



## Ntawv Tshaabxu Txug Dlej Zoo Haus 2016

Wausau Lub Rooj Tswjxwm Dlej txaussab muab Lug Tshaabxu Txug Dlej txhua xyoo. Lub Environmental Protection Agency (EPA) hab lub Department of Natural Resources (DNR) xwv kuas cov txhuav dlej haus muab lug tshaabxu txug dlej zoo hab dlej lug qhov twg lug rua zejtsoom paub.

Qhov zoo ntawm peb cov dlej haus zoo tshaaj le tsoomfwv xeev hab tebchaws cov cai kom tseg. Dlaim ntawv tshaabxu nuav muaj ntau yaam txheejtxwm xwle: kev sim kuas paub tas yog dlej zoo nua yog muaj lecaag, cov lulug siv yog txhais lecaag, dlej yog lug qhovtwg lug, uacaag txhaj txu tau poov txhua huv dlej haus, hab qha rua tuabneeg paub txug yaam tsi zoo rua lub cev. Yog muaj lugnug txug dlaim ntawv tshaabxu nuav, hu rua Scott Boers, kws yog tug Water Plant Superintendent ntawm 715-261-7286.



### Wausau Cov Dlej Haus

Wausau cov dlej haus yog txhuav tawm huv 6 lub qhov tshij lug rua cov chaw txum dlej, cov qhov tshij puavleej nyob ze tug dlej Wisconsin. Cov qhov tshij nuav tub le 95 tshim rua 160 tshim hab txhuav tau dlej le 900 rua 3,000 taub gallon tuaj ib feeb.

Cov dlej tawm huv qhov tshij moog rua huv lub Paag Tu Dlej Txum Ca (Water Treatment Plant) kws raug lim poov hlau hab manganese. Ces maam tso moog rua qhov chaw cais dlej tawm kws muaj le 250 laav kev raaj dlej tivtxwv kws ho txhuav dlej tawm huv qhov chaw tu dlej txum moog rua 16,000 lub tsev hab chaw ua laagluam kws Wausau Water Work txhuav dlej moog rua.

### Txheejtxheem Txug Kev Nojqaab Nyobzoo

Dlej haus, nrug rua tej dlej huv fwj, yeej yuav tsum muaj qho ntsiv poov tsuas rua. Qhov kws muaj poov tsuas le nuav tsi txhais tas yuav ua rua muaj teebmeem kev noj qaab nyobzoo. Xaav paub txug tej poov tsuas hab seb nwg muaj cuabkaav ua tau lecaag rua kev nojqaab nyobzoo tes hu rua Environmental Protection Agency tug xuvtooj has txug dlej huv ntawm (800=426-4791).

Tej tug tuabneeg yuav raug poov tsuas yoojyim dlua le lwmtug. Cov tuabneeg kws muaj mob rua lub cev ua rua tsi muaj zug txaus, xwsle cov mob cancer es coj moog ua chemo, cov tuabneeg hloov khoom nrogcev, cov muaj HIV/AIDS lossis lwmtug kws lub cev tsi muaj zug txaus, ibtxha cov laug, hab mivnyuas mog muaj cuabkaav ua rua muaj mob heev tuaj. Cov tuabneeg kws muaj le nuav yuav tau tuav tswvyim nrug kws khumob txug kev haus dlej. Koj yuav muab tau txheejtxwm ntawm EPA/CDC tej kaabke coj ua kuas txu tau yaam ua rua yug muaj mob nyaav lug ntawm poov tsuas cryptosporidium hab lwm yaam poov tsuas (microbial) ntawm Environmental Protection Agency tug xuvtooj has txug dlej huv ntawm (800=426-4791).

### Txheejxwm Kev Kawm

Tej dlej haus kws lug ntawm kaigdlej hab dlej ntim fwj, yog nqug ntawm dlej ndlwg, dlej tauv, kwjdlag, paagdlej, dlej txum, dlej txhawv hab dlej txhuav. Thaus dlej ndlwg sau npoo aav lossis ntxaum rua huv aav, nwg ntxaum tej poov tsuas kws yog khemis nrug hab, muaj tej qhov ua rua

muaj tej yaam poov tsuas laws nrug dlej lug, hab tseem muaj lwmyaam poov tsuas kws lug ntawm tsaj lossis tuabneeg ua nrug rua.

Cov poov tsuas kws muaj feem txuam rua dlej yog:

- Poov tsuas microbial, zoo xwsle mob kis hab kaab mob, kws txawm muaj rua tej chaw tu dlej lamxee, chaw txum quav hab zig, chaw tu tsaj nruab teb hab tsaj qus.
- Poov tsuas Inorganic kws yog ntsev hab hlau, kws ndlwg nrug dlej zejzrog, kujcuab lossis dlej tawm huv vaajtse, kua roj nyeem hab roj aav, kev khawb qhov luaj khov aav hab ua lajteb.
- Tshuaj tua kaab hab tshuaj tua nroj, kws ndlwg tom tej laj teb, huv zog, hab tej vaajtse lug.
- Poov tsuas khemis kws muaj sa, kws yog, yaam khemis muaj sa kws yeej txawm muaj nyob lossis yaam kws ntshawb tawm kws yog tawm ntawm tej kujcuab lug, lug ntawm tej chaw saamroj lug, tej dlej ndlwg huv zej zog lug lossis chaw txum quav hab zis lug.
- Poov tsuas radioactive, kws muaj cuabkaav txawm muaj nrug zoov nrug tsuag vim lug ntawm kev nchuav roj nyeem lossis roj aav hab kev khawb luaj khawb aav.

Qhov yuav ua kuas cov dlej ntawm kaig dlej zoo haus, EPA tau teeb ib cov kevcai lug tsuam nrim rua qho yaam poov tsuas tas kuas muaj ntau npaum twg xwb. FDA los kuj muaj kevcai lug tsuam nrim xwv kuas cov dlej fwj tsuasyog muaj poov tsuas ntau npaum twg hab xwb, es txhajle tiv thaiv tau lajmej pejxeem kev nojqaab nyobzoo.

### **Poov Txhuas hab Poov Tooj**

Vim tej raajdlej siv tso dlej huv koj lub vaaj lub tsev, ua rua koj lub tsev muaj feem yuav muaj poov txhuas sab dlua lwm lub tsev nyob rua lwm lub zog. Yog muaj le ntawd, tes nwg muaj feem tsi nojqaab nyobzoo, tshwjxeeb yog rua cov quaspuij cev xeebtub hab cov mivnyuas yau hab rua cov mivnyuas kws haus dlej muaj poov txhuas ntau tshaaj le qhov tsuam nrim lawm muaj cuabkaav tsi kheev hlub hab muaj teebmeem lujhlub rua saab laajlim tswvyim. Puab tseem haj yuav muaj teebmeem ncu tom ntej tom qaab hab kev kawm. Cov laug kws haus cov dlej nuav ntau xyoo lawm muaj feem teebmeem raum lossis muaj ntshaav sab. Yog muaj poov txhuas nyob huv dlej haus tes yog muaj lug ntawm cov raaj dlej hab cov kaig dlej huv tsev. Wausau Water Works muaj feemxyuam ua kuas muaj dlej zoo haus, tabsis tsi muaj feem tswj tej raaj dlej hab kaig dlej kws siv rua huv lub tsev. Yog tsi tau siv koj cov dlej huv tsev le ob peb txoos teev lawm, koj muaj cuabkaav txu poov txhuas lug ntawm kev tso dlej nqeg tawm le 30 txoosfeeb txug rua le 2 feeb uantej haus lossis siv ua noj. Tej ntaub ntawv has txug poov txhuas nyob huv dlej haus, cov kaabke sim, hab yaam koj ua lug txu poov txhuas muaj nyob ntawm qhov Safe Drinking Water Hotline lossis huv vaagsaab [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead). Kuj tseem muaj lwmyaam txheejxwm nyob ntawm Safe Drinking Water Hotline ntawm EPA, 1-800-426-4791.



### **Paub Tau Txug Poov Tsuas**

Koj cov dlej haus tau raug sim ntau zag tseb nua seb puas muaj poov tsuas. Luas tso cai rua peb sim seb dlej puas muaj poov tsuas yaam tsawg ib xyoo ib zag. Cov rooj ntawv huvqaab nuav yog tso tawm txug cov poov tsuas kws peb pum nyob huv koj cov dlej. Yog peb tau pum tas muaj poov tsuas tseb nua, tes yuav muaj nyob huv rooj ntawv nuav tsuas yog tsi qha nub twg xwb. Yog luas tsi sim poov tsuas tseb nua, tabsis tau sim pum le 5 xyoos taag lug, tes nwg yuav muaj nyob huv rooj ntawv huvqaab nuav nrug rua nub kws sim dlej.

**Kev Ntxuav Yaam Kws Dlhau Ua Tau Lwmyaam**

Poov Tsuas (cov pawg)	Thaaj chaw	MCL	MCLG	Pum Npaumcaag	Txij twg	Nub Sim (uantej 2016)	Txhum cai	Hom Poov Tsuas Dlaabtsi
HAA5 (ppb)	D-11	60	60	17	17		Tsi	Yog lug ntawm hom dlej chlorination
TTHM (ppb)	D-11	80	0	18.5	18.5		Tsi	Yog lug ntawm hom dlej chlorination
HAA5 (ppb)	D-16	60	60	15	15		Tsi	Yog lug ntawm hom dchlorination
TTHM (ppb)	D-16	80	0	27.9	27.9		Tsi	Yog lug ntawm hom dlej chlorination

**Poov Tsuas Inorganic**

Poov Tsuas (cov pawg)	Thaaj chaw	MCL	MCLG	Pum Npaumcaag	Txij twg	Nub Sim (uantej 2016)	Txhum Cai	Hom Poov Tsuas Dlaabtsi
BARIUM (ppm)		2	2	0.006	0.006 - 0.006	9/11/2014	Tsi	Tso cov lamtseem txhuav; Tso huv chaw nchuav txhuas; dlej kuav
FLUORIDE (ppm)		4	4	0.7	0.7 - 0.7	9/11/2014	Tsi	Dlej kuav; Tshuaj tov dlej kuas kaugnab khov; Tso cov kua chiv hab kujcuab nchuav hlau dlawb.
NICKEL (ppb)		100		0.5600	0.5400 - 0.5600	9/11/2014	Tsi	Cov Nickel yeej muaj nrug luaj aav, dlej tivtxwv, hab dlej ndlwg hab txeev siv hlau txhawb, hlau dlawb hab hlau tov uake.
NITRATE (NO3-N) (ppm)		10	10	0.49	0.41 - 0.49		Tsi	Dlej kua chiv ndlwg; kob khemis ndlwg tawm huv chaw txum quav zig, tej yaam dlej kuav lug
NITRITE		1	1	0.021	0.015 -	9/11/2014	Tsi	Dlej kua chiv ndlwg;

Poov Tsuas (cov pawg)	Thaaj chaw	MCL	MCLG	Pum Npaumcaag	Txij twg	Nub Sim (uantej 2016)	Txhum Cai	Hom Poov Tsuas Dlaabtsi
(N02-N) (ppm)					0.021			kob khemis ndlwg tawm huv chaw txum quav zig, tej yaam dlej kuav lug
SODIUM (ppm)		n/a	n/a	14.00	14.00	9/11/2014	Tsi	n/a - tsi muaj dlaabtsi

Poov Tsuas (cov pawg)	Ua Txij Twg (AL)	MC LG	Pum Txug 90 Feempua	# Muaj Lecaag	Nub Sim (uantej 2016)	Txhum cai	Hom Poov Tsuas Dlaabtsi
COPPER (ppm)	AL=1.3	1.3	0.0400	0 ntawm 30 qhov tshaaj le kom tseg.		Tsi	Dlej kuav khoom vaajtse; dlej kuav khoom luaj aav; dlej kuav kob khemis txhawb ntoo
LEAD (ppb)	AL=15	0	6.40	0 ntawm 30 qhov tshaaj le kom tseg.		Tsi	Dlej kuav khoom vaajtse; dlej kuav khoom luaj aav

#### Radioactive paa tsuas

Poov Tsuas (cov pawg)	Thaaj chaw	MCL	MCLG	Pum Npaumcaag	Txij twg	Nub Sim (uantej 2016)	Txhum cai	Hom Poov Tsuas Dlaabtsi
RADIUM, (226 + 228) (pCi/l)		5	0	0.8	0.5 - 0.8	9/11/2014	Tsi	Dlej kuav khoom luaj aav

#### Yaam Poov Tsuas Kws Tsi Muaj Kevcai Tswj

Yaam poov tsuas kws tsi muaj kevcai tswj yog cov kws EPA tsi tau teeb txuj cai tswj dlej haus rua. Lub homthawj saibxyuas yaam poov tsuas kws tsi muaj kevcai tswj yog paab EPA txavtxim tas muaj yaam poov tsuas kws tsi muaj kevcai tswj hab puas yuav tsa kevcai tswj lawm yaav pegsuab. EPA xwv kuas peb koomteg rua qhov nuav.

Poov Tsuas (cov pawg)	Pum Npaumcaag	Txij twg	Nub Sim (uantej 2016)
SULFATE (ppm)	9.20	8.90 - 9.20	9/11/2014

<b>Poov Tsuas (cov pawg)</b>	<b>Pum Npaumcaag</b>	<b>Txij twg</b>	<b>Nub Sim (uantej 2016)</b>
HEXAVALENT CHROMIUM (ppm)		0.10 -0.13	8/13/2015
CHLORATE (ppm)		300 - 320	8/13/2015
STRONTIUM (ppm)		66 - 69	8/13/2015
VANADIUM (ppm)		1.70 – 1.80	8/13/2015

**Lug Txhais:**

**Action Level (Ua Txij Twg) (AL)** – yog them kws qha tau tas muaj poov tsuas tshaaj le tau kom tseg lawm, es yuavtsum tau saibxyuas. Qhov yuav Ua Ntau Npaumtwg yog tshaabxu txug them 90 feempua rua cov tsev kws yuav muaj feem tsi zoo.

**Level 2 Assessment (Kev Sojntsuag Theem 2)** – Kev sojntsuag them 2 yog saibxyuas txug dlej kuas ntxawg kuas nrhav tau qhov yuav muaj teebmeej hab txavtxim txug feem yuav muaj kev txhum cai E. coli MCL lossis vim lecaag txhaj pum kaab mob coliform huv dlej, lossis ob qhov huvs, ua ob peb zag.

**Maximum Contaminant Level (Theem Kws Pub Muaj Poov Tsuas Sab Tshaajplawg) (MCL)** – yog them ca rua muaj poov tsuas nyob huv dlej haus.

**MCLG - Maximum Contaminant Level Goal (Homphaj Pub Muaj Poov Tsuas Sab Tshaajplawg) (MCLG)** yog them kws muaj poov tsuas nyob huv dlej haus qeg txug qhov kws tsi paub tas yuav ua teebmeem tau lecaag rua kev nojqaab nyobzoo.

**Parts Per Billion (Feem Ntawm Txheeb Plhom) (PPB)**- muaj ib txha dlej yog ntsuag lawv le tej pawg kws miv heev. Ib qhov PPB yog ib qhov mivmiv ntawm ib liv (ug/l) – Pev xaam le, ib feem ntawm txheeb plhom yog muaj le ob ncos dlej huv lub paagdlej kws muaj txug 15,000 gallons; lossis ib txoos feeb ntawm 31.7 xyoo, lossis thawj 16 ntiv ntawm ib ntsug kev moog rua sau lub hli.

**Parts Per Million (Feem Ntawm Plhom) (PPM)** Ib PPM muaj npaum le ib plhom ntawm ib liv (mg/l) – ib feem ntawm ib plhom yog muaj ¼ ntawm ib khob huv lub paagdlej kws muaj dlej txug 15,000 gallons, xaam le 1 feeb sijhawm huv 11.6 nub.

**Picocuries per liter (pCi/l)** – kev ntsuag cov kev uanum ntawm radioactivity

**ND**- Tsi pum muaj nyob huv dlej haus.

**TCR**- Total Coliform Rule (Txuj Cai Taagnrho Rua Coliform.

Lub Wausau Water Works Commission txeev sisntsib rua thawj lub Tuesday txhua lub hlis thaus 1:30 p.m. nyob huv City Hall (muaj qho yaam luas yuav ua rua lub sijhawm nuav)

Yog koj xaav paub ntxiv txug Wausau Water Works, caw tuaj koom nrug peb lub Commission le kev saablaaj tau. Yog koj muaj tej nqai lug xaav muab tso rua huv komtswj saablaaj kuas lub Commission tau coj lug thaam, tes hu tau rua Lori Wunch ntawm 715-261-6742 le ob lub limtam uantej lub rooj saablaaj yuav lug tom ntej.

Tej komtswj saablaaj hab cov ntawv teevlug saablaaj ua ntej lawd kuj muaj nyob rua huv nroog lub vaagsaab ntawm [www.ci.wausau.wi.us](http://www.ci.wausau.wi.us) .