Most of our recent clients know us from our major dam and water resources projects, but I would like to take this opportunity to introduce you to the nuclear industry side of our company. Our work in support of US commercial nuclear and defense related projects through the industry lull of the late 1980s and into the 1990s has positioned us ahead of our competition and ready for the current resurgence in nuclear development around the world.

Nuclear power plants are primarily used for electricity production. Without nuclear power the world would emit roughly 33% more CO2. Currently there are 439 reactors operating in 30 countries, and they contribute approximately 14% to global electricity generation.

The prospects for future use of nuclear power are increasing. Global energy requirements and the share of electricity in total energy consumption are increasing rapidly, and the contribution of nuclear power is projected to increase significantly. Of the 30 countries currently using nuclear power for electricity generation, 24 intend to build new plants. Also, several countries are exploring the opportunity to introduce nuclear power into their grid.

This requirement for increased energy generation capacity has led to the nuclear power resurgence and we are ready!

We are already working on new commercial nuclear plants around the USA and in South Africa, the Middle East, Eastern Europe, Russia, China, and the United Kingdom. In addition, we are looking at projects in Western Europe, India and Jordan.

We are strongly encouraged by the prospects in this industry and believe that the future holds a great deal of business for RIZZO.

Very truly yours,
Paul Rizzo

Founded in 1984, RIZZO has been heavily involved in the nuclear industry since the company’s inception. The company started with six engineers who had a wealth of previous experience in the engineering and consulting fields for nuclear development; three of those six engineers are still employed with us, and routinely utilize their decades of experience to contribute to the firm’s expertise.

Over the past 25 years, the company has grown to employ over 250 engineers, scientists, and technicians, while consistently being involved in the nuclear field. With the nuclear industry making a strong resurgence, RIZZO is more primed than ever to assist in the nuclear market’s growth.

Throughout the mid-1980s and into the early 1990s, we began working for clients such as the US Navy; one of the first organizations to develop nuclear power, they have operated more nuclear reactors than any other entity with no publicly known major incidents. Our client list quickly grew to include the US Department of Energy (DOE), the Defense Nuclear Facilities Safety Board (DNFSB), and several utilities including Westinghouse Electric, AREVA, MHI, Toshiba, and PBMR. Our scope of work has shifted with the market throughout the years, and we still maintain strong working relationships with all of these clients.

(continued on page 2)
By the early 1990s our company focused on nuclear related work such as equipment qualification (seismic), seismic design, foundation design, fragility investigations, and siting work. We have extensive experience with Westinghouse’s AP600 and AP1000, AREVA’s EPR, MHI’s APWR, Toshiba’s ABWR, and PBMR, and have worked at the Expended Core Facility, land-based nuclear subs, and training facilities for the US Navy.

Installed nuclear capacity initially rose relatively quickly, from less than 1 gigawatt (GW) in 1960 to 100GW in the late 1970s, and 300GW in the late 1980s. The decline then began when more than two-thirds of all nuclear plants ordered after the 1970s were eventually cancelled. Worldwide capacity became stagnant, with nuclear capacity only reaching 366GW in 2005.

According to the International Atomic Energy Agency (IAEA), several factors that led to this downturn included:

- Rising economic costs related to extended construction times largely due to regulatory changes, pressure-group litigation, and falling fossil fuel prices made nuclear power plants then under construction less attractive.
- A general movement against nuclear power arose during the last third of the 20th century, based on the fear of another possible nuclear accident, fears and perceptions of radiation by the public, nuclear proliferation, and the opposition to nuclear waste production, transport and lack of final storage plans.
- Perceived risks on the citizens’ health and safety, the 1979 accident at Three Mile Island and the 1986 Chernobyl disaster also played a part in stopping new plant construction in many countries.

Since approximately 2005, however, nuclear energy has seen a resurgence of world-wide popularity. Rising oil prices, a poor economy, a greater need for energy in an ever-expanding market, and a greater awareness of environmental issues has led to an increase in new plant production. According to the World Nuclear Association, it is predicted that by the year 2015 one nuclear reactor could start up every five days.

RIZZO’s ability to maintain a core staff with nuclear expertise has led to an active practice solving today’s nuclear facility upgrade requirements and expansion of international nuclear programs. Our years of hands-on experience have led to several new jobs over the past few years, most notably for siting and environmental assessments of new nuclear plants in the US, the Middle East, and Europe. Our efforts have expanded to include site investigations, environmental reports, probabilistic seismic hazard analyses, ground motion studies, and fragility evaluations, as our work continues with both long-standing and new clients.

For more information on our nuclear capabilities, please contact Dr. Nishikant Vaidya at nish.vaidya@rizzoassoc.com.
2009 SUMMER INTERNS

RIZZO welcomed 13 students to spend their summer as interns at our Corporate Headquarters office in Monroeville, Pennsylvania, as well as two interns at our Taum Sauk project site, and one intern at our Western Regional office in Oakland, California. The interns are working directly under some of our senior-level engineers to gain valuable hands-on experience.

Jiameng Jin: Joe States — Carnegie Mellon University
Ed Lynch: Seton Hill University
Mandi Miller: Slippery Rock University
Iheb Triki: University of California Berkeley
Ian King: University of Illinois Urbana-Champaign
Todd Witt: University of Missouri
Tim Deible: Eva Dubinsky: Adam Helffrich: Kyle Kaminsky: Brian Lucarelli: University of Pittsburgh
Obi Egbue: University of South Carolina

Working for RIZZO is like being part of a family of knowledgeable engineers who are always ready to help you learn more and be the best that you can.

~ Iheb Triki

For more information on Internship Opportunities at RIZZO, please contact Jessica Stouffer at jessica.stouffer@rizzoassoc.com or (412) 856-9700 ext. 1081.

THE NEXT GENERATION

On April 23rd, RIZZO hosted “Take Your Child to Work Day”. Seventeen of our employees’ children came to our Monroeville, PA office to experience a day in the life at an engineering firm. Activities included an Engineering Overview, an IT demonstration involving the ‘guts’ of a computer, Accounting BINGO, a CAD demonstration, Resume Writing with HR, Cover Letters with Admin, an insight into Geology, creating a company brochure with Marketing, and the crowd favorite, creating then flooding dams made of sand and rock. We’d like to extend our thanks once again to all the employees who made this day a huge success!

I told them that because of the complexity of the issues we engineer solutions for in a global market, having this multiplicity represented in every department assures that we present our clients an enriched corporate environment integrating the most diverse cultural backgrounds with their professional expertise.

When I asked my children what they thought of this program, they said they were overwhelmed by the multiple complex technical aspects of the services we provide — (well, they actually said that “we did a lot of things”), but they were impressed by the plurality of nationalities or “accents” that were as diverse as the activities we performed.

It was an important lesson for young, aspiring minds to learn!

~ Rolando José Benítez Márquez, Senior Project Geoscientist (Monroeville)

UPCOMING EVENTS

Come discuss your engineering needs with us! Look for RIZZO’s Exhibitor Booths at the following conferences throughout 2009:

JULY 27 - 30: Spokane, WA
Waterpower XVI — Booth #5004

AUGUST 9 - 12: Savannah, GA
Georgia Association of Water Professionals

AUGUST 9 - 14: Helsinki, Finland
SMiRT 20 Conference

SEPTEMBER 14 - 18: Arequipa, Peru
Perumin/Extemin 2009

SEPTEMBER 16 - 17: St. Louis, MO
RCC 2009 — Short Course & Taum Sauk Tour

SEPTEMBER 22 - 25: Lake Tahoe, NV
AEG Annual Conference — Booth #12

SEPTEMBER 27 - 29: Hollywood, FL
ASDSO Dam Safety — Booth #415

SEPTEMBER 30 - OCTOBER 2: Santiago, Chile
EnviroMine 2009

OCTOBER 3 - 8: Whistler, British Columbia
CDA Annual Conference — Booth #9

OCTOBER 25 - 27: Orlando, FL
CMAA Annual Conference — Booth #202
FALL NEWSLETTER: A PREVIEW

Paul C. Rizzo Associates, Inc. (RIZZO) is known for its heavy involvement in the dams, hydro, and nuclear industries, but not as often for its work in the tunneling and mining industries. As our backlog continues to expand to include more work in these areas, we’d like to highlight our involvement and outline our scope of services for tunnels and mines.

Our work in these sectors is based out of our Western Regional branch office (Oakland, CA), our South American branches (Argentina, Chile and Peru), and our Corporate Headquarters (Monroeville, PA).

Our Fall 2009 Newsletter will feature project spotlights showcasing our tunneling and mining work in North and South America.

For more information regarding our Tunneling and Mining industry capabilities please contact Mario Scaletta at mario.scaletta@rizzoassoc.com.

### Course Description
- A one-day short course on RCC dam design and construction
- Presentations by internationally acknowledged RCC dam experts
- A day-long tour of the Taum Sauk Upper Reservoir Rebuild project

### Who Should Attend
Consulting engineers, contractors, equipment manufacturers, testing laboratories, dam owners, government agencies — anyone interested in learning more about recent applications for RCC and the advances in design and construction!

The information presented will be technical in nature and will stimulate the mind of even the experienced engineer or contractor.

### Registration & Lodging
- Early registration by September 1st - US$175
- Registration after September 1st - US$200
- Special room rate for attendees at Harrah’s St. Louis Casino and Hotel

To register please contact Ken Hansen or Jill Reed.

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For additional information about the conference please contact Ken Hansen at +1 (303) 695-6500 or ken@ken-hansen.com or Jill Reed at +1 (412) 856-9700 x1053 or jill.reed@rizzoassoc.com.

RIZZO is currently hiring! Open positions include:

- **Geotechnical Engineer (CA)** — 20 years experience is required in the area of flood control levee design, stability and safety evaluation following the Federal Emergency Management, dam experience in California; must be a Registered Geotechnical Engineer in the state of CA.

- **GIS Analyst (PA)** — Responsibilities would include the collection, compilation, and analysis of Geographical Information Systems (GIS). Experience with ArcGIS Desktop 9.x required and should have knowledge of the ESRI geodatabase data format as well as the ArcGIS 3D Analyst and Spatial Analyst extensions. BA/BS degree in Geology or related field required. Successful candidate must be able to fill in as a Geologist if necessary.

Please send resumes to resumes@rizzoassoc.com, or contact Jessica Stouffer at jessica.stouffer@rizzoassoc.com.

Questions or Comments?
Please contact Jill Reed, Business Development Manager, at jill.reed@rizzoassoc.com or (412) 856-9700 ext. 1053.

If you would like to subscribe to an electronic version of our newsletter, please email your request to Gita Matson at gita.matson@rizzoassoc.com.