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From: Howard Croft <hcroft@cityofflint.com>
Sent: Monday, March 09, 2015 2:10 PM
To: donna.cole; gdn2@aol.com; James Henry; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Mike Lane; Prysby, Mike (DEQ); Norb Birchmeier; Pete Levine; Russell Hudson; JoAnne Herman; Michael Glasgow; Daugherty Johnson; Brent Wright; Warren Green; Samir Matta; Robert Nicholas
Subject: Literature
Attachments: Bottled Water NRDC.pdf; CA study on THMs and pregnancy.pdf; Egorov-ExpDBPsRussia-Proofs.pdf; Guidance for People with Severely Weakened Immune Systems.pdf; KrasnerWright-DBPBoil-WatRes2005.pdf; TTHM fact sheet (1).pdf; vulnerable to drinking water.pdf; ycn-infection-safedrinkingwaterguidelines-sept2004.pdf

All,

I am sending out the literature that I received from Dr. Rose and from Mr. Wright of the EPA. There is a lot of information to go through here and we will attempt to put together a new fact sheet from these documents.

We are working on a cover letter that will be mailed out with the DEQ notice and I still intend to send a draft copy to this group prior to the mailer going out. We are targeting this Wednesday to have the letter ready for preview (along with a fact sheet) and we will potentially mail it out by this weekend or next Monday if the notice has been received.

Thank you,

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Bottled Water: Pure Drink or Pure Hype?. By Erik D. Olson. April 1999

Bottled Water Pure Drink or Pure Hype?

[Report page](#)

Chapter 3

Bottled Water Contamination: An Overview of NRDC's and Others' Surveys

Setting aside the question of whether bottled water is as pure as advertised, is the public's view that bottled water is safer than tap water correct? Certainly the aggressive marketing by the bottled water industry would lead us to believe so.

NRDC undertook a four-year, detailed investigation to evaluate the quality of bottled water. We reviewed published and unpublished literature and data sources, wrote to and interviewed by phone all 50 states asking for any surveys of bottled water quality they have conducted or were aware of, and interviewed experts from FDA. In addition, through three leading independent laboratories, we conducted "snapshot" testing of more than 1,000 bottles of water sold under 103 brand names.

What NRDC has found is in some cases reassuring and in others genuinely troubling. The results of all testing NRDC conducted is presented in Appendix A; [Figure 4](#) summarizes the results.

The bottled water industry generally has publicly maintained that there are no chemical contaminants in bottled water. For example, as noted in Chapter 2, a widely disseminated fact sheet on bottled water distributed by the International Bottled Water Association (IBWA) -- the industry's trade association -- states flatly that bottled water contains no chlorine or harmful chemicals. ¹²⁹

However, our investigation has found that potentially harmful chemical contaminants are indeed sometimes found in some brands of bottled water. (*The box at the end of this chapter highlights a particularly troubling example.*) NRDC's testing of more than 1,000 bottles of water (for about half of FDA-regulated contaminants; see the *Technical Report* [print report only]), found that at least one sample of 26 of the 103 bottled water brands tested (25 percent) contained chemical contaminants at levels above the strict, health-protective limits of California, the bottled water industry code, or other states¹³⁰ (23 waters, or 22 percent, had at least one sample that violated enforceable state limits). We found only two waters that violated the weaker federal bottled water standards for chemicals (in two repeat samples), and two waters that violated the federal standards for coliform bacteria in one test (though another batch of both of those waters tested clean for bacteria). The *Technical Report* (print report only) also discusses evidence provided by other investigators who in the past found that chemical contaminants were found in bottled water at levels violating the federal bottled water standards. ¹³¹

Thus, in our limited bottled water testing, while strict health-protective *state* limits for chemicals sometimes were not met by about one fourth of the waters, the weaker *federal* bottled water standards generally were not violated. As noted in Table 2, among the chemical contaminants