understand the scope needed by potential client, and clearly communicating how to move forward, understanding the specifics of each individual project.

Again and again, we have had repetitive assignments from clients; in some years, our work has had as high as 60% repeat business, one of the highest in our industry.

When we have larger, complicated projects, we always bring the right professionals to the table, as having the best professional project mix for each assignment helps to assure success. Our first office was in King of Prussia, PA, followed in the early 1990s, by opening of our New Jersey office, and, in the following decade, an office in Pittsburgh.

We also think that it is important, particularly in the environmental science, engineering and remediation practice areas, that we give back to our clients and the public, by supporting education programs, and being available to speak to groups, be they industrial, commercial, or public. This helps environmental compliance and the day to day actions of companies and citizens to help make the United States a better place to live.

Our clients and potential clients usually learn more about us, by having an understanding of where we perform and what we do, so we are pleased to present information on our top all-time projects, as follows:

1. PENNDOT Excavation Projects - On several major highway construction projects, RT provides our staff, as highways are built in urban, contaminated areas, to assure that excavated materials, are properly managed. Following finalization of the Management of Fill Policy (also known as Clean Fill Guidance Document), in 2004 in Pennsylvania, many contractors as well as PENNDOT adopted Best Management Practice policies, so that impacted and clean fill materials were separated, allowing in-field decision making, and avoiding costly change orders and project delays. At the time that the Clean Fill Policy was passed, RT had been retained by all three major Pennsylvania contractor organizations, including the Pennsylvania Asphalt Paving Association, the Pennsylvania Aggregates and Concrete Association, and the Associated Pennsylvania Constructors. Seminars were held throughout the state, and an industry specific Guide to Best Management Practices for Highway and Earthwork Construction, prepared by RT became widely used by 2005. Gary Brown, RT's President, won an award from the National Utility Contractors Association, and training was provided to all NUCA members regarding the proper management of materials excavated in right of ways. More recently, the work on the major highway projects in Philadelphia and in the Bethlehem area, have included proper and immediate management even a radiation incident, which was unexpected. Materials were properly managed very promptly, agencies were notified, and the highway construction project continued with little interruption to meet tight deadlines, with no significant delay. RT's professionals were invited to speak in Minnesota, and at Northeast Regional Highway Organization seminar. We also worked closely with PADEP Secretary Katie McGinty to produce a workable Clean Fill Policy that has appropriate parallels with Pennsylvania

award winning Act 2 Land Recycling Program.



2. Beaver Valley Slag - Beaver Valley Slag, located in Aliquippa, Pennsylvania, at the site of a former LT Steel Mill, long since demolished, won a Pennsylvania Environmental Council Award, for its major contributions to the environment. Buried steel is reclaimed on an ongoing basis, and substantial volumes of slag are produced, which saves resources and reduces transportation costs for those needing crushed stone materials in the Pittsburgh region. As materials were beneficially used, seepage discharges to the Ohio River declined markedly. General Beneficial Use Permits are being obtained by RT, and the site is going through the Act 2 Land Recycling process. Further evaluation is also being made of ways to recover even more metals at the BVS site. The site is being eyed for redevelopment due to its strategic location directly on the Ohio River; rail access is available to the site, and there is a dock installed directly on the River to facilitate future redevelopment and commerce at the site.
3. Naval Bases in Bermuda - RT completed fast track environmental assessments of both US Naval Bases in Bermuda, after the United States elected to terminate the lease which went back, to the 1930s. The Bermuda location was considered strategic in the 1930s, given the international rumblings of potential war, prior to World War II. On a very fast track basis, RT was selected, despite stiff competition from Canadian and British consultants, and within 24 hours of project award, equipment was being shipped from Port Newark to Bermuda, and a field screening lab was set up on the island. RT investigated more than 100 tanks and several landfills. Key concerns were found at major tanks holding a number of types of aircraft fuel, some of which had been in service, for more than 50 years. RT's work was instrumental in defining the extent of environmental problems in a short 75-day time period at both Naval Bases, and RT Reports served as a basis for negotiations and on eventual settlement of environmental issues at both Naval Bases.
4. Mercury Retirement and Facility Remediation - RT has completed in depth work at a Mercury Reprocessing Facility in Pennsylvania; we have also completed a cleanup of a facility impacted by mercury, involved with glass manufacturing, in New Jersey. The New Jersey site, in Vineland, was remediated to an Unrestricted Use Standard, and RT completed its work after there were concerns that areas of concern at the site were not identified by a prior consultant. Additional issues were four

including mercury releases from a venting system, where pooled mercury was found, and in a parking area which had not been thoroughly investigated. Also, background metals contaminants in groundwater had to be taken into account by the Licensed Site Remediation Professional (LSRP), and comprehensive remediation was completed. The Response Action Outcome Statement for the site was issued in October 2013.

At a Pennsylvania site, considered one of the largest mercury reprocessing facilities in the world, RT has completed permitting work over two decades, so that the latest processes could be added to properly recycle mercury. Now, operations are being converted, so that increased retirement of the world mercury stockpile can take place. The facility uses state of the art retort facilities, where elevated mercury vaporizes the mercury in closed vessels. The retort operations will continue for the foreseeable future, but an amalgam process to be implemented will enhance the ability to safely retire mercury, from an environmental standpoint. The facility is a licensed Hazardous Waste Facility, and conducts operations in a number of state of the art buildings. The US EPA, from where there are cleanups of mine sites in the west involving mercury, ships materials to the site, as the facility is one of the most unique and environmentally safe, in the world, for processing mercury for recycling or for treatment prior to retirement and disposal.

5. Bellmawr Waterfront Development - One of South Jersey's largest Brownfields sites is the Bellmawr Waterfront Development site, which constitutes three former landfills, near the freeway interchange of I-76, New Jersey Route 42 and I-295. Since 2004, when RT began in depth remedial investigation work at the site, the site is being readied for future redevelopment, and materials have been received for soil reuse as the landfill is properly closed. Discharges of leachate to the adjacent Big Timber Creek, on the landfill's south side, have been substantially abated by the remediation work. Major civil projects, which were part of the remedial program for the site, include installation of a cutoff wall, upgradient underdrain, comprehensive new stormwater system made of high density polyethylene, capping, and gas venting followed by revegetation. Already, substantial portions of the site are ready for redevelopment, with final surface capping to take place when redevelopment occurs. Redevelopment is expected to proceed forward, once access is improved for the site, to and from major nearby freeways. A large scale environmental project to account for Green Acres relocation mitigation was also completed in West Deptford, to complement the Bellmawr Waterfront Development project.

In addition to the top five projects above, we are pleased to have two "honorable mention" projects as follows:

Portfolio Project - RT received an assignment to complete environmental work at a portfolio of properties with a major facility involved with truck maintenance, and others involved with truck auto parts distribution. The portfolio of facilities was throughout the United States, as the company was closing operations and making properties available for redevelopment. The portfolio of properties stretched from Chicago, IL to Plymouth Meeting, PA to Charlotte, NC and RT was tasked within a tight time period of 150 days, to complete Phase I Environmental Site Assessment work, immediate Phase II work where needed, and then complete any needed remediation, so that the portfolio of properties could be offered for sale in one package. All environmental issues were addressed at the various sites, and the scheduled deadline to offer the portfolio for sale was met, with an adequate margin of safety.

Manheim, Pennsylvania Asbestos Mill - Redevelopment continues at the former Graymark Industrial Asbestos Mill in Manheim, Pennsylvania. At this site, RT initially was tasked to handle landfill closure activities, but then, after the company went through a second bankruptcy (from which it would not emerge), RT's work was expanded to include evaluation of underground storage tanks, major demolition, asbestos cleanup of buildings, and ultimately, to take the site through the Pennsylvania Act 2 Land Recycling Program to address soil and groundwater issues. Due to the extreme financial needs associated with the

large number of buildings at the site, some of which dated back to the early 20th Century, and which had been not maintained for many years, state grants fulfilled a gap. The state also accepted responsibility for offsite landfill, to stop a full mill abandonment, which had been contemplated by the Bankruptcy Court. Instead, funds which were set aside to address environmental issues from the first bankruptcy, we combined with Pennsylvania Industrial Site Recovery Act Grants to facilitate site-wide redevelopment stages. A highlight of the project was that the long-term plant engineer, Mr. Herm Ramig, kept occupied at the plant ongoing for auto reconditioning and warehousing operations, hoping to convince Bankrupt Trustees that with a reasonable cash flow, there was no reason to "pull the plug" on the plant. With the cooperation of the Commonwealth of Pennsylvania, the Pennsylvania Department of Environmental Protection, and Manheim Area Economic Development Corporation officials, as well as the Phoenix Group, a Washington D.C. redeveloper, the Manheim Plant and a sister Plant in Marshville, North Carolina were both sold and redeveloped with a "turnaround" cost (abandonment to sale for redevelopment), being more than \$1 million. The availability of Pennsylvania's Award Winning Act 2 Land Recycling Program rescued the site from what would have otherwise been an unwelcome abandonment of many derelict buildings, with much hope for the future lost. RT completed environmental work at the site on this major project for more than a decade, and continues to follow up with inspections of capped areas to meet state requirements.

The RT team is strongly committed to successfully implement each and every project. We appreciate serving our clients who keep giving us opportunities to be of service, again and again. To our many thousands of clients, colleagues, and regulatory professionals who we have worked with on projects since 1988, we say ***THANK YOU!***



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