

From: "Sachatello, Ronald " <rsach90@entergy.com>
To: "Timothy Rice" <tbrice@gw.dec.state.ny.us>
Date: 4/19/06 8:40AM
Subject: RE: HUDSON RIVER SHORE LINE WATER AND SEDIMENT SAMPLES
ATDISCHARGE OF MH-1 STORM DRAIN PIPE

Tim:

You are right...this is not the "end state" composite type grab sample monitor setup we have talked about. The composite grab sample monitor system concept will be evaluated after we install the 3 additional wells along the riverfront. These new wells will give us more intelligence as to where groundwater may be leaving the site and entering the river. It is conceivable that the MH-1 storm drain location may not be the optimum or representative sampling point for a composite sampler to be installed.

The water sample we acquired was taken directly at the outlet of the MH-1 discharge pipe it enters the Hudson River. There was no water discharging from the pipe at the time of the sample, so the sample is really Hudson River water at the closest vicinity to the MH-1 discharge Point.

The sediment samples were taken on the immediate shoreline near MH-1 discharge. The sediment is mostly composed of coarse sand and gravel under the riverfront rip rap, and is not the best media to see if contaminant deposition has occurred. However we will count it and see if anything is present. If nothing else at this point it may be negative documentation. Within a short time our NEM group will be taking actual sediment (sand) samples along the waterfront which will provide better information than this initial MH-1 "gravel" sample.

As you stated, these samples are better than what we got from the boat, but not as definitive as future sampling methods we are evaluating.

We will send you the water sample. We have the lab address.

PS:

We are sending you and the NRC a few digital pictures showing what we did yesterday.

Ron Sachatello

860-857-4980

From: Timothy Rice [mailto:tbrice@gw.dec.state.ny.us]
Sent: Wednesday, April 19, 2006 8:03 AM

B-26

To: Sachatello, Ronald
Cc: Larry Rosenmann; Robert P. Snyder
Subject: Re: HUDSON RIVER SHORE LINE WATER AND SEDIMENT SAMPLES
ATDISCHARGE OF MH-1 STORM DRAIN PIPE

Ron,

Was this "river water" taken directly from the river, or water from the MH-1 pipe (normally dry?), or, as originally discussed, was this water running out from between the Rip Rap after full low tide had been reached?

The original purpose was to sample from between the rocks (possibly using some type of pump, with a tube to reach between the rocks, if needed) at or after full low tide to get groundwater from the shallow flow that was as minimally diluted by river water as possible. It was an idea that was developed as a means of looking at the potential of contaminated shallow flow coming around the N end of the canal and turbine bldg and along the outside of the storm drain line coming through MH-1. This was prior to discovery of the contamination levels at MW-37, but it is still a useful piece of data.

Sampling directly from the river right at the Rip Rap is better than the samples previously collected from the boat, but not what was originally intended for this sampling activity.

In either case we will analyze this one water sample, but a clarification would be appreciated. It should be sent to the DOH in Troy. Samples have previously been shipped to that address from the site. If you need the address, please let me know.

Thanks,

Tim

>>> "Sachatello, Ronald " <rsach90@entergy.com> 4/18/06 3:16:32 PM >>>

On April 18, 2006 at 1330 hours a joint NRC/State/IPEC split river water and shoreline sediment sample set was taken of the Indian Point shoreline, directly at the outlet point of Storm Drain MH-1 as it enters the Hudson River.

The water sampling consisted of 3-1 gallon bottles (1 bottle each for the NRC/State/IPEC) at the discharge point of MH-1 storm drain pipe as it enters the Hudson River.

The sediment sampling consisted of 2-500 ml bottles collected of coarse sediment taken within 6-12 inches of the MH-1 Storm Drain pipe as it

enters the river. Only 2 bottles were filled with coarse sand and gravel-like sediment, as no easily retrievable fine shoreline sand or mud sediment resides at this location.

A 1 gallon water sample is available to the State if the State desires to count this split sampled Hudson River water. The 1 gallon bottle will remain under the custody control of the NRC in the IPEC NRC resident's office.

If the State would like this water sample please let us know and we will mail it to you. If you have any constrained preservation time limitations for this sample, please let us know.

Thank you.

Ron Sachatello

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