WAYLAND WELLHEAD PROTECTION COMMITTEE

MEETING MINUTES (#78, by J. Riley)

November 10, 2010

Attendance: Sherre Greenbaum, Tom Sciacca, Kurt Tramposch, Jennifer Riley, Bruce Young of MRWA (from 9:35am)
Location: Town Building, Selectmen's Meeting Room, 41 Cochituate Road

Meeting convened at 9:09 a.m.

Discussed **OCP drainage** issue (can drainage be redirected to Charena Rd. to avoid run-off from road to enter brook and Happy Hollow wells while road is open to replace gas main to HS from Five Paths). Outfall would be into flood plain. TS will speak to Stubby about diversion. Surface water does get sucked into wells; surface vegetation needed as filter especially with HH sand aquifer and slow-moving river.

KT will make pdf of Fortin report from 1980's for BY as background in WPP. Level of chloride measured in water peaked at 135ppm in 1971, due to nearby stockpile of road salt, remained high for several years Stockpile was moved, Chloride level dropped to 40ppm in 1981. By 2009, level had climbed to 120ppm, indicates elevated level is no longer a result of any nearby stockpile. EPA guidelines site 250ppm for chloride (secondary contaminant, tested more often, is of greater concern), and 20ppm for sodium (inorganic contaminant). TS emphasizes upward trend should be of concern.

If **elevated salt** is result of road salting, monthly sampling (at least summer vs winter) should indicate that. BY suggests sampling both sodium and chloride. Also suggests asking for application rates from Stubby, which SG will do. Problems are conflict between stated rate trucks returning with remaining salt needing to be unloaded; it's easier and faster to dump it.

BY says there are GPS systems that can work with DPW trucks, take into account temperature, slope, etc. to determine amount salt needed. Not too expensive, can lead to huge savings in salt and time.

Discussion of whether schools get extra salt, & whether HH School contributes to salt level in brook and therefore HH wells.

Reappointment by BOPW discussed since terms expire November 30. Op ed for Town Crier drafted to show what's been accomplished, much work to be done; to be finalized by SG for submission next week. SG to request that reappointments be on agenda for next DPW meeting.

SG moves to **approve minutes** from October 14 meeting. KT seconds, passed 4-0.

Discussion of **WPP Section on HH Wells** with BY. WPC members urged to send revisions to BY within week.

INTRO.: Discussion of executive summary. BY suggests ongoing concerns could be detailed at end of report.
BACKGROUND: SG suggests explaining "capture zone." SG will send map of capture zone for entire town. BY recommends using "capture zone" in discussion & will add explanations of the three zones. Regs apply to Zone I and II, but capture zone is more accurate & used for public education . KT will draft paragraph to be added re: businesses within Zone II.
EXISTING SOURCE WATER PROTECTION: BoWC recognized it wasn't sufficient, so WPC was formed. Will list other Boards with interest in water protection: BoH, ConCom, SWQC, Will also mention need for permanent webpage with links to report.
PSOCS (Potential Sources of Contamination): KT and TS suggest adding historical record of past events to emphasize importance of APD bylaw: MtBE, Raytheon, Watertown Dairy, Shell products pipeline. LS will be asked to write up this section. Over $500,000 has been awarded to Wayland from MtBE litigation that can be applied to water related improvements; requires town meeting appropriation from a Selectmen's special legal account. PSOC's will be listed in order of importance. KT and TS will augment turf field section. BY will get actual figures for impervious covering in capture zone, and ask B.Decker for map showing number of

residences within capture zone and Zone II. KT will expand on green initiatives encompassed in HS building plan. SG will send UST list to BY.

KT asks about including green upgrades for DPW, i.e., adding GPS to snowplows. May not be immediately possible, but should be mentioned. Suggests adding example of model bylaw supporting LEED for homes.

Discussion of availability of grants to encourage water use reduction – would have broad appeal of financial savings.

TS points out that ConCom has standard order of conditions to prohibit pesticide use near water.

BY will include goal of reducing impervious surfaces and prohibiting or limiting salt usage in capture zone.

CPA can be used to protect water. CPC can put conditions on awards (i.e., housing must use low-flush toilets, paving issues, etc.) Discussion of whether other boards could add conditions on projects to reduce salt usage, minimize other threats to water

Chamberlain well. WPC will review threats to Chamberlain well for next report from BY.
Threats include

- natural gas pipeline passing very close to well. KT has observed no herbicide or mechanical clearing of pipeline path. Report cannot mention exact location of pipeline. Needs maintenance, but no herbicide use.
- Transportation
- Dog-walking and trails
- Flooding
- Agriculture
- Quality of road to well itself. Chemical delivery during winter may be problematic or even dangerous. Potential for spill. Discussion of possibility of using CPA funds for concrete pads with berms at all wells (do all wells have them?) KT questions whether federal money might be available given proximity to GMNWR. May want to suggest CR's on surrounding parcels or purchase. Need to check on communication with SCADA system from Baldwin; has removal of trees at Chamberlain improved that?

Next meeting set for Thursday, November 18, 9:00am.

SG moves to adjourn meeting at 12:30pm. TS seconded, passed 4-0.

(minutes approved Nov 18, 2010)