



May 18, 2017

Ms. Laura Olah, Executive Director
Citizens for Safe Water Around Badger
E12629 Weigand's Bay South
Merrimac, WI 53561

Subject: Citizens Petition for Wisconsin Drinking Water Health Advisory Levels for Degradation Products of Dinitrotoluene (DNT)

Dear Ms. Olah:

This letter is to inform you that the Department of Health Services (DHS) has completed its review of toxicological information on twelve Dinitrotoluene (DNT) degradation products potentially associated with contamination at the former Badger Army Ammunition Plant site. The Department of Natural Resources (DNR) had requested that DHS review available information on the potential health effects of these degradation products and develop drinking water health advisory levels (HALs) if toxicological information supported HAL development. Based on their review of available information DHS toxicology staff were able to develop HALs for five of the reviewed DNT degradation products. These HALs, along with information on the methods and studies used to develop them, are included in the attached letter.

Your organization, Citizens for Safe Water Around Badger (CSWAB), had petitioned the DNR in November of 2015 to review and potentially establish HALs for seventeen DNT degradation products. As you know, DHS had previously developed HALs for five of these degradation products and this information was provided to you. DHS toxicology staff were able to develop new drinking water HALs for: 2-nitroaniline, 3- and 4-nitroaniline (combined), 2,4-diaminotoluene and 2,6-diaminotoluene, but there was insufficient health effect information available to establish HALs for the other DNT degradation products reviewed.

Your petition had also requested that the DNR review available statewide monitoring results to determine if DNT breakdown products: 2,6-Diaminotoluene, Benzofuran, 3-Methylbenzofuran, 5-Methylbenzofuran, 3-Methyl-2-Nitroaniline, 3-Methyl-4-Nitroaniline and 3-Methyl-5-Nitroaniline had been detected in groundwater. Based on review of available monitoring information it does not appear that any of these compounds have been detected in groundwater in Wisconsin.

If you have questions regarding this matter please feel free to contact Bruce Rheineck at (608) 266-2104, or via e-mail at: BruceD.Rheineck@wisconsin.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Steven B. Elmore'.

Steven B. Elmore
Director, Bureau of Drinking Water and Groundwater
Wisconsin Department of Natural Resources