

# Timeline on Pittsboro Unregulated Pollutants in Pittsboro Drinking Water

|          |   |
|----------|---|
| 7/16/19  | BOC workshop on utilities, Town Engineer and consultants presented results of the collaborative Master Drinking Water Utility Plan done by Hazen & Sawyer (with Chatham County, Pittsboro, Siler City, and Goldston contributing to the costs). This study and resulting planning tools give Town Staff the ability to do more detailed planning of the estimated costs of various scenarios for drinking water, which could give us near term relief from the pollution in our drinking water. |
| 7/16/19  | 7/16/19: Cindy Perry attends NCDEQ Meeting with Sec. Regan at Wake Tech   |
| 6/10/19  | June 10, 2019, the final report of CDM Smith was presented and Town Engineer asked for further direction.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/CDM_Smith_-_Pittsboro_Emg_Cont_Memo_05-29-19_Final.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/CDM_Smith_-_Pittsboro_Emg_Cont_Memo_05-29-19_Final.pdf</a>  |
| 5/28/19  | BOC: Bonitz asked Town Manager when the final report of the CDM Smith engineering study would be completed.   |
| 5/9/19   | Joint mtg of County and Town: Town Manager said he and County Mgr had been discussing water infrastructure and possibilities of collaboration for short term remedies.  |
| 4/22/19  | April 22, 2019, Earth Day, Town staff and the consulting engineering firm CDM Smith presented their draft results of their analysis of options for cleanup. Estimated costs of construction, operation, and maintenance were presented for several techniques for removing these toxic chemicals from our drinking water.   |
| 4/16/19  | 4/16/19 1,4-Dioxane Quarterly Conference Call: Attachments for Meeting on Calendar  |
| 4/5/19   | 4/5/19 Email between me and Adam Pickett re: Monitoring methods at our Water Plant  |
| 2/25/19  | February 25 2019 Managers update included mention of work with CDM Smith on the engineering study to remove unregulated chemicals from our drinking water.  |
| 2/11/19  | February 11 2019 we had Town staff and engineering consultants speak on the contaminants and the study of solutions to eliminate them from our drinking water.  |
| 1/3/19   | 1/3/19 Email from Mick Noland Water Supervisor in Fayetteville  |
| 12/13/18 | 12/13/18 Water Resources Joint Committee at Triangle J COG  |
| 11/30/18 | 11/30/18 1,4-Dioxane Quarterly Conference Call  |
| 10/28/18 | BOC: The subject was discussed again as we approved the contract for CDM Smith to perform the engineering study to tell us how to fix the problem.  |
| 9/27/18  | 9/27/18 Cindy Perry attended Water Collaborative (Triangle J COG) in Sanford  |
| 9/24/18  | BOC: Emily Sutton from the Haw River Assembly spoke of her work with NCSU researchers.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/ECC.Haw.TownBoC92F24.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/ECC.Haw.TownBoC92F24.pdf</a>   |
| 8/30/18  | 8/30/18 Conference with Emily and Elaine after One Water Meeting in CH  |
| 8/30/18  | 8/30/18 Cindy Perry and Diana Hales attended One Water Meeting in CH  |
| 8/24/18  | 8/24/18 Email between me and Emily Sutton about meeting to discuss drinking water   |

|  |   |
|--|---|
| 7/31/18                                | 7/31/18 Conference Call with State DEQ: Mick concerned about Asheboro Numbers   |
| 6/11/2018                              | Emails among Mayor, commissioners, and staff about "ugly reporting."<br><a href="http://www.courier-tribune.com/news/20180609/another-cape-fear-nightmare">http://www.courier-tribune.com/news/20180609/another-cape-fear-nightmare</a>   |
| 5/14/2018                              | Minutes state Mayor Cindy Perry reported she had spoken with Dr Knappe about Dioxane. Commissioner Bonitz asked town manager to have Mr Pickett and Dr Knappe discuss the possibility of daily sampling with aggregated testing, if that would help.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/May_14_2018.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/May_14_2018.pdf</a> |
| 5/9/18                                 | 5/9/18 Email from Detlef Knappe from last Friday's conference call (5/4/18)   |
| 5/6/18                                 | 5/6/18 Email arranging t/c with Detlef Knappe   |
| 5/4/18                                 | 5/4/18 9-10:30 Conference call with State on 1,4-Diox   |
| 4/16/18                                | 4/16/18 Cindy Perry attended Chatham Conservation Partnership Meeting in Chatham Park Conference Room   |
| 2/15/18                                | 2/15/18 Cindy Perry attended Jordan Lake One Water Meeting by Triangle J COG. Meeting held in Chapel Hill Library.  |
| 8/11/17                                | 8/11/17 Email with Congressman Walker's office (Julie) about Dr. Knappe's findings and contains a statement that Dr. Knappe did a powerpoint with the Town Board in December of 2016.   |
| 6/13/17                                | 6/13/17 Discussion with Danny Smith at Central Office of NC State doing research; found elevated 1,4-Dioxane in drinking water; does ambient monitoring; high concentrations are episodic.  |
| 6/11/17                                | 6/11/17 Cindy Perry attended Triangle J COG Jordan Lake Watershed Summit  |
| 5/22/17                                | 5/22/17 Email with Tracey Holloway with DENR telling me that Jay Zimmerman has provided update; DENR is working with several permitted wastewater treatment plants to identify the sources of 1,4-Dioxane.  |
| 3/28/17                                | 3/28/17: NC Division of Water Resources publishes Plan for Monitoring on 1,4-Dioxane and Bromide  |
| DATE<br>UNCERTAIN<br>FEB-MARCH<br>2017 | t/c Kevin Easton of Reidsville's Utilities: he told me that Dr. Knappe was an outlier, and that their Mayor (Jay Donester) was a scientist and knows about Dr. Knappe. He also said: Fracking in Stokes County is probably the source of water contamination, as well as Duke Power contributing to detriment of water quality with coal ash.   |
| 2/27/17                                | 2/27/17 Letter from Jeff Poupart, Chief of the Water Quality Permitting Section of NCEQ/WR  |
| 2/22/17                                | DWR report on 2 year study of 1,4 Dioxane in Cape Fear River watershed.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/FY1_DioxaneYear2ReportWithMemo.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/FY1_DioxaneYear2ReportWithMemo.pdf</a>  |
| 2/6/17                                 | 2/6/17 Water Quality and 1,4-Dioxane Conference call with Nat Robertson Mayor of Fayetteville), and Ian Baltutis (Mayor of Burlington), Steve Drew (Utilities Director in Greensboro), Michael Borchers, Elijah Williams, Jeff Poupart, Linda Culpepper and Jay Zimmerman (DENR)  |
| 2/2/17                                 | 2/2/17: Mick Nolan t/c: he has had conversations with state on 1,4-Dioxane; Mick suggests that Mayors of Asheboro, Greensboro and Reidsville get together, ask for their help and attach Dr. Knappe's report, to give them an idea of what we are dealing with  |
| 1/30/17                                | 1/30/17 Email arranging a conference call 2/6/17 with Nat Robertson (Mayor of Fayetteville) and Ian Baltutis (Mayor of Burlington)  |
| 1/30/17                                | 1/30/17: Email from Alice Lloyd to me and forwarded to Nat and Ian in preparation for conference call 2/6/17  |

|               |  |
|---------------|--|
| 11/28/16      | 11/28/16: Detlef Knappe presents to the Town Board on 1,4-Dioxane in Pittsboro Drinking Water.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/Pittboro_112816.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/Pittboro_112816.pdf</a>  |
| 9/12/16       | 9/12/16 NC Health News Article on "Tainted Waters"<br><a href="https://www.northcarolinahealthnews.org/2016/09/12/tainted-waters-new-drinking-water-threat-concerns-scientists-officials/">https://www.northcarolinahealthnews.org/2016/09/12/tainted-waters-new-drinking-water-threat-concerns-scientists-officials/</a>  |
| 7/25/2016     | Town of Pittsboro Water Plant Supervisor Adam Pickett, reported to the BOC on continued monitoring of 1,4 Dioxane, and communications with Dr Detlef Knappe.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/July_25_2016.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/July_25_2016.pdf</a>  |
| June 13, 2016 | Mayor Cindy Perry reported to BOC on her diplomatic efforts intergovernmental. Bonitz mentioned Washington Post article.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/June_13_2016_draft.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/June_13_2016_draft.pdf</a>  |
| 6/10/2016     | Washington Post article w/ Pittsboro dateline: In U.S. drinking water, many chemicals are regulated — but many aren't<br><a href="https://www.washingtonpost.com/national/health-science/in-us-drinking-water-many-chemicals-are-regulated--but-many-arent/2016/06/09/e48683bc-21b9-11e6-aa84-42391ba52c91_story.html">https://www.washingtonpost.com/national/health-science/in-us-drinking-water-many-chemicals-are-regulated--but-many-arent/2016/06/09/e48683bc-21b9-11e6-aa84-42391ba52c91_story.html</a> |
| 3/29/16       | 3/29/16 Email with Adam Pickett regarding his list of contacts upstream who have knowledge of the 1,4-Dioxane issue  |
| 3/28/2016     | Town of Pittsboro Water Plant Supervisor Adam Pickett, reported to the BOC on 1,4 Dioxane.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/March_28_2016_draft_minutes.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/March_28_2016_draft_minutes.pdf</a>  |
| 3/16/2016     | BOC approved a contract with Chatham County for a long term "Master" planning analysis of drinking water infrastructure, including discussion of perfluorinated compounds.   |
| 9/28/2015     | Detlef Knappe presents on 1,4 Dioxane at Town Board.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/Dioxane_Presentation.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/Dioxane_Presentation.pdf</a>  |
| June 8, 2015  | Minutes say Mayor Bill Terry asked if the Board wished to have Dr Detlef Knappe present on 1.4 Dioxane.<br><a href="https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/June_8_2015.pdf">https://pittsboronc.gov/vertical/sites/%7B512CE168-4684-4855-9CD9-7D209FE775E3%7D/uploads/June_8_2015.pdf</a>   |