DRBC Monitoring and Modeling Activities in Response to Paulsboro Vinyl Chloride spill

MAC Meeting January 9, 2013

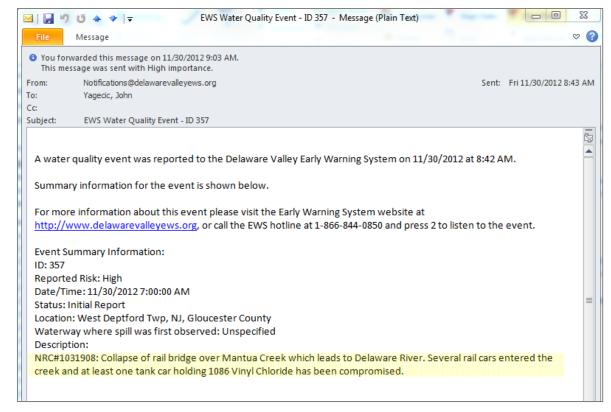


John Yagecic, P.E.

Delaware Valley Early Warning System 8:43 AM, Friday November 30th

DRBC Actions

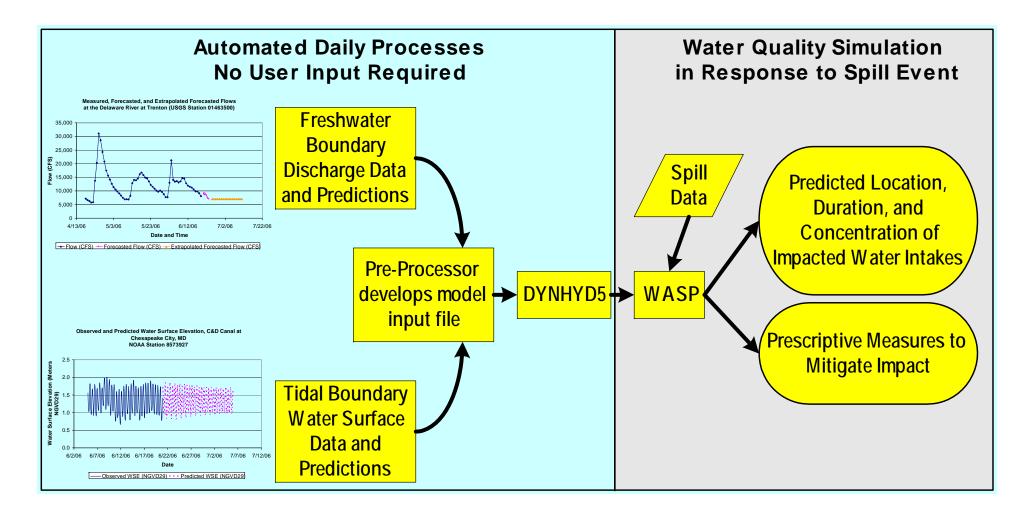
- DRBC supports and coordinates with the Unified Command, but not a first responder;
- Ran water quality portion of continuous real-time flow and transport model;
- Sampling and analysis for Vinyl Chloride in mainstem Delaware River;
- Coordinated with water suppliers regarding results of modeling and monitoring.









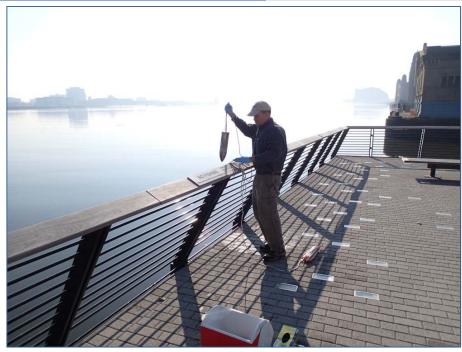


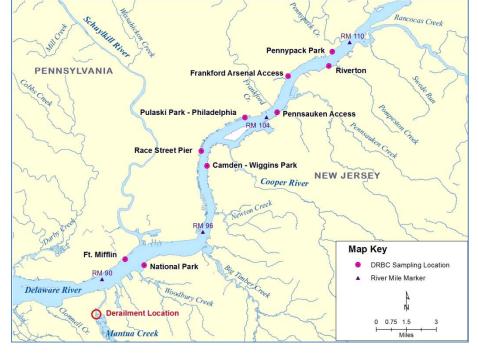
Sampling for Vinyl Chloride

Delaware River Basin Commission
DELAWARE • NEW JERSEY
PENNSYLVANIA • NEW YORK
UNITED STATES OF AMERICA

November 30, 2012 and December 3, 2012

Date	Site	Landmarks	River Mile
Nov. 30, 1423 hours	Fort Mifflin	ACOE Pier	91.5
Nov. 30, 1230 hours	National Park	Pier	92.0
Nov. 30, 1319 hours	Camden - Wiggins Park	Inlet to marina	99.3
Dec. 3, 1102 hours	Race Street Pier	Ben Franklin Br., PA side	100.0
Dec. 3, 1024 hours	Pulaski Park	PA side	103.0
Dec. 3, 1305 hours	Pennsauken Access	Near train bridge, NJ side	104.5
Dec. 3, 1220 hours	Frankford Arsenal Access	PA side	106.5
Dec. 3, 1339 hours	Riverton Yacht Club	NJ side	108.5
Dec. 3, 1427 hours	Pennypack Park	PA side	109.0



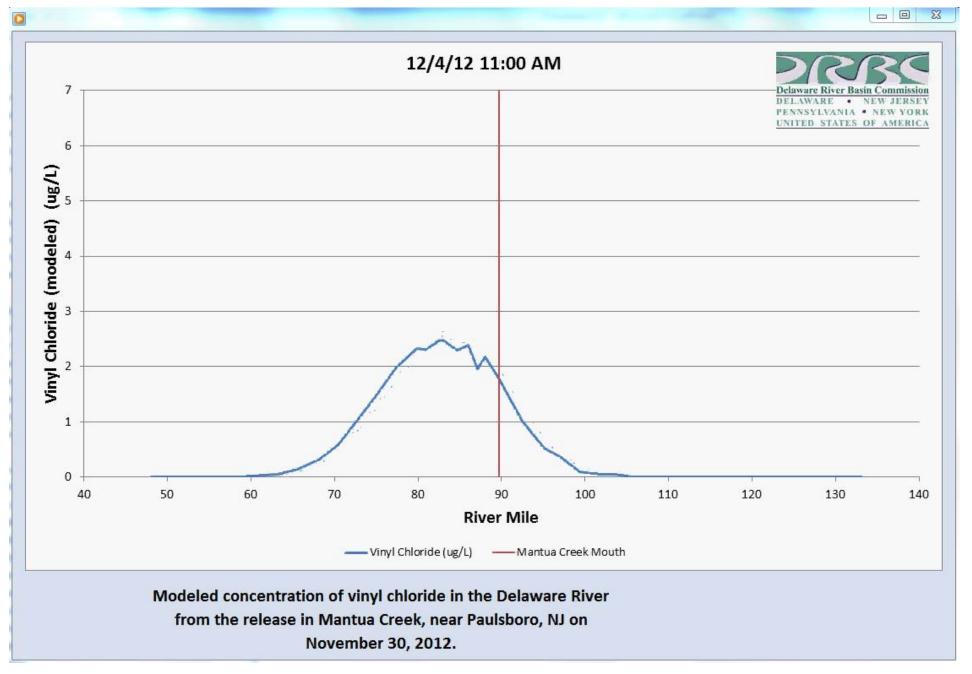




DRBC Monitoring Results

- All samples <u>Non-Detect for Vinyl Chloride</u> at an MDL of 0.24 ug/L;
- All others Method 524.2 non-detect except as shown below:

Sample Location	<u>Parameter</u>	Result	ReportingUnits	Qualifier
Pulaski Park - PA	1,2-Propadiene (CAS) \$\$ Allene \$\$ Propadiene \$	0.284	ug/L	J
Race St. Pier -PA	Toluene	0.19	ug/L	JR
Frankford Arsenal Access - PA	Ethyl Benzene	0.18	ug/L	JR
Frankford Arsenal Access - PA	m,p-Xylene	1.39	ug/L	
Frankford Arsenal Access - PA	o-Xylene	0.6	ug/L	
Pennsauken Access - NJ	6-Nitrobenzimidazole-1-acetic acid hydrazide	0.312	ug/L	J
Pennsauken Access - NJ	Acetone	0.63	ug/L	
Pennypack Park - PA	2-Methylpyrrolidino[4,3-f]perhydroisoquinoline	0.578	ug/L	J
National Park - NJ	Tetrahydrofuran	0.84	ug/L	
Fort Mifflin - PA	7-(1-n-hexylethenyl)bicyclo[4.1.0]heptane	0.336	ug/L	J
Fort Mifflin - PA	Naphthalene	0.18	ug/L	JR
Fort Mifflin - PA	Propanal, 2-methyl-, (2,4-dinitrophenyl)hydraz	0.324	ug/L	J



http://www.youtube.com/watch?v=gAYjWld4cn0

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Questions?



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