

**Village of Croton-on-Hudson  
Minutes for Meeting of the Planning Board  
Tuesday, May 22, 2012**

**Present:** Rob Luntz, Chairman  
Bruce Kauderer  
Fran Allen  
Mark Aarons  
Steve Krisky

**1. Call to order at 8:00 p.m.**

**2. New Business**

*a) Hudson National Golf Club--40 Arrowcrest Drive (Sc. 67.15 Block 1 Lot 4) -- Report from Environmental & Turf Services regarding the reevaluation of the resampling response threshold (RT) exceedance criteria for nitrogen (N) and total phosphorous (TP)*

LaJan Barnes, hydrogeologist, from Environmental & Turf Services, Inc. was present. Ms. Allen mentioned that she had spoken with Karen Jescavage-Bernard, President of the Arboretum on this report. Ms. Barnes stated that in her opinion the reevaluation of the sampling should not have any effect on the arboretum.

Ms. Barnes stated that the purpose of the report is to discuss the possible reasons for nitrate-nitrite Response Threshold (RT) exceedances at one of the surface water monitoring stations at the Hudson National Golf Course.

In her Power Point presentation (available in the Engineering office and online), Ms. Barnes discussed the background of the monitoring system. A baseline was established in 1994 before the golf course was built (pre-construction) in order to establish response thresholds. Official monitoring was conducted of the drainage system and water during construction and after construction. Ground water monitoring ended in 2004. Monitoring now only includes surface water for inorganics. E&TS is no longer monitoring pesticides as there were no exceedances for five years.

The recent investigation last November showed a response threshold exceedance at a surface water station. After a site visit was conducted, it still is not clear what is causing the exceedance. There was no direct discharge of runoff from the managed turf nor is the golf course Superintendent over-applying fertilizer.

Ms. Barnes inspected the Water Quality Basins (WQB) which act as a water filter for the water runoff from the managed turf. These WQBs give the water a chance to go into the ground at a regulated rate. The WQBs also act as a natural filter in which pollutants and contaminants are filtered.

Ms. Barnes stated that the original N and TP (total phosphorus) Response Thresholds (RTs) calculations from 1996 were reviewed and there were errors found--eight values increased and two were unchanged. The RT calculations were corrected.

Ms. Barnes stated that the E&TS would like to stop automatic resampling evaluation since resampling rarely confirms the RT exceedance and provides little scientific value compared with

how expensive resampling costs are. Resampling for an exceedance is always done during base flow conditions even when the exceedance occurs during a storm sampling.

Ms. Barnes recommended that E&TS sample and analyze the discharge pipe at WQB #18; revise N and TP RTs with correct values; set aside automatic resampling and amend the Environmental Management Plan so that RT exceedances no longer automatically trigger resampling events. Instead, E&TS recommends that the decision to resample be based on expert judgment. They also recommend ending the 5-year monitoring provision from the date of RT exceedance for N and TP.

Mr. Aarons asked why the second sample was not from a storm and stated that he would like to see a baseline sample and a second baseline sample, or similarly a storm sample with a second storm sample. A discussion ensued regarding the difficulty of obtaining these like samples.

Ms. Barnes stated she would resubmit the rules for resampling to include a second storm sampling; and if the second sampling cannot take place in the same season, the sampling will continue into the next season. The discharge pipe will be investigated since the source of water entering that pipe is in question. She will amend the Environmental Management Plan and submit it to the Planning Board for their approval.

### **3. Approval of Minutes**

The minutes of April 24, 2012 were approved on a motion by Mr. Aarons, seconded by Mr. Krisky, and carried in favor by a vote of 4-1, Ms. Allen opposing.

The minutes of May 8, 2012 were approved on a motion by Mr. Aarons, seconded by Mr. Krisky, and carried in favor by a vote of 4-0-1 abstention.

### **4. Adjournment**

There being no further business to come before the board, the meeting was duly adjourned at 10:05 p.m.

Respectfully submitted,

Ronnie Rose  
Planning Board Secretary