

RICK SNYDER

JAMES K. HAVEMAN

November 30, 2012

Joseph Bohr, Coordinator Fish Contaminant Monitoring Program Michigan Department of Environmental Quality P.O. Box 30458 Lansing, MI 48909

Dear Mr. Bohr:

Per our conversation September 19, 2012, this letter corrects Table 1 and related language in my August 29, 2012 letter to you regarding the Michigan Department of Community Health's (MDCH) evaluation of perfluorinated chemicals (PFCs) in fish taken from ponds in Clark's Marsh, near Oscoda in Iosco County, Michigan.

I had indicated the fish samples were taken from "four ponds in Clark's Marsh," however you clarified that they were sampled from two ponds. Specifically, sample locations 1 and 2 were in the "upper" pond, closest to Wurtsmith Air Force Base. Sample location 3 also was in the "upper" pond, but near the discharge from that waterbody into the "lower" pond. Sample location 4 was in the "lower" pond. This letter amends the language in the fourth paragraph, first sentence, of my earlier letter to: "Fish samples were taken from four locations in two ponds in Clark's Marsh in 2011 and analysis completed in 2012."

Also, this letter amends Table 1 from my earlier letter; the updated table is below.

Table 1. Perfluorooctane sulfonate (PFOS) concentrations in fish sampled from ponds in Clark's Marsh (south of Wurtsmith Air Force Base [WAFB]) in Oscoda, Iosco County, Michigan in 2011. (Concentrations are in nanograms per gram [ng/g, or parts per billion (ppb)]).

<b>Sample Location</b>	No. Fish	Species	PFOS Range	PFOS Average <sup>1</sup>
1 (Upper pond)	5	Pumpkinseed	4,750 – 8,930	7,040
2 (Upper pond)	5	Pumpkinseed	3,290 – 9,580	5,642
3 (Upper pond)	4	Pumpkinseed	3,170 - 3,820	3,390
4 (Lower pond)	5	Pumpkinseed (4),	334 – 1,290	618
_		Bluegill (1)		

To clarify further, I am attaching the map you have recently supplied showing locations where the fish were sampled in the ponds.

<sup>&</sup>lt;sup>1</sup> Average given is the arithmetic mean. Sample size was not sufficient to conduct statistical analysis.

CAPITOL VIEW BUILDING ● 201 TOWNSEND STREET ● LANSING, MI 48913

www.michigan.gov ● 517-373-3740

The corrections discussed here do not affect conclusions or recommendations in my earlier letter.

Sincerely,

Christina Bush, Toxicologist Toxicology and Response Section

Christina Rose Bush

Division of Environmental Health

Attachment

Map of fish sampling (site) locations in Clark's Marsh, Oscoda (Iosco County), Michigan.

