



Ntawv Tshaabxu Txug Dlej Zoo Haus 2021

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 zejtsom paub.

Qhov zoo ntawm peb cov dlej haus zoo tshaaj le tsoomfww xeev hab tebchaws cov cai tau kom tseg. Dlain ntawv tshaabxu nuav muaj ntau yaam txheejxwm xwsle: 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 dlain 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 tej chaw ua laagluam kws Wausau Water Work txhuav dlej moog rua.

Txheejxwm 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).

Ibtxha 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 koj moog tua chemo, cov 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 nuav yuav tau moog thaam nrug kws khumob txug kev haus dlej. EPA/CDC muaj ntawv sau qha txug ntau yaam yuav ua rua yug muaj mob lug ntawm poov tsuas cryptosporidium hab lwmyaam poov tsuas (microbial) nyob ntawm Environmental Protection Agency tug xuvtooj has txug dlej huv ntawm (800-426-4791).

Txheejxwm Ua 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 ndlwg nrug dlej lug, hab tseem muaj lwmyaam poov tsuas kws lug ntawm tsaj lossis tuabneeg ua 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 txhuas, kws ndlwg nrug dlej zejzog, dlej 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 zig 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 ntim fwj tsuasyog muaj poov tsuas ntau npaum twg hab xwb, es txhajle tiv thaiiv tau lajmej pejxeem kev nojqaab nyobzoo.

Poov Tsuas Kev Nojqaab Nyobzoo

Poov txhuas – Cov moglab hab cov mivnyuas kws haus dlej muaj poov txhuas ntau tshaaj le qhov tsuam nrim lawm muaj cuabkaav tsi kheev hlub hab muaj teebmeem lujhlab rua saab laajlim tswvyim. Puab yuav muaj qho ntsiv teebmeem ncu tom ntej tom qaab hab kev kawm. Cov laug kws haus cov dlej nuav ntau xyoo lawm muaj feem muaj teebmeem raum lossis muaj ntshaav sab.

Lwmyaam Txheejxwm Ntxiv Txug Kev Nojqaab Nyobzoo

Yog muaj, tes cov poov txhua nce sab nuav yuav ua teebmeem luj rua kev nojqaab nyobzoo, tshwjxeeb yog rua cov quaspuy cev suabtub hab mivnyuas yau. Qhov muaj poov txhuas nyob huv dlej yog muaj lug ntawm cov kaig dlej hab kaav dlej huv tsev. Wausau Water Works muaj feemxyuam ua kuas muaj dlej zoo haus, tabsis tsi muaj feem tswj tej kaav dlej hab kaig dlej kws siv rua huv lub tsev. Yog tsi siv koj cov dlej huv tsev le ob peb txoos teev lawm, koj muaj cuabkaav txu poov txhuas lug ntawm kev tso dlej tawm le 30 txoosfeeb txug rua le 2 feeb uantej haus lossis siv dlej ua noj. Yog koj txhawj txug poov txhuas nyob huv koj le dlej, koj muaj cuabkaav sim koj cov dlej. Tej ntaub ntawv has txug poov txhuas nyob huv dlej haus, cov kev sim, hab yaam koj ua lug txu poov txhuas muaj nyob ntawm qhov Safe Drinking Water Hotline lossis huv lub vaagsaab 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 yaam poov tsuas tsebna. Luas tso cai rua peb ntsuag saib ib txha poov tsuas tsawg dlua le ib xyoos ib zag. Cov kem 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 tsebna, tes yuav muaj nyob huv cov kem ntawv nuav tsuas yog tsi qha nub twg xwb. Yog luas tsi ntsuag saib poov tsuas tsebna, tabsis tau sim pum le 5 xyoos taag lug, tes nwg yuav muaj nyob huv cov kem 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 (ua ntej 2021)	Txhum cai	Hom Poov Tsuas Dlaabtsi
HAA5 (ppb)	D-16	60	60	10	10		Tsi	Yog lug ntawm hom dlej chlorination
TTHM (ppb)	D-16	80	0	5.3	5.3		Tsi	Yog lug ntawm hom dlej chlorination
HAA5(ppb)	D-7	60	60	11	11		Tsi	Yog lug ntawm hom dlej chlorination
TTHM (ppb)	D-7	80	0	5.3	5.3		Tsi	Yog lug ntawm hom dlej chlorination

Poov Tsuas Inorganic

Poov Tsuas (cov pawg)	Thaaj chaw	MCL	MCLG	Pum Npaumcaag	Txij twg	Nub Sim (ua ntej 2021)	Txhum Cai	Hom Poov Tsuas Dlaabtsi
ARSENIC (ppb)		10	n/a	1	1	8/20/20	Tsi	Dlej kuav; Ndlwg ntawm tej teb txiv lug; Kua dlej nchuav cuabyeej ndlwg lug
BARIUM (ppm)		2	2	0.007	0.006 - 0.007	8/19/20	Tsi	Tso cov lamtseem txhuav; Tso huv chaw nchuav txhuas; dlej kuav
FLUORIDE (ppm)		4	4	0.5	0.4- 0.5	8/20/20	Tsi	Dlej kuav; Tshuaj tov dlej kuas kaugnav khov; Tso cov kua chiv hab kujcuab nchuav hlau dlawb.
NITRATE (NO3-N) (ppm)		10	10	0.94	0.54- 0.94		Tsi	Dlej kua chiv ndlwg; kob khemis ndlwg tawm huv chaw txum quav zig, tej yaam dlej kuav lug

Poov Tsuas (cov pawg)	Thaaj chaw	MCL	MCLG	Pum Npaumcaag	Txij twg	Nub Sim (ua ntej 2021)	Txhum Cai	Hom Poov Tsuas Dlaabtsi
NITRITE (NO ₂ -N) (ppm)		1	1	0.055	0.047-0.055	8/19/20	Tsi	Dlej kua chiv ndlwg; kob khemis ndlwg tawm huv chaw txum quav zig, tej yaam dlej kuav lug
SELENIUM (ppb)		50	50	1	0-1	8/20/20	Tsi	Kev tso tawm los ntawm roj av thiab cov chaw lim dej: yaig ntawm ntuj tso, tso tawm los ntawm cov khawb av
SODIUM (ppm)		n/a	n/a	18.00	17.00-18.00	8/20/20	Tsi	n/a

Poov Tsuas (cov pawg)	Ua Txij Twg (AL)	MC LG	Pum Txug 90 Feempua	# Muaj Lecaag	Nub Sim (ua ntej 2021)	Txhum cai	Hom Poov Tsuas Dlaabtsi
COPPER (ppm)	AL=1.3	1.3	0.0110	0 ntawm 30 qhov tshaaj le kom tseg.	7/13/20	Tsi	Dlej kuav khoom vaajtse; dlej kuav khoom luaj aav; dlej kuav kob khemis txhawb ntoo
LEAD (ppb)	AL=15	0	5.80	0 ntawm 30 qhov tshaaj le kom tseg.	7/2/20	Tsi	Dlej kuav khoom vaajtse; dlej kuav khoom luaj av

Radioactive paa tsuas

Poov Tsuas (cov pawg)	Thaaj chaw	MCL	MCLG	Pum Npaumcaag	Txij twg	Nub Sim (ua ntej 2021)	Txhum cai	Hom Poov Tsuas Dlaabtsi
RADIUM, (226 + 228) (pCi/l)		5	0	1.1	0.0 - 1.1	8/20/20	Tsi	Dlej kuav khoom luaj aav
GROSS ALPHA, EXCL. R & U (pCi/l)		15	0	1.0	0.1-1.0	8/19/20	Tsi	Dlej kuav khoom luaj aav

Synthetic Organic paa tsuas suav nrog tshuaj tua kab

Poov Tsuas (cov pawg)	Thaaj chaw	MCL	MCLG	Pum Npaumcaag	Txij twg	Nub Sim (ua ntej 2021)	Txhum cai	Hom Poov Tsuas Dlaabtsi
ATRAZINE (ppb)		3	3	0.0	0.0	8/20/20	Tsi	Dej ntws los ntawm kev siv tshuaj tua kab rau co qoob loo
HEXACHLOROCYCLOPENTADIENE (ppb)		50	50	0.0	0.0		Tsi	Dej ntws los ntawm kev siv tshuaj hauv hoobkas

Cov Khoom Paug Tsis Huv Rau Cov Dej uas nyob rau Theem Ua Rau Muaj Tau Teeb Meem Rau Txoj Kev Noj Qab Haus Huv los yog Theem Ua Rau Dej Tsw Phem

Cov npe teev (tables) nram qab no yog cov khoom paug tsis huv (contaminants) uas tau nrhiav pom nyob hauv koj cov dej uas muaj nyob rau Theem Ua Rau Muaj Tau Teeb Meem Rau Txoj Kev Noj Qab Haus Huv (Health Advisory Level, HAL) los yog Theem Ua Rau Dej Tsw Phem (Secondary Maximum Contaminant Level, SMCL), los yog ob qho tib si. Nws tsis muaj dab tsi txhaum cai rau ntawm qhov nrhiav pom cov khoom paug tsis huv rau cov dej uas siab dua Theem Ua Rau Muaj Tau Teeb Meem Rau Txoj Kev Noj Qab Haus Huv, Cov Qauv Kev Cai Siv Rau Cov Dej Hauv Av los yog Theem Ua Rau Dej Tsw Phem. Theem Ua Rau Dej Tsw Phem tsis yog them uas ua rau muaj kev txhawj xeeb txog txoj kev noj qab haus huv tab sis kuj muaj teeb meem rau qhov cov dej tsis qab, tsw, los yog muaj xim. Theem Ua Rau Muaj Tau Teeb Meem Rau Txoj Kev Noj Qab Haus Huv yog them uas cov khoom paug tsis huv muaj ntau nyob hauv cov dej uas yuav ua rau muaj mob tau.

Khoom Paug Tsis Huv (units)	Chaw	SMCL (ppm)	HAL (ppm)	Theem Nrhiav Pom	Thaj Tsam	Hnub Siv Ua Qauv (yog tias ua ntej 2021)	Cov Khoom Paug Tsis Huv Los Qhov Twg Los
ALUMINUM (ppm)		0.05	0.2	0.08	0.06 - 0.08	9/5/2017	Phwj/lim tawm los ntawm tej khoom xeeb txawm muaj ntuj tsim teb raug nyob hauv av
CHLORIDE (ppm)		250		28.00	23.00 - 28.00	9/6/2017	Phwj/lim tawm los ntawm tej khoom xeeb txawm muaj ntuj tsim teb raug nyob hauv av,

Khoom Paug Tsis Huv (units)	Chaw	SMCL (ppm)	HAL (ppm)	Theem Nrhiav Pom	Thaj Tsam	Hnub Siv Ua Qauv (yog tias ua ntej 2021)	Cov Khoom Paug Tsis Huv Los Qhov Twg Los
							ntsev tso rau kev tsheb, cov tshuaj tso kom dej txhob nyaum
MANGANESE (ppm)		0.05	0.3	0.02	0.01 - 0.02	9/5/2017	Lim tawm los ntawm tej khoom xeeb txawm muaj ntuj tsim teb raug nyob hauv av
SULFATE (ppm)		250		9.00	8.60 - 9.00	8/20/2020	Phwj/lim tawm los ntawm tej khoom xeeb txawm ntuj tsim teb raug nyob hauv av, tuam txhab tsim khoom tej khoom nkim pov tseg

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 (yog ua ntej 2021)
BROMIDE (ppb)	29.7615	29.344-30.179	1/8/2018 & 7/23/2018
HAA5 (ppb)	12.92975	9.049- 18.562	1/8/2018 & 7/23/2018
HAA6Br (ppb)	.44375	0- .697	1/8/2018 & 7/23/2018
HAA9 (ppb)	13.3735	9.049- 19.191	1/8/2018 & 7/23/2018
MANGANESE (ppb)	17.00525	1.616- 35.742	1/8/2018, 1/9/2018 & 7/23/2018
TOTAL ORGANIC CARBON (ppb)	5086.05	3956.1- 6191.7	1/8/2018 & 7/23/2018

Ua teeb meem rau txoj kev noj qab hauv huv thaum muaj cov khoom paug tsis huv uas muaj MCL cov kev ua tsis raws cai/muaj cov Action Level Exceedances ntau/SMCL exceedances ntau/HAL exceedances ntau

Cov Khoom Paug Tsis Huv	Ua Teeb Meem Rau Txoj Kev Noj Qab Haus Huv
ALUMINUM	Cov dej uas muaj cov aluminum nyob hauv siab dua qhov SMCL tsis muaj kev phom sij dab tsi rau txoj kev noj qab haus huv tab sis kuj ua rau cov dej tsis qab, tsw, los yog muaj xim.

Cov Lus Qhia Paub Ntxiv Txog Kev Noj Qab Haus Huv

Yog hais tias muaj nyob ntawd, cov hmoov txhuas (lead) uas muaj nyob rau theem siab yuav ua tau rau muaj teeb meem loj rau txoj kev noj qab haus huv, tshwj xeeb yog rau cov poj niam cev xeeb tub thiab cov me nyuam tseem yau. Cov hmoov txhuas nyob hauv cov dej haus feem ntau yog los ntawm tej khoom siv thiab tej cuab yeej uas muab siv xa dej los rau hauv tsev los yog tej raj hlau hauv tsev. Wausau Dej Ua Hauj Lwm (Wausau Waterworks) muaj lub luag hauj lwm tseem ceeb los muab kom tau cov dej haus zoo rau tsoom neeg sawv daws tab sis yuav tswj tsis tau qhov muab ntau yam cuab yeej los yog raj hlau los siv xa dej rau hauv lub tsev. Thaum koj cov dej los tauv nyob rau ib qhov chaw tau ntev ntau xuaj moos lawm, koj yuav tuaj yeem txo tau qhov yuav ua rau muaj cov hmoov txhuas ntau nyob hauv cov dej los ntawm qhov qhib koj tus kais dej kom ntev txog li 30 fiab (seconds) mus rau 2 feeb (minutes) ua ntej siv koj cov dej los haus los yog ua zaub mov noj. Yog koj txhawj xeeb txog cov hmoov txhuas hauv koj cov dej, tej zaum koj yuav tau ua ib qho kev kuaj koj cov dej. Muaj cov ntaub ntawv qhia txog cov hmoov txhuas nyob hauv dej, cov kev kuaj, thiab cov kauj ruam uas koj ua tau los txo qhov yuav raug tau tej hmoov txhua no kom muaj tsawg. Cov ntaub ntawv no muaj los ntawm Safe Drinking Water Hotline los yog nyob ntawm www.epa.gov/safewater/lead.

Lug Txhais:

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

Level 1 Assessment (Kev Sojntsuag Theem 1) – Kev sojntsuag theem 1 yog ib qhov kev kawm txug cov dlej seb puas pum muaj tej yaam yuav ua teebmeem hab txhajle paub tas, yog muaj, vim lecaag txhaj pum muaj cov kaab mob coliform huv peb cov dlej.

Level 2 Assessment (Kev Sojntsuag Theem 2) – Kev sojntsuag theem 2 yog saibxyuas txug dlej kuas ntxawg kuas nrhav tau qhov yuav muaj teebmeem 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 theem ca rua muaj poov tsuas nyob huv dlej haus.

MCLG - Maximum Contaminant Level Goal (Homphaj Pub Muaj Poov Tsuas Sab Tshaajplawg) (MCLG) yog theem 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 xam 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 ncuav 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 $\frac{1}{4}$ ntawm ib khob huv lub paagdlej kws muaj dlej txug 15,000 gallons, xam 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 yuav tsi ua los tau)

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 koj lug thaam, tes hu tau rua Michelle Weasler ntawm 715-261-7289 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 .