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# Hudson/Delaware Chapter of SETAC



## Editor's Pen



Jon Doi, *Communications Director, Aqua Survey, Inc.*

[doi@aquasurvey.com](mailto:doi@aquasurvey.com)

It has been another interesting half-year for the HDC organization and myself. The most sobering news is of course the tragic events on Sep. 11, 2001. Both Lisa Baron (our Chapter President) and I attended an all-day meeting that day in lower Manhattan that was originally scheduled and has always been held in Bldg. 1 of the World Trade Center. It was changed this time to the Con Edison building as they were gracious enough to host the meeting dealing with activities on the Hudson River. I was on the roof and saw Bldg. 1 fall from the skyline, slowly.....almost surreal-like. It is a haunting image that I will never forget.

On more mundane but welcomed news, the Hudson/Delaware Chapter has recently received its formal non-profit status. New faces on the Board are working well with us old-timers, and the Board continually renews itself with fresh ideas and the exuberance of youth. We ask those of you who are interested to consider running for the HDC Board of Directors and to submit

articles of interest (any subject matter) to me for incorporation into your newsletter.

The Chapter is moving forward into the 21<sup>st</sup> Century, as we will make better use of our website ([www.hdcsetac.org](http://www.hdcsetac.org)) for dissemination of breaking news, viewing meeting programs, some sort of membership clearinghouse for jobs, registering for meetings and yes, even the ability to use credit cards to pay for meeting registration and annual dues. We will keep you informed as these features become available.

### IN THIS ISSUE

	<u>Page</u>
Editor's Pen .....	1
President's Corner.....	2
Upcoming Meetings.....	3
Past Meetings.....	6
2002 Students Research Awards Prog. ....	7
Regulatory Updates.....	8
2002 Corporate Sponsorship Program ....	10
What's Going On in Our Region?.....	11
New HDC Membership Policy .....	14
On the Move .....	15
2002 Corporate Sponsors .....	16

## President's Corner

*Lisa Baron, HDC President  
Office of Maritime Resources,  
NJ Department of Transportation*



This has been a very memorable year for me as President of the HDC Chapter. Our 2001 Workshop on "Comprehensive Restoration of Aquatic Environments" was held and \$6,000 was raised for the Port of NY/NJ Community Fund to help the victims of the September 11<sup>th</sup> tragedy. Thank you all for your participation and donation to the worthy event (see page 6).

The 18<sup>th</sup> Annual Chapter Meeting is rapidly approaching on April 25 and 26, 2002 at the New Jersey Meadowlands Commission (NJMC) Environmental

### Hudson Delaware Chapter

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## On the Move...



**Dr. Anthony Paulson** For the past five years, Dr. Anthony Paulson has served as Branch Chief and Sr. Marine Chemist, with the James J. Howard Lab of NOAA-Fisheries at Sandy Hook, NJ. Under his direction, the Branch began using the analytical tools of marine chemistry to assist the National Marine Fisheries Services in regulating living marine resources under its jurisdiction. These tools include studying the biogeochemistry of sediments to evaluate the quality of marine habitats, analysis of microelemental composition (parts per trillion) of otoliths (fish earbones) to identify fisheries stock, and using the persistent organic contaminants accumulated by various fish in their nursery environment to identify the specific habitats critical to assuring a sustainable offshore stock. His own research included the transport of dissolved and particulate elements in Raritan and Lower New York Bays.

On May 20, 2000, Tony will transfer to the Washington State district office of the Water Resources Division of the U.S. Geological Survey in Tacoma WA, where he will assume the role of Chief of the Environmental Hydrology and Geochemistry Section. The environmental projects he is likely to oversee in Washington State will be varied both in the breadth of environmental issues investigated, as well as the variety of study sites. As with his Branch duties at NOAA-Fisheries, the themes of the projects that Dr. Paulson will be coordinate will encompass persistent organic contamination, metal mobility, nutrient enrichment, and eutrophication. The venues of the water sources investigated will range from contaminated groundwater, to rivers and lakes, and to the marine waters of Puget Sound and the Columbia River Estuary. Having spent 17 years in Washington State before coming to New Jersey in 1997, he hopes to find that his many collaborators on previous projects are still employed in local, regional, state and federal governments. After May 20, Tony can be reached at (253) 428-3600, or by mail at Washington State District Office, U.S. Geological Survey, 1201 Pacific Avenue, Suite 600, Tacoma, WA 98402.



**Mr. David Morgan** Mr. David Morgan, a marine engineer, has joined the ranks of Aqua Survey, Inc. Dave was on long-term assignment, from Belgium, to work as project manager for the Korel Lagoon Ecological Restoration Project in Ghana, Africa.

Dave brings with him years of experience in designing, construction oversight and project management of specialty dredging vessels and equipment. Dave jointly holds several International Patents for eco-dredging equipment. His hands-on understanding of eco-dredging was gained through work experience in a dozen countries. He will be available to guide Aqua Survey's clients through the maze of options that confront them at sites with contaminated sediments. Over the past five years, Aqua Survey has worked with Dave on several eco-dredging projects, both here and abroad. ASI is pleased to have Dave and his family calling the U.S.A. home and to have him on staff. Dave Morgan can be contacted at [Morgan@aquasurvey.com](mailto:Morgan@aquasurvey.com).

# New HDC Membership Policy

*By Larry Lyons, EnviroQuest*

A new membership policy is being enacted for this year for the Hudson/Delaware Chapter of SETAC. An annual membership fee of \$15 (\$10 for students) is being administered to aid in offsetting various operating expenses that are devoted to communicating the activities of our chapter to our members via program brochures, website and internet announcements, and our biannual newsletters. In order to make this process as easy as possible to our members, there are several ways in which you can select to pay the application/renewal dues.

For our regional chapter members who are also members of the Global SETAC organization, you can pay your annual Chapter dues when you pay for your annual dues to the Global SETAC organization. For those regional chapter members or non-members who are not Global SETAC members, you can maintain your membership by sending the application or renewal provided below, or simply by downloading a membership application form from our website ([www.hdcsetac.org](http://www.hdcsetac.org)) and sending the dues via check.

Once you have paid your membership dues, you will then only need to pay the lower membership registration fee, when attending either our annual Spring conference or our Fall workshop. (Note: If you are a non-member and attend one of the chapter's functions during the year, by paying the non-member registration fee, this will activate your membership for the remainder of the year.)

If you have any questions, please feel free to contact Larry Lyons, HDC Treasurer, by e-mail ([lalyons@EQsolutions.com](mailto:lalyons@EQsolutions.com)), or phone (856-384-1621), fax (856-384-1367), or mail (HDC-SETAC, P.O. Box 506, Thorofare, NJ 08086).

## 2002 Membership Application/Renewal for Hudson/Delaware Chapter

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Regular Member (\$15.00)       Student Member (\$10.00)

*Make checks payable to: Hudson/Delaware Chapter of SETAC*

Center in Lyndhurst, NJ. This may be our best meeting yet, thanks to meeting Chairs, the dedicated program committee and our co-sponsor, the Meadowlands Environmental Research Institute. Check out Annual Meeting Program or our website for registration information and the details on the exciting short courses, activities and speakers. If you have any questions concerning the meeting, please contact Meeting Chairs, Betty Jane Boros-Russo (609-777-4092, [bboros@dep.state.nj.us](mailto:bboros@dep.state.nj.us)) or Chris Nally at (610-434-9015, [cybercerio@aol.com](mailto:cybercerio@aol.com)). Unfortunately, I will not be able to attend the meeting this year; I will be busy in the hospital delivering my baby that week. I'll miss seeing everyone!

I will, hopefully, see many of you at our 2002 Fall Workshop, which will be held sometime in September, at Edison State College, in Trenton, NJ. The hot topic this year is Total Maximum Daily Loads or TMDL's. See Page 4 for more details.

In April, there will be many changes to the Board of Directors. Our new President, Chuck Shorten, and Vice President, Betty Jane Boros-Russo, will take over the reigns. Scott Douglas will become the new Secretary, and we will be accepting nominations for two new Board members. We will also bid farewell to two of our Board Members. Anthony Paulson, from NOAA/National Marine Fisheries Service, will be moving to the USGS in Tacoma, WA, and Nancy Wolfe is hard at work on her Ph.D. in Ecology at Fordham Uni-

versity. We thank both of you for your hard work and will miss you both!

As my Presidency comes to an end, I am confident the Chapter will continue to grow and remain dedicated to providing excellent meetings as well as mentoring our future environmental colleagues through scholarships and student awards. It has been a privilege and honor leading this organization of committed environmental professionals and I would like to extend my appreciation to all members for giving me this opportunity.

## Upcoming Meetings

### 2002 Annual Chapter Meeting



*By Betty Jane Boros-Russo,  
NJ Department of  
Environmental  
Protection*

Our 2002 Annual Chapter Meeting is quickly approaching. This year's meeting will be held at the New Jersey Meadowlands Commission Environment Center, in Lyndhurst, NJ, on April 25 and 26. This meeting will be the first co-sponsored by the Meadowlands Environmental Research Institute (MERI) and the New Jersey



Meadowlands Commission (NJMC). The center is perched over the Kingsland Creek Marsh in the Hackensack River Estuary. The facilities offer a unique blend of indoor and outdoor facilities, allowing a wide variety of short courses to choose from, including: Aquatic Toxicology, Introduction to Analytical Instrumentation for Environmental Analysis, Marsh Ecology, GIS, Ecological Risk Assessment, Environmental Dredging and Contaminated Sediment Sampling. Our activities will include a canoe trip on the Mill Creek, a Pontoon Boat Cruise, a Wetlands Restoration Site Tour, as well as our traditional Friday morning bird walk. Local naturalist, John Quinn, author of "Fields of Sun and Grass: An Artist's Journal of the New Jersey Meadowlands" (Rutgers Univ. Press, 1997) will be Thursday's evening presentation. Friday's platform presentations will include local scientists, Joanna Burger and Michael Gochfeld, who will speak on "Lead, Behavioral Development and Survival of Herring Gulls in the Wild"; Timothy Iannuzzi, who will speak on "The Assessment of Damages From Chemical Releases," and a Keynote by Jean Marie Harman, who will discuss her research on advancing the emerging science of ecological restoration. The meeting will include a Thursday evening social, as well as our first annual job fair. The HDC-SETAC Board welcomes seasoned HDC members and newcomers. We hope to see all of you there.

Meeting chairs: Betty Jane Boros-Russo, Chris Nally (HDC) and Kirk Barrett (MERI).

## 2002 Fall Workshop on TMDLs

By Jeffrey Ashley,  
*The Academy of Natural Sciences*

This fall, HDC-SETAC will be hosting another informative workshop directed towards managers, scientists, policymakers, consultants, and media persons interested in issues pertaining to "Total Maximum Daily Loads (TMDLs)." Simply stated, a TMDL is the amount of a particular pollutant a water-body can withstand while still supporting aquatic life and maintaining its integrity for drinking and recreation.



Hotly debated by many in the regulatory and political realms, the development and implementation of TMDLs arise from sound scientific thought and reasoning. This September workshop will gather experts from the Chapter's region to present these scientifically-based TMDL issues, such as the development of effective loads, the process of implementing them, and the difficulties and pitfalls sometimes faced in the TMDL process. The workshop will conclude with two case studies highlighting current regional projects that are currently or have already established effective TMDLs. Speakers will come from the regulatory, academic, industrial and consulting communities. Additional details about this workshop will be posted on the HDC website

quality criteria (WQC). For example, a site-specific WQC for copper was recently developed in south San Francisco Bay. The south bay is influenced by the flows of several rivers in the vicinity of San Jose. Measurements of water chemistry along a transect, starting at Yerba Buena Island, near the Golden Gate Bridge and extending south towards San Jose (Figure 1) show the spatial patterns resulting from these freshwater inputs. Salinity is highest in the vicinity of the Golden Gate Bridge (near mile point 0) and decreases at the southern end of the bay, due to the freshwater river and POTW inputs. Dissolved organic carbon has the opposite pattern, since those freshwater sources at the south end of the bay are rich in DOC. As a result of these spatial patterns in water chemistry, the toxicity and bioavailability of copper also exhibit spatial patterns. A copper water effect ratio (WER) was determined for the south bay by conducting a series of bioassays using *Mytilus edulis*. A WER can be used as a multiplier with the national ambient WQC to calculate a site-specific WQC. In essence, if a WER of 2 is evaluated for a particular site, the site-specific WQC for this waterbody would be twice the national ambient WQC. Measured WERs in the south bay, plotted as squares on the bottom panel of Figure 1, range from between 2 to 4, with the highest values at the southern end of this transect. These elevated WERs result from the influence of DOC on copper bioavailability and toxicity.

The BLM can be used to predict WERs for the south bay, using only information on the chemistry of these waters, such as measurements of DOC, pH, etc. The BLM predicted WERs are plotted on the bottom panel of Figure 1. The range in model predictions due to variations in water chemistry are shown as shaded bands and the mean predicted WER is shown as the solid line. Water effect ratios calculated with the BLM agree very well with measured values (data at 4 sites). However, the BLM predictions can easily be extended throughout the rest of the bay on the basis of historical data, thereby highlighting the advantage of the BLM over use of traditional methods for evaluating site-specific WQC. The BLM could be used for pre-screening analyses at a site, with confirmatory bioassay testing performed as appropriate.

The BLM was recently submitted for a review by the EPA Science Advisory Board. EPA is considering the use of the BLM in the most recent update for the ambient water quality criteria for copper. Current efforts also include BLM applications to silver, cadmium, zinc, lead and nickel. Plans are also underway for developing a similar program for aluminum. For additional information on HydroQual's professional services, using the Biotic Ligand Model, please contact K. Benjamin Wu ([kwu@hydroqual.com](mailto:kwu@hydroqual.com)), at our corporate headquarters, at (201) 529-5151 or Robert C. Santore ([rsantore@hydroqual.com](mailto:rsantore@hydroqual.com)), at our Syracuse, NY office at (315) 484-6220.

## 31 Years of Earth Day!

By Betty Jane Boros-Russo,  
NJ Department of  
Environmental Protection

Thirty-one years ago an inspiring national movement to protect the environment began. Since America's first official Earth Day on April 22, 1970, people from around the world have celebrated Earth Day in national and global proportions.



Earth Day, celebrated by schools, businesses, families and individuals, in parks, nature centers, on beaches and in cities, is filled with beach clean-ups, litter marches and numerous presentations on environmental awareness and protection. As Earth Day quickly approaches, those of us involved in the field of environmental science, toxicology and chemistry must remind ourselves why we entered this still growing field. So, peak the curiosity and awareness of a young mind on how we must protect our earth. Those minds will become better informed, and lives will become more directed towards continued learning about and renewed participation in, environmental protection. After all, where would we be without "Mother Earth"?

## Use of the Biotic Ligand Model to Evaluate a Water Effect Ratio for Site-Specific WQC

By K. Benjamin Wu, Robert C. Santore, and R. Mathew, HydroQual, Inc.

It has long been recognized that metal toxicity is related to ambient water chemistry and speciation. For example, the toxicity of copper has been shown to decrease with increases in pH, hardness, alkalinity, or dissolved organic carbon (DOC) concentrations. However, the current water quality criteria for copper only allows for adjustment, due to hardness concentrations. Determination of site-specific criteria can be performed to account for local effects of ambient water chemistry on metal toxicity, but to do so requires costly and time consuming bioassays. Recently, there has been interest in the modification of metals criteria to include consideration of metal bioavailability and the effects of ambient water chemistry. A numerical approach, called the Biotic Ligand Model (BLM) that explicitly considers ambient water chemistry and organism interactions, is under development as a way to determine metal bioavailability.

The BLM has been used to look at site-specific factors of several metals in freshwater and marine environments, including copper and silver. The use of the BLM has several important advantages over other means of developing site-specific water

([www.hdcsetac.org](http://www.hdcsetac.org)), when available.

For more information regarding planned speakers or if you wish to make suggestions for this upcoming event, please contact Anthony Paulson ([Anthony.Paulson@noaa.gov](mailto:Anthony.Paulson@noaa.gov)) or Jeffrey Ashley ([ashley@acnatsci.org](mailto:ashley@acnatsci.org)).

## How Can SETAC Members Recruit the Next Generation of Environmental Scientists, Policy Makers and Activists?

Session at National SETAC Mtg.



By Jeffrey Ashley,  
The Academy of Natural Sciences

Students of all ages are generally excited about their environment - it's always fun to get down and dirty in the muck. But how do we, as SETAC members, get them to seek out and develop an appreciation for the complex nature of many environmental issues? This involves exciting the more 'social science' oriented students about subjects such as chemistry, toxicology or physiology and intriguing the more 'natural and physical science' oriented students about subjects such as history, policy and law. Within SETAC, there are many members who are developing and using exciting and innovative educational techniques to tackle this issue by coupling traditional laboratory- and

classroom-based teaching techniques with novel approaches centered on practical, hands-on, off-campus experiences. We have heard from some of these members at 'EnviroEd' sessions held during past national SETAC meetings. At this year's meeting in Salt Lake City, we have proposed to have a broad-based 'education' platform session scheduled as part of the regular platform schedule. Our goal is to provide an opportunity for all SETAC members interested in education (at any level) to come, learn and share ideas about how to excite the next generation of environmental scientists, managers and policy makers. This platform session would provide an opportunity for educators of all sectors, including academics, government organizations, industries, NGOs and others to share their novel approaches to teaching students and communities about the complexities of today's environmental issues. These may include, but of course are not limited to: incorporating a 'service-learning' component to an existing environmental science course, whereby students directly interact with environmental managers and scientists, enhancing the sense of environmental stewardship by using real-time monitoring data to examine local environmental problems with an emphasis on problem solving/abatement, and establishing hands-on, environmentally-based community projects. Please watch for this session and join us!

For more information, please contact Jeff Ashley ([ashley@acnatsci.org](mailto:ashley@acnatsci.org)) or Emily Monosson ([emonosson@forwild.umass.edu](mailto:emonosson@forwild.umass.edu)).

## Past Meetings

### 2001 Fall Workshop: Comprehensive Restoration of Aquatic Environments



By Lisa Baron,  
NJDOT Office  
of Maritime  
Resources

The HDC successfully held a very memorable Fall Workshop on September 21, 2001. One hundred ten professionals attended the workshop on "Comprehensive Restoration of Aquatic Environments." chaired by Lisa Baron. The workshop evolved into a fund-raiser for the victims of the September 11<sup>th</sup> tragedy and raised over \$6,000, which was donated to the Port of NY/NJ Port Community Fund. These funds will go to the families of the Port Authority of NY/NJ, the port labor organizations, and maritime companies doing business in the port district.

We wish to thank our speakers:

- ◆ Richard Gimello, Office of Maritime Resources/NJDOT
- ◆ Susan G. Metzger, Ph.D. and John H. Roebig, Ph.D., Lawler Matusky and Skelly Engineers LLP
- ◆ Nancy Hamill and Barbara Dietz, NJDEP

- ◆ Leonard Houston, US Army Corps of Engineers
- ◆ Eric Stern, EPA Region 2
- ◆ Jonathan Deason, Ph.D., P.E., George Washington University
- ◆ Marc Matsil, City of New York Parks and Recreation
- ◆ Ella Filippone, Passaic River Coalition
- ◆ Carol Ann Davis, EPA Region 3

It took a lot of strength for our speakers, several of which were at Ground Zero on September 11, to participate in our event. We also thank the attendees for their participation in this worthy cause. A copy of the workshop proceedings and presentations on habitat assessment, natural resource damage restoration, ecological risk remedial goals, restoration activities and monitoring, decontamination technologies, and Total Maximum Daily Loads are posted on our website - [www.hdcsetac.org](http://www.hdcsetac.org).



## What's going on in our Region??

### Drought Threatens Hudson Delaware Region



By Chris Nally,  
American  
Aquatic Testing,  
Inc.

All states that the HDC - SETAC members call home, are now under drought warnings or drought emergencies, declared by New Jersey, New York and Pennsylvania, as well as other agencies, such as the Delaware River Basin Commission (DRBC).

The state of New Jersey declared a drought warning on November 21, 2001 for the areas of the state within the Delaware Basin, mainly those counties that flank the Delaware River. New Jersey Governor, James McGreevey, changed this warning to a statewide drought emergency on Monday, March 4, 2002. Signing this executive order empowers New Jersey state environmental officials to impose water restrictions.

On December 5, 2001, the Commonwealth of Pennsylvania declared a drought warning for all counties within the basin, except for Luzerne and Lackawanna, which are under drought watch.

The DRBC declared an emergency on December 18, 2001 for the entire 13,539 square mile watershed. This emergency order allows the Commission to call for releases from federal, state and privately owned reservoirs to bolster flows in the Delaware River and its tributaries.

The Delaware River Watershed is the largest and most important in the New Jersey, Eastern Pennsylvania, and Southeastern New York region. Rainfall is roughly 10 inches below normal for this time of year, in the upper basin. The last five months have been very dry in the central portion of the watershed, particularly in the Philadelphia area, central and southern New Jersey, and in extreme northern Delaware.

With warnings and emergencies now declared for the region, the state governments have begun calling for voluntary conservation of water use. Reductions in non-essential water use lowers demand and will allow for better, quicker recovery of ground and surface water systems during the late winter and spring.



*If drought continues...*

## 2002 Corporate Sponsorship Program

By Larry Lyons, HDC Treasurer, EnviroQuest

A “round of applause” is in order for our “2002 Corporate Sponsors.”



The continued success and growth of our chapter is made possible by the generous support of our

“Corporate Sponsors.” The funding allows our chapter to provide quality conferences and workshops at a reduced cost to our members, aids in paying

for many behind-the-scene operating expenses, and permits us to offer an attractive student award program for undergraduate and graduate students. This year we are also planning to sponsor an award at the Delaware Valley Science Fair, a regional science fair for high school students.

*A list of our Corporate Sponsors can be found on the back cover of this newsletter.* Please check it out!

If you would like to join this distinguished list of “Corporate Sponsors,” please feel free to contact me at 856-384-1621 or by e-mail ([lalyons@EQsolutions.com](mailto:lalyons@EQsolutions.com)). You can choose to be a full corporate sponsor with a contribution of \$500 or an associate corporate sponsor with a contribution of \$250.

## 2002 Students Research Awards Program

By Chuck Shorten, West Chester University



The HDC has had a good year financially, largely because of the generosity of our corporate sponsors and high attendance rates at meetings and workshops. This translates to good news for students because the money generated can be used to foster student scholarships in the form of research awards. This is one of the main ways we hope to promote membership in the society and the profession as a whole. This year we will be offering up to \$1,850 in award money to the best manuscript and poster presenters. For the first time, last year we instituted a special undergraduate category in the competition. I am happy to report that this year we are continuing that category.

Past winners of the student awards have come from many fine institutions in the HDC area, including New York University, Rutgers University, Bucknell University, West Chester University, University of Delaware, the University of Mary-

land, Pennsylvania State University and Seton Hall University. Last year’s poster session featured over 25 student posters, highlighting many different areas of environmental research. This year’s session promises to be one of the best, and in recognition of this we have expanded the poster viewing time by adding a Thursday afternoon/evening poster social before the dinner, 4:30 – 6:15 pm. Because many students will be unable to attend both days, there will be a second poster viewing session from 10:45 am – 1 pm on Friday. The meeting will close on a high note with the award presentation, approximately 3:30 pm on Friday.



Posters should be prepared, using the same guidelines used for SETAC National meetings. In brief, posters can be a maximum of 1.22 m (4’) by 2.44 m (8’), although slightly smaller is usually better accommodated on our poster boards. Posters should be readable from a distance of 2 m; this mandates a minimum



font size of 18-24 point and a minimum title font of 72 point. Our boards are plastic-backed and we generally use pins rather than Velcro to mount the posters; pins will be provided. A good article about poster sessions is available online at: [www.siam.org/siamnews/general/poster.htm](http://www.siam.org/siamnews/general/poster.htm).

To apply for the award, students must submit the following:

- ◆ A letter of application from the student.
- ◆ For those competing for the Grand Prize Award (manuscript and poster), four copies of the full manuscript postmarked by April 1, 2002. For all awards, a 250 word abstract is due by April 1, 2002.
- ◆ The student's campus and permanent address, phone number and email address.
- ◆ The major advisor's name, address, phone number, and email address.
- ◆ The student's current enrollment (institution, department degree program, and expected date of completion)
- ◆ A statement from the major advisor identifying the research presented as predominantly that of the student

Submit the required items to Paul Paquin, HydroQual, Inc., One Lethbridge Plaza, Mahwah, NJ 07430. Phone: 201- 529-5151, ext. 7144, Fax: 201- 529-5728, Email: [ppaquin@hydroqual.com](mailto:ppaquin@hydroqual.com).

## Regulatory Updates

### *News from the State of New Jersey*



*By Scott Douglas, NJDOT Office of Maritime Resources*

2002 is going to be a very busy year for mud slinging in the Port of NY and NJ, as well as for paper slinging in the Office of Maritime Resources. We are gearing up for a very busy dredging year, with new projects in the Arthur Kill and Port Jersey Channel scheduled to begin mid-summer. The Kill van Kull's 45-foot project is continuing on schedule, with work on-going on the west side of the KVK and in Newark Bay all year. Several projects have reached completion or are soon to be completed. The Sediment Decontamination Technology Demonstration Project has finally borne some fruit, with 3 out of 4 pilot projects completed and reports being finalized. Be sure to visit our webpage for those reports. A very ambitious demonstration project is underway in Kearny, to kick-off the commercialization of the BioGenesis technology. The BioGenesis folks plan to treat over 75,000 cubic yards of dredged material in this project, using their

sediment washing and soil manufacturing process. You can read more about them at [www.biogenesis.com](http://www.biogenesis.com). Our investigation on the use of amended dredged materials in highway projects is also complete, but only pieces of it are up on the website at this time. If you are interested, please call the office. This year will also see the opening of several new sites for placing amended dredged material; the New Jersey Meadowlands at the Avon Landfill, the Linden Landfill, and at the Port Liberte site. If you have any questions about these projects, or have questions about what we are doing, please feel free to give me a call at 609-530-4770. Or, you can email me at [scott.douglas@dot.state.nj.us](mailto:scott.douglas@dot.state.nj.us). Our website is [www.state.nj.us/](http://www.state.nj.us/)

### CPIP Update

*By Lisa Baron, NJDOT Office of Maritime Resources*

The Comprehensive Port Improvement Plan (CPIP) for the Port of NY/NJ is now well under way. The aim of CPIP is to formulate an environmentally friendly, socio-economically enhancing and financially viable plan for the Port over the next 60 years. The CPIP agencies recently held our third Stakeholder Meeting on February 28. Four interest groups, including Environment, Harbor/Trade/Business/Labor, Infrastructure/Security/Fiscal and Community/Government were established. These interest groups

will later form Stakeholder Subcommittees for each port facility or terminal, to discuss the many issues and options for port improvement at specific sites. A Stakeholder Forecasting Workshop will be held on April 18 to discuss the many issues related to the forecast of the Port's market potential.

The Federal Agencies have also selected the consultant team this March for the CPIP Environmental Impact Statement (EIS). Therefore, the preparation of the EIS, and its integration with the planning process, can soon be initiated. Please go to the CPIP web site, at [www.cpiponline.org](http://www.cpiponline.org), to get details on the Forecasting Workshop, download the Scopes of Work for the Plan and EIS, register to participate in the Stakeholder process and just get more information on this important regional endeavor. If you have any questions about the CPIP, please call Laura Shabe (CPIP Coordinator) at 212-312-3719 or call me at 609-530-4779. You can also reach us via email at [lshabe@nycedc.com](mailto:lshabe@nycedc.com) or [lisa.baron@dot.state.nj.us](mailto:lisa.baron@dot.state.nj.us).

