

COUPEVILLE BLENDED TAP WATER PFAS LEVELS

CHEMICAL	HALF-LIFE IN HUMAN BODY	SITE 1	SITE 2	SITE 3	SITE 4	SITE 5	SITE 6	SITE 7: PRIVATE WELL	OUR WELL OCT 2017
PFBS	28 days	8.38	1.75	7.98	7.68	8.84	8.19	14.7	23.1
PFOA	3.5 years	26.6	10	25	29.4	27.1	28.6	2.21	440
PFHpA	Unknown	5.49	0.858	5.5	4.58	5.85	5.98	3.42	46.4
PFHxS	8.5 years	38	3.05	40.3	32.8	37	39.2	4.41	171
PFOS	4 to 5 years	0.484	1.15	ND	ND	ND	ND	ND	ND
PFNA	Unknown	ND	ND	ND	ND	ND	ND	ND	ND
PFHxA	32 days	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	129
NOTE: SITES 1,3,4,5,6, ARE UNFILTERED TAP WATER IN TOWN		ALL UNITS ARE IN PARTS PER TRILLION							
PFHxS HAS SAME TOXICITY AS PFOS EXCEPT FOR ELEVATED CHOLESTEROL AND A VERY LONG HALF-LIFE									

PFAS BLOOD TESTING

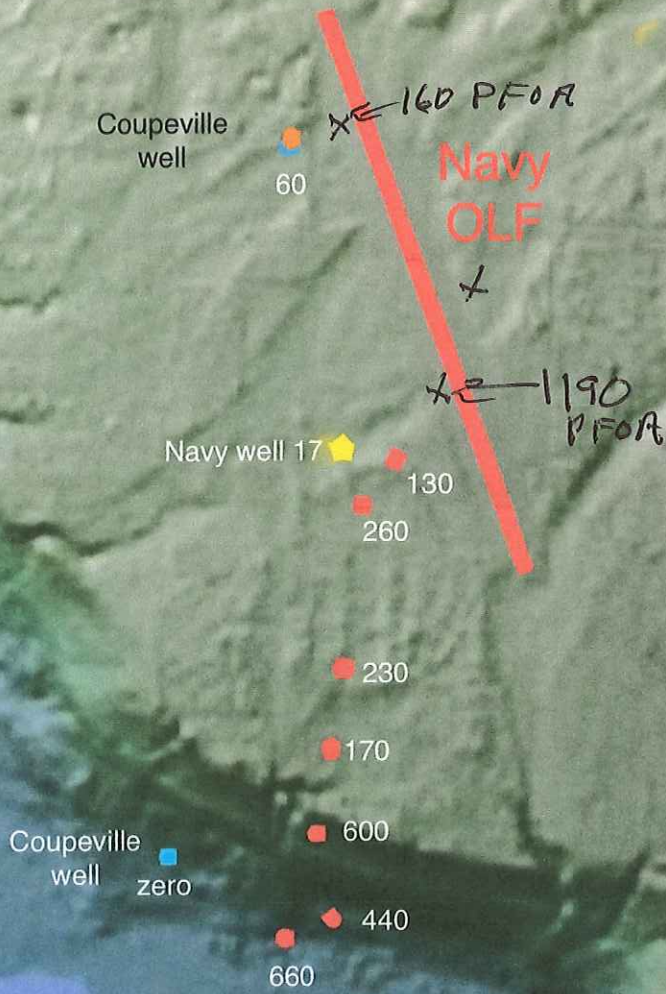
Table 1

Subject	PFOA	PFOS	PFHxS	PFNA	PFDA	PFUnA	MeFOSAA	Study Number
California Teachers	2.46 ng/ml	6.8	1.62	0.92	0.22			1759
California Firefighters	3.75 ng/ml	12.5	2.26	1.15	0.89			101
California MAMAS	1.24 ng/ml	4.2	0.904	0.647	0.198			200
<i>Subject #1 ♂</i> 8 years @ 600ppt PFOA, 1.5 years @440ppt PFOA, and then 1.5 years on city water Oak Harbor	12.8 ng/ml	8.21	9.50	0.808	0.228	0.359	0.128	1 0.5 to 0.75 liters well water/day + cooking
<i>Subject #2 ♀</i> 8 years @ 600ppt PFOA, 1.5 years @440ppt PFOA, and then 1.5 years on city water Oak Harbor	71 ng/ml	9.42	51.6	1.17	0.38	0.519	0.391	1 3 to 4 liters/day well water + cooking
Steve Swanson 17 years @440ppt PFOA	17.3 ng/ml	9.61	13.3	0.820	0.368	0.316	0.116	1 1liter water/day + cooking and large irrigated "organic garden"
1 ng/ml=1 part per billion (ppb)								
1000ppt (parts per trillion) = 1ppb								

Coupeville

Contaminated wells exceeding EPA 70ppt PFOA+PFOS are marked with red dot one well south of Ault Field tests at 2500 PFOS

Blended Water for 1900 Coupeville customers is at 38 ppt PFOA



Crockett Lake



PRODUCTS

ECOPOL F3 HC - Fluorine free ecological foam concentrate Specially for Hydrocarbon Risk



EFFECTIVENESS ON FIRES

Effective on hydrocarbon fires

THE first fluorine-free 3% foam concentrate for hydrocarbon fires that performs better than the best AFFFs.

- 2002: At BIOex we were convinced of the harmfulness of fluorine derivatives and were already working to preserve our environment by launching ECOPOL, the first fluorine-free multi-purpose foam concentrate.
- 2015: We launch the new formula ECOPOL F3 HC specially developed to create the first fluorine-free 3% foam concentrate with an exceptionally fast extinguishing action on hydrocarbon fires.

1A-certified extinguishing performance according to EN 1568-3 standard

- Can be used at 3% in direct application on hydrocarbon fires.
- Certified by an independent recognized laboratory, ECOPOL F3 HC has obtained the best 1A performance classification under EN 1568-3 standard.

Powerful foaming capability!

The adhesive nature of the foam generated, combined with its slow drainage, offers durable adherence on vertical surfaces.

It is used as a protective fire barrier for long-lasting cooling of storage containers or hydrocarbon tanks.

The foam concentrate for hydrocarbon fires thanks to:

- Excellent smothering properties equal to the best AFFF foams.
- Very long burn back time equal to the best protein foams
- Its performances: 1A/Fresh water and 1A/Sea water
- Low environmental impact

ENVIRONMENT

As a **totally fluorine-free foam concentrate**, ECOPOL F3 HC is not subject to current or forthcoming regulatory controls on products containing fluorine derivatives.

ECOPOL F3 HC is completely free of fluorine derivatives (PFCs, PerFluorinated Compounds) recognized as Persistent in the environment, Bioaccumulable and Toxic to living organisms.

ECOPOL F3 HC is classified as readily biodegradable. It breaks down rapidly with **no PBT (Persistent Bioaccumulable Toxic) residue** and contains **no halogen derivatives**.

The use of ECOPOL F3 HC is the alternative for combining respect for the environment with highly effective fire extinguishing capability.

Depending on the absorption capacity of your sewage treatment plant and your spillage agreement, ECOPOL F3 HC foam can be eliminated **without resorting to incineration**.

