

EXHIBIT 45

6/26/2012
ANDY K.

PFOA white paper

At this time (April 2011), PFOA is not regulated as a pollutant

Background:

In 2003, Taconic became aware of an EPA *chemical-of-interest* that might be within PTFE dispersions/surfactants that Taconic purchases. That chemical is/was identified as: perfluorooctanoic acid or PFOA. At that time (2003), employees, were informed that Taconic was going to sample air and water supplies looking for the chemical, in case that chemical became EPA/DEC regulated and/or the chemical exhibited high risk of hazards to employees. Taconic still includes a discussion of PFOA being onsite during new-hire training.

Initial 2003/2004 testing indicated PFOA was not onsite however we later determined the lab that analyzed the samples - was not really capable of finding PFOA. After DuPont finished negotiations with the EPA, they informed Taconic where to get the samples tested. It seems, there is only one company (Exygen Research) in State College, Pennsylvania can test the samples accurately.

It should be noted, DuPont and 7 +/- other companies agreed to phase out the use of PFOA in making PTFE/Teflon/dispersions/surfactants by 2015.

Air and ground and surface water and ground water testing was conducted with the samples sent to Exygen Research (at different times 2003, 2004, etc.).

- Taconic had "hits" in well water of **2.1 ppb** in well #3 (for buildings #6, #9, #10)
- Taconic had "hits" in well water of **116 ppb** in well #2 (for building #5)
- Taconic had "hits" in well water of **148 ppb** in well #1 (for buildings #2, #4)
- Taconic had "hits" in fume eliminator #5 effluent/liquids of **~172,000,000 ppb**

The specific numeric data (above) was not shared with employees however, it was/is emphasized that it is prudent to protect one's health by providing bottled water from a commercial delivery company. Water is provided and 15 water coolers are onsite to use for consumption. As a conservative approach, activated carbon canisters were also installed on the 3 wells that Taconic uses, to sequester any VOCs, including PFOA, to further protect employees from hand washing exposure.

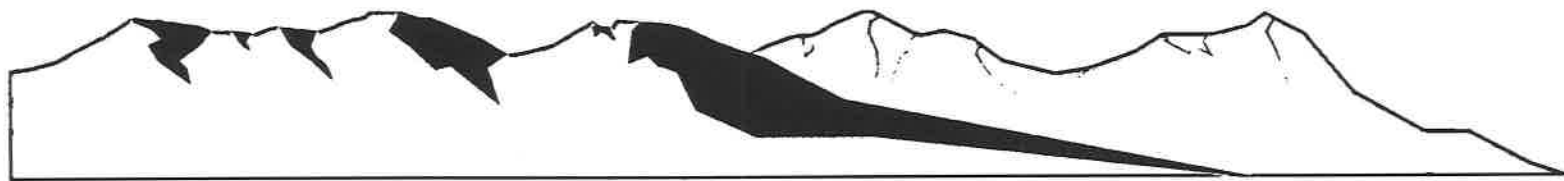
Current issue:

Taconic has not measured water or ground water or air for several years. Only one (expensive) lab (Exygen Research) can apparently analyze the samples taken. EPA is proposing to monitor or regulate PFOA as a drinking water pollutant - possibly to a value as low as **0.02 ppb**. If that happens, Taconic may need to sample more, test more and better monitor what is happening on the activated carbon canisters. Other health concerns, due to the information, may also develop. Proposed sampling would begin in 2013.

C8/PFOA REVIEW

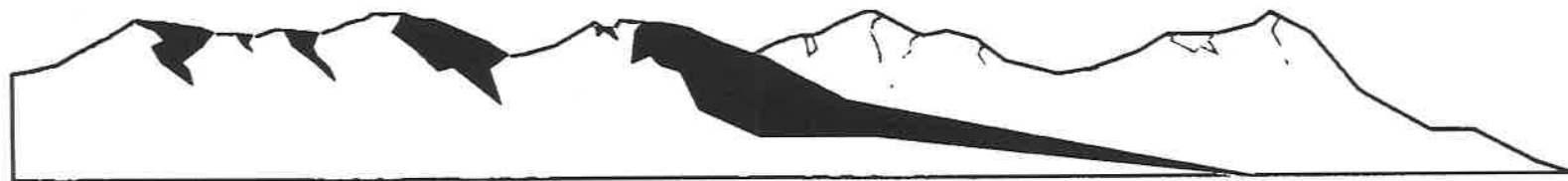
- **Negative C8 health indicators: elevated cholesterol, elevated uric acid, less fertility, delayed breast development, possible liver cancer issues**

*** non-detect at Training Center/Barn & Tony's rental, unknown at Dan's current rental**



C8/PFOA REVIEW

- **Federally approved EPA laboratory test methods are not yet approved nor universally common processes amongst labs**
- **Historic ground water concentrations (measured) were ~~0.349*~~ ppb to ~~8820~~ ppb**
- **Historic fume eliminator (#5) concentrations (measured) were 172,000,000 ppb**

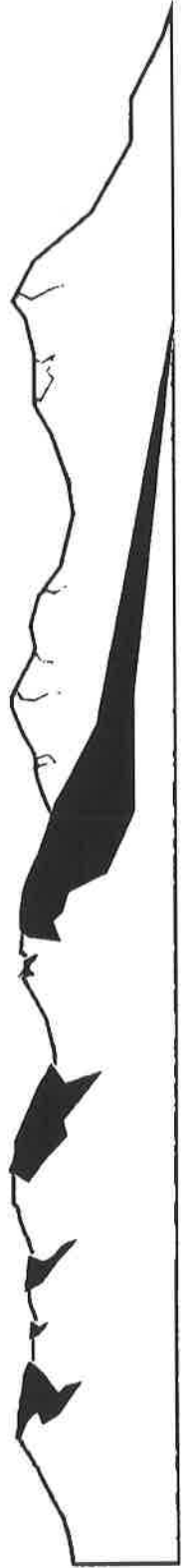


C8/PFOA REVIEW

- **Mid January 2009, EPA issued a health advisory regarding the water consumption of c8 if the contamination was greater than 0.4 ppb**
- **Health advisory is not a mandated limitation, but rather more of a guidance document**



C8/PFOA Review



Karen Toth

From: Andy Kawczak [andyk@4taconic.com]
Sent: Tuesday, February 3, 2009 3:26 PM
To: Andy Kawczak
Subject: Fw: strategy mtg
Attachments: C8 Discussion points.doc

MEMO TO RECORD

A. Kawczak met with Tim Kosto and Larry Carroll on 2/3/09 at 3:00PM - to review the current knowledge and regulatory changes associated with PFOA --In this case, a Health Advisory was issued that recommended that no one should drink water when contaminated with values greater than 0.4 ppb. After reviewing the historic (3-years ago+/-) sampling sites associated with Taconic, it was felt that until EPA established a real set-point regulation, that any additional testing data would not be useful. Thus, by providing bottled water to employees, it should be sufficient to protect employees health.

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C8 Discussion points

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Feb. 2009

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