

Lub Nroog Merced Daim Ntawv Fi Xov

Txog Cov Dej Huv Zoo Xyoo 2022

Tau muaj kev sib koom tes nrog lub Lav California Water Resources Control Board—Division of Drinking Water npaj Daim Ntawv Fi Xov Txog Cov Dej Huv Zoo no thiab muaj tej yam tseem ceeb txog Lub Nroog Merced cov dej haus, kev kuaj cov dej, thiab kev xa dej haus rau txhua lub tsev. Nram qab no muaj lus piav txog Kev Kuaj Ntsuam Xyuas Merced cov dej haus xyoo 2022. Nws yog ib qho tseem ceeb rau koj nyeem cov lus hais txog cov dej haus huv los ntwam U.S. Environmental Protection Agency (US EPA) thiab los ntwam koj Lub Nroog Merced Water Division.

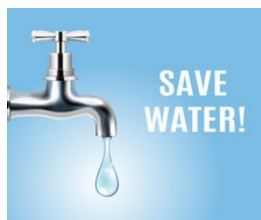
Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

Daim ntawv tshaj tawm no muaj lus tseem ceeb txog koj cov dej haus. Muab txhais losyog nrog ib tug neeg uas paub txog daim ntawv fi xov no sib tham.



HLAU TXHUAS NYOB HAUV COV KAV DEJ HAUV TSEV

Yog muaj, cov hlau txhuas (lead) yuav ua rau muaj kev mob loj, kuj yog rau tej poj niam xeeb tub thiab tej menyuum mos. Tej hlau txhuas nyob rau dej haus yog los ntwam tej khoom thiab tej yam neeg siv ua vaj tse li yog tej kav dej loj xa dej tuaj thiab cov kav dej hauv tsev. Peb yuav tsum muaj tej dej haus ua huv tshaj, tab sis peb tswj tsis tau tej khoom sib txawv ua luag siv ua kav dej. Thaum koj tej dej nyob ntev li ob peb xuab moos, koj yuav tso cov dej khiav li 30 lij feeb txog rau 2 nas thiv ua ntej yuav ce cov dej los haus los sis ua zaub mov. Yog koj txhawj txog dej muaj hlau txhuas, koj yuav tsum koj cov dej mus kuaj. Xav paub ntiv rau dej muaj hlau txhuas, kev ntsuam xyuas, thiab lwm yam koj xav kom koj tsis txhob ntsib hais txog kev haus dej hu Safe Drinking Water Hotline tus xov toj ntwam (800) 426-4791 lossis saib www.epa.gov/lead.



LUB NROOG MERCED TXAIS DEJ HAUS QHOV TWG LOS?

Lub Nroog Merced txais cov dej haus los ntwam 21 lub qhov tshij nyob thooob plaws hauv lub nroog. Cov qhov tshij no nqug dej hauv av los ntwam lub Merced Groundwater Subbasin. Txhua qhov tshij dej nqus tau tshaj 1,500 nkas loos (gallons) bxhua ib nas thiv (minute). Xam tag nrho cov raj dej ntev tshaj 500 miles, muaj tshaj 25,000 qhov ciav dej sib txuas, muaj ze li ntwam 3,000 ciav dej tua hluav taws (fire hydrants) thiab muaj thaj tsam li 25,000 qhov ntsuas dej, 7,000 qhov qhib thiab kaw cov raj dej loj (main line valves) thiab muaj tshaj 2,300 qhov thaviv dej kom txhob los rov qab hauv cov ciav dej (backflow devices). Thaum xyoo 2022 cov qhov tshij dej no nqus 6.6 billion nkas loos dej xa rau pej xeeb, koom haum, thiab chaw ua laj ua luam.

‘ou lox fi lwejn wlap
lamj soj qnb lwatw nps l’itn qnl gntx pab wox

LUB TSHUAB YEEM NTSUAS KEV SIV DEJ (WATER METER) ZOO LI CAS?

Feem coob ntwam cov chaw nyob muaj ib lub tshuab yeem ntsuas (1st meter) kev siv dej. Lub hauv paus yeem ntsuas (base rate) muaj dej npaum li 20 Hundred Cubic Feet (HCF) rau txhua lub hlis; uas yog 14,960 nkas loos (gallons). Feem coob ntwam cov neeg nyob hauv ib lub tsev siv dej tsawg dua thaum tej lub hlis tsis ywg dej rau tej tsob ntoo thiab tej zaub. Thov nco ntsoov hais tias lub caij nyoog no tsis muaj dej txaus, ces ywg dej raws li daim ntawv tso cai ywg dej. Koj nrhiav tau daim ntawv qhia ywg dej mus saib www.cityofmerced.org.

TAWM TSWV YIM TXUAG DEJ

*Siv lub tsuag dej thaum ntxuav tshab *Tsis txhob tsuag dej ntxuav chaw pua nres tshab losyog txoj kev taug kev, muab khaub ruab cheb *Kaw dej thaum txuam hniav losyog chais hwj txwv *Siv lub taub hau da dej thiab roj tawm roj uas siv dej tsawg *Uas raws nram li Lub Nroog Merced daim ntawv Tso Cai Ywg Dej *Kho cov tsuag dej uas xau dej sai li sai tau *Xyuas cov tsuag dej caw moos, seb puas ywg dej ntev zog thiab ywg dej raws li hnuv thiab sij hawm uas yog lawm *Kaw cov tsuag dej thaum caij ntuj no thiab thaum los nag *Xee npe kom txais EyeOnWater.

Cia li ua peb txoj hauj lwm kom [Txuag dej rau yav pem suab!](http://www.cityofmerced.org)

KUAJ XYUAS COV QHOV TSHIJ DEJ

Muaj kev tshuaj ntsuam xyuas cov qhov tshij dej haus hauv lub nroog Merced no tiav tag rau thaum lub Peb Hlis Xyoo 2003. Luag tau pom hais tias cov qhov tshij dej haus yuav muaj cov dej tsis huv ntwam los paug tau ntau tshaj rau ntwam cov chaw hauv qab no los: Cov chaw muag roj luv fai (tam sis no thiab yav dhau los), cov chaw ntiav ntxhua khaub ncaws (dry cleaners), cov hauv paus paub tias muaj tog paug, cov rhawv teem roj hauv qab thu av xau, cov raj hlau cais dej phem tawm, cov raj hlau cais chemical/roj, chiv, tshuaj tua kab/tua nroj, tso dej nyab liaj-nyab teb, tua tshuaj rau hauv liaj-teb, chaw yug tsiaj, cov qhov quav-qhov zis puab tau nyias nyias, thiab cov qhov tshij dej nqus los nyab teb ua noj ua haus. Ib daim qauv ntawv tshaj xo hais txog qhov tshuaj ntsuam xyuas cov dej haus no luag ua tau tiav tag luam tawm muaj nyob rau hauv Public Works Department, City of Merced, 1776 Grogan Avenue, Merced, CA 95340. Koj muaj cai thov daim ntawv qhia lub ntsiab lus txog daim fi xov no cia li tiv toj lub Administration Office ntwam (209) 385-6800.



MERCED COV DEJ HAUS PUAS ZOO?

NWS ZOO LOS MASI! Lub Nroog Merced zoo siab tshaj tawm dua ib zaug ntiv hais tias koj cov dej haus ntsib losyog mus dhau tag nrho Tseem Fwv Loj US EPA thiab Lub Lav cov txheej txheem kuaj dej haus. Lub Nroog Merced Water Department ua hauj lwm txhua txhua hnuv kom cov dej haus uas peb xa tuaj rau peb cov pej xeeb yog cov dej haus zoo tshaj plaws. Yuav kom ntsib Tseem Hwv Loj thiab Lub Lav cov txheej txheem rau cov dej haus, peb cov neeg ua hauj lwm *tas mus li* saib xyuas cov dej haus. Thaum xyoo 2022, peb tau kuaj seb puas muaj tshaj li 250 yam tog paug cov dej haus thiab tau muab tshaj li ntwam 4,000 qhov dej sim qhov txhia chaws koj mus kuaj (qhia txog yam nrhiav tau nyob hauv daim fi xov no). Yog koj muaj lus nug txog koj cov dej haus losyog yam muaj nyob hauv daim fi xov no, thov hu xov toj rau lub Water Division ntwam 385-6800.

KEV TOV TSHUAJ TUA KAB MOB XYAW DEJ HAUS YOG DAB TSI (CHLORINATION)?

Chlorination yog txoj kev tov tshuaj xyaw cov dej tua kab mob hauv cov dej haus. Muaj ob peb yam sib txawv siv tov tshuaj chlorine xyaw cov dej haus kom cov dej tsis muaj kab mob. Cov tshuaj chlorine muaj ob peb yam xws li cov nkas compressed elemental gas, cov kua sodium hypochlorite losyog tshuaj khov calcium hypochlorite. Txawm cov tshuaj no muaj zog heev yog noj ntau ntau, thaum muab tov xyaws cov dej haus mas cov tshuaj ncig thooob plaws xyaws cov dej haus tua tau cov kab mob tab sis tsis ua li cas rau cov neeg haus. Haus tau cov dej uas muaj tshuaj chlorine mus txij li 4 milligrams hauv ib liter (mg/L losyog 4 parts per million (ppm)). Xav paub ntiv mus saib lub Center for Disease Control and Prevention website @ www.cdcfoundation.org.

EYEONWATER.COM PUB DAWB!

Txoj kev to taub txog koj txoj kev siv dej yog ib yam tseem ceeb ntwam txoj kev txuag dej. EyeOnWater yog ib yam cuab yeej rau cov pej xeeb siv hauv Lub Nroog Merced saib xyuas lawv txoj kev siv dej nyob saum lawv lub desktop losyog lub xov toj ntwam tes. EyeOnWater txawj pom qhov xau dej (thiab txawj xa xov qhia dej xau lawm), yuav pab cov neeg yuav dej kom to taub txog lawv txoj kev siv dej, thiab pab kom paub seb lawv siv dej zoo li cas. Cov neeg yuav dej muaj cai xee npe cia li mus xyuas www.eyewater.com/signup.

Xav tau ib daig ntwam fi xov no thov mus xyuas peb daim website ntwam:

www.CityofMerced.org/waterreport

hu xov toj (209) 385-6800 'es peb mam li xa daim ntawv fi xov tuaj rau koj



KEV TOV TSHUAJ XYAW DEJ KOM HNIAV KHOV (FLUORIDE)

Peb tej dej haus muaj kev tov tshuaj xyaw dej kom hniav khov tiv thaviv kab txhob noj hniav. Kev cai lij choj ntwam Lub Lav tseem kom muaj tshuaj kom hniav khov tov xyaw cov dej haus qhov zoo tshaj yog 0.70ppm (parts per million). Peb txoj kev kuaj dej haus xyoo 2022 qhia tias muaj tshuaj kom hniav khov tov xyaw dej qhov tsawg nkaus yog 0.18ppm mus rau qhov ntau tshaj yog 1.00ppm 'es qhov nruab nruab yog 0.69ppm. Xav paub ntiv txog cov tshuaj kom hniav khov, kev noj qab haus huv ntwam lub qhov ncauj, thiab lwm yam xov xwm mus saib: www.waterboards.ca.gov/drinking_water/certification/drinkingwater/Fluoridation.shtml.

TXOJ CAI LIJ CHOJ TIV THAVIV COJ DEJ HAUS

Tseem Fwv loj tau sau Txoj Cai Lij Choj Tiv Thaviv Cov Dej Haus (Safe Drinking Water Act losyog SDWA) thaum xyoo 1974 kom tiv thaviv cov pej xeeb kev noj qab nyob zoo los ntwam kev tswj xyuas lub teb chaws cov dej haus. Txoj cai SWDA no tso cai rau lub United States Environmental Protection Agency (US EPA) tsim tsa cov txheej txheem pub muaj tog paug ntau tshaj tiv thaviv cov dej haus kom tsis muaj tej yam tog phem uas ntiav teb tsim losyog tib neeg tsim nyob hauv cov dej haus. Lub US EPA, Cov Lav, thiab cov koom haum ua dej haus kuj sib koom tes ua hauj lwm ua ke kom ua raws li cov txheej txheem no. Cov txheej txheem National Primary Drinking Water Regulations no tsim tsa qhov pub muaj cov tog paug siab tshaj plaws, qhov yuav tsum muab cov dej lim ntau npaum li cas thiaj li pub haus, qhov kev kuaj xyuas thiab sim cov dej haus seb puas muaj tog paug, thiab qhov yuav tsum fi xov qhia txog yam kuaj nrhiav tau lawm.

COV TOG PAUG UAS YUAV MUAJ NYOB HAUV KOJ COV DEJ HAUS

Cov dej haus (tus ciav dej thiab dej hauv hwj) los ntwam cov dej loj, dej pas zaj, tej me nyuam kwj deg, me nyuam pas dej, dej teem hauv pas dej (reservoirs), tej qhov dej txhawv thiab tej qhov tshij uas nqus hauv qab thu av los tag huv tib si. Xyuas raws li qhov uas cov dej ntwam mus saum npoo av losyog ntwam mus hauv av, tha mab das cov dej yuav mus ntub tej nyuag hmoov zeb-hmoov hlau yaj ua dej thiab muaj tej zaum yuav yog tej yam khoom muaj radioactive. Cov dej uas ntwam ntawd yuav ntwam mus xyaw rau tej yam uas yog tsiaj ua, yog neeg ua. Yuav kom paub tau meej meej tias cov dej los ntwam cov ciav dej los huv haus tau, lub U.S. Environmental Protection Agency (U.S. EPA) thiab lub State Water Resource Control Board (State Board) tswj txoj cai teev qhia thiab tso cov tog paug hauv cov dej uas tso rau pej xeeb siv. State Board no tseem tswj txoj cai tso cov tog paug hauv cov hwj dej haus los tiv thaviv tau tib hom mob hais ntawd rau kuj cuab sawv daws. Cov dej haus, xam cov dej hauv lam hwj rau thiab tej zaum yuav muaj me me tog paug nyob rau hauv. Muaj me ntsis tog paug nyob hauv dej tsis tau txhais tias cov dej ntawd haus yuav ua kom muaj mob. Xav tau cov xov hais txog tog paug thiab tej yam muaj peev xwm ua kom muaj mob hu xov toj rau U.S. EPA li Safe Drinking Water Hotline ntwam (800) 426-4791.

YAM TSEEM CEEB QHIA TXOG KEV NOJ QAB HAUV HUV

Muaj qee leej uas muaj mob es lub cev tsis txawj tiv thaviv cov tog paug nyob hauv cov dej haus. Cov neeg no uas muaj mob xws li mob cancer thiab tab tom txais tshuaj chemotherapy, cov neeg uas tau phais pauv raum plawv losyog ntsws, cov neeg uas mob HIV/AIDS losyog lwm yam kev mob uas luv cev tsis txawj tiv thaviv kab mob kev nkeeg, cov laus thiab cov me nyuam mos liab, cov neeg no haj yam txawj muaj mob los ntwam cov tog paug hauv cov dej haus. Cov neeg no yuav tau nrhiav tswv yim hais txog cov dej haus los ntwam lawv cov kws kho mob. Lub US EPA/Centers for Disease Control and Prevention (CDC) muaj lus thiab ntaub ntawv qhia txog cov txheej txheem tiv thaviv tej kab mob xws li Cryptosporidium thiab lwm yam kab mob cia li hu tuaj rau Safe Drinking Water Hotline ntwam tus xov toj (800) 426-4791.

QHIA TXOG YAM NRHIAV TAU LAWM Cov kem hauv qab no teev tag nrho cov dej haus muaj tog paug nrhiav tau raws li Lub Lav tus txheej txheem ntsuas dej haus. Qhov muaj cov tog paug hauv cov dej haus tsis tau txhais hais tias cov dej haus no yuav ua kom muaj mob. Tsuas ntshaj hais tias ho tau teev ua lwm yam lawm xwb, cov leeb pov thawj hauv cov kem hauv qab no yog tau raws li qhov kuaj tau cov dej haus tiav txij hnuv tim 1 lub lb Hlis txog hnuv tim 31 lub Kaum Ob Hlis xyoo 2022. Lub Lav txoj cai teev cia kom kuaj xyuas qee hom tog paug tsawg dua ib zaug ib xyoo vim xyoo twg cov tog paug no tsis hloov ntau pes tsawg. Thaum muaj li no, muaj cov leeb pov thawj qhia qhov huv ntwam cov dej haus uas kuaj zaum tag, thiab qhia xyoo seb yog xyoo twg. Yog muaj lus nug txog kev kuaj tog paug hauv cov dej, thov hu xov tooj (209) 385-6800 losyog mus xyuas www.epa.gov.

TXHEEJ TXHEEM TSWJ COV TOG PAUG HAUV DEJ HAUS: Cov txheej txheem thiab kev tiv thaiv cov tog paug hauv cov dej haus kom pej xeem noj qab haus huv. Tau teem lub sij hawm tseg kom kuaj cov tog paug hauv dej haus thaum xyoo 2023.

HOM TWG (TUS TXHEEJ TXHEEM NTSUAS)	KUAJ XYOO TWG	QHOV PUB MUAJ SIAB TSHAJ PLAWS (MCL)	DAIM HOM PHIAJ TXO TOG PAUG	NHRIAV POM PES TSAWG QHOV NRUIAB NRAB	TAU QHOV QIS MUS RAI QHOV SIAB: QIS-SIAB	TXHAUM TXOJ CAI	LUB HAUV PAUS SIB KIS TAUS THA MAB DAS
Arsenic¹ (ppb)	2022	10	0.004	3.5	ND - 7.7	TSIS YOG	Yog cov dej ntwms mus ntub tej nyuag hmoov zeb-hmoov hlau yaj ua dej; dej ntwms los ntawm tej bxiv hntab bxiv ntoo; dej ntwms los ntawm cov khib nyiab iav thiab tshuab ua hluav taws xob.
Hlau Barium (ppm)	2022	1	2	0.21	0.07 - 0.47	TSIS YOG	Yog cov dej ntwms los ntawm cov qhov av uas neeg tho roj tob tob; dej ntwms los ntawm qhov chaw ntxuas hlau; dej mus ntub tej nyuag hmoov zeb-hmoov hlau yaj ua dej.
Chlorine (ppm)	2022	[4.0 (xws li Cl2)]	[4 (xws li Cl2)]	0.71	0.28 - 1.04	TSIS YOG	Tov tshuaj tua kab mob kho cov dej haus.
Chromium [Tag nrho] (ppm)	2022	50	(100)	0.99	ND - 16	TSIS YOG	Yog cov dej ntwms los ntawm cov chaw ua hlau (steel mills) thiab ua ntawv (pulp mills) thiab ua hlau ci (chrome plating); yog cov dej ntwms mus ntub tej nyuag hmoov zeb-hmoov hlau yaj ua dej
Fluoride (ppm)	2022	2	1	0.11	ND - 0.18	TSIS YOG	Cov dej mus ntub tej nyuag hmoov zeb-hmoov hlau; tshuaj tov xyaw dej kom hniav khov, dej ntwms ntawm qhov chaw ua chiv thiab ua ntawv pej chum.
Kev kuaj Gross Alpha Particle Activity (pCi/L)	2017/2022	15	(0)	2.6	ND - 9.2	TSIS YOG	Cov dej mus ntub tej nyuag hmoov zeb-hmoov hlau uas ntuj ua.
Gross Beta Particle Activity² (pCi/L)	2017/2022	50	(0)	6.1	ND - 11	TSIS YOG	Kev lwj ntawm tej nyuag hmoov zeb-hmoov hlau uas ntuj thiab neeg ua
Hlau Radium 226 (Ra 226) (pCi/L)	2022	5	0.05	0.01	ND - .11	TSIS YOG	Cov dej mus ntub tej nyuag hmoov zeb-hmoov hlau uas ntuj ua.
Nitrate³ (xws li N) (ppm)	2022	10	10	2.4	0.93 - 5.0	TSIS YOG	Dej kuav thiab xau los ntawm cov chiv ua siv, xau los ntawm cov thoob rau tshuaj thiab tej dej tsis huv; cov dej mus ntub tej nyuag hmoov zeb-hmoov hlau yaj ua dej.
Tetrachloroethylene [PCE]⁴ (ppb)	2022	5	0.06	0.26	ND - 2.2	TSIS YOG	Yog cov dej ntwms los ntawm cov chaw ua laj ua kam, chaw ntxhua khaub ncaws, thiab chaw kho tshab (tshuaj ntxuav hlau)
Tag nrho cov Trihalomethanes [TTHM] (ug/L)	2022	80	N/A	0.25	ND - 1.0	TSIS YOG	Los ntawm cov tshuaj tua paug tov xyaw coj dej haus
Hlau Uranium (ppb)	2022	20	0.43	2.07	ND - 8.7	TSIS YOG	Cov dej mus ntub tej nyuag hmoov zeb-hmoov hlau uas ntuj ua

YAM TOG PAUG HAUV DEJ HAUS THEEM OB: Cov txheej txheem uas tsis muaj cai khoo hais txog cov tog paug uas tej zaum yuav ua kom tsis zoo saib (cosmetic losyog aesthetic). *Tsis muaj cov PHGs, MCLGs, losyog txheej txheem uas muaj cai khoo vim hais tias qhov pub muaj siab tshaj MCLs no yog tim qhov tsis zoo siab xwb (aesthetic concerns).

HOM TWG (TUS TXHEEJ TXHEEM NTSUAS)	KUAJ XYOO TWG	QHOV PUB MUAJ SIAB TSHAJ PLAWS (MCL)	DAIM HOM PHIAJ TXO TOG PAUG	NHRIAV POM PES TSAWG QHOV NRUIAB NRAB	TAU QHOV QIS MUS RAI QHOV SIAB: QIS-SIAB	TXHAUM TXOJ CAI	LUB HAUV PAUS SIB KIS TAUS THA MAB DAS
Chloride (ppm)	2022	500	NS	8.5	3.1 - 15	TSIS YOG	Dej kuav/lim ntawm tej nyuag hmoov zeb-hmoov hlau uas ntuj tsim los; dej ntwms ntawm cov dej hiav bww
Color	2022	15	NS	4.7	ND - 10	TSIS YOG	Tej nyuag hmoov zeb-hmoov hlau yaj ua dej ua ntuj ua
Tooj liab / Copper (mg/L)	2022	1.0	NS	0.30	ND -- 0.0065	TSIS YOG	Cov kav dej vaj tse khub thiab xeb hauv; cov dej mus ntub tej nyuag hmoov zeb-hmoov hlau yaj ua dej.
Kev Xeb corrosivity⁵ (Pes Tsawg)	2022	Tsis Xeb	NS	12	11 - 13	TSIS YOG	Yog cov dej uas ntuj tsim losyog los ntawm tej tshav ua khoom siv ua sib tov nrog hydrogen, carbon, thiab oxygen; txawj hloov mus fivoov los tim qhov kub bias thiab lwm yam
Tsw Ntxhiab—Txheej Txheem	2022	3Qhov	NS	0.05	ND - 1.0	TSIS YOG	Kev lwj ntawm tej nyuag hmoov zeb-hmoov hlau uas ntuj thiab neeg ua
pH, Laboratory	2022	6.5 - 8.5	NS	8.0	7.6 - 8.2	TSIS YOG	Cov pH tsawg lawm: qab iab li hlau, xeb. Cov pH siab lawm: hnov nplua nplua, qab li ntsev soda; khub khub
Sulfate (ppm)	2022	500	NS	8.9	2.1 - 12	TSIS YOG	Dej kuav/lim ntawm tej nyuag hmoov zeb-hmoov hlau uas ntuj tsim los; dej tso ntawm tej tshav ua khoom siv
Specific Conductance (µS/cm)	2022	1600	NS	350	170 - 640	TSIS YOG	Yam uas tsim ions thaum nyob hauv dej; dej hiav bww raug
Tag nrho tej nyuag hmoov zeb-hmoov hlau yaj ua dej (ppm)	2022	1000	NS	248	150 - 400	TSIS YOG	Dej kuav/lim ntawm tej nyuag hmoov zeb-hmoov hlau uas ntuj tsim los
Qhov ntshiab ntawm cov dej (NTU)	2022	5 Units	NS	0.28	ND - 1.6	TSIS YOG	Dej kuav ntawm av los

Tau kuaj dej hauv cov ciav dej hauv tej lub tsev uas ntsib cov txheej txheem kuaj nyob hauv lub nroog cov ciaj ciam teb seb puas muaj hmoov hlau txhuas thiab tooj. Txoj kev kuaj Hmoov Hlau thiab Tooj tau teem rau xyoo 2024 tom ntej no.

HOM TWG (TUS TXHEEJ TXHEEM NTSUAS)	KUAJ XYOO TWG	AL	PHG (MCLG)	NHRIAV POM PES TSAWG QHOV NRUIAB NRAB (90-FEEM PUIA ROV SAUD)	COV CHAW TSHAJ QHOV AL/PES TSAWG QHOV CHAW TAG NRHO	TXHAUM TXOJ CAI	LUB HAUV PAUS SIB KIS TAUS THA MAB DAS
Tooj liab (ppm)	2021	1.3	0.3	0.16	0/31	TSIS YOG	Cov kav dej vaj tse khub thiab xeb hauv; cov dej mus ntub tej nyuag hmoov zeb-hmoov hlau yaj ua dej; lim ntawm cov tshuaj txuag ntoo
Hlau Txhuas (ppb)	2021	15	0.2	ND	0/31	TSIS YOG	Cov kav dej vaj tse khub thiab xeb hauv; dej tso ntawm tej tshav ua khoom siv; cov dej mus ntub tej nyuag hmoov zeb-hmoov hlau yaj ua dej

LWM YAM			
HOM TWG (TUS TXHEEJ TXHEEM NTSUAS)	KUAJ XYOO TWG	NRHIAV POM NPAUM TWG	TAU QHOV QIS MUS RAI QHOV SIAB: QIS-SIAB
Dej iab (Alkalinity)—Tag nrho cov Ca CO₂	2022	140	66 - 290
Bromide (ppb)	2018	70	24 - 170
Calcium (ppm)	2022	28.4	12 - 60
Qhov tawv (Tag Nrho) xws li CaCO₃ (ppm)	2022	114	62 - 260
Hexavalent Chromium (ppb)	2022	3.3	0.49 - 4.7
Hlau Magnesium (ppm)	2022	10.6	4.6 - 22
**Kua qaob Perfluorooctanoic Acid (PFOA) (ng/L)	2019	0.11	ND - 1.6
**Kua qaob Perfluorooctanesulfonic Acid (PFOS) (ng/L)	2019	0.14	ND - 1.3
Hlau Potassium (ppm)	2022	6.6	3 - 12
Ntsev Sodium (ppm)	2022	24	13- 36
Toluidine (ppb)	2018	0.0019	ND - .034

- 1) Tshawb pom tog paug arsenic nyob ntawm chaw tshij dej ob (Well Site 2) rau tag nrho 3 lub qhov tshij ntawd sib tov los ntsuas yog MCL ntawm 10 ppb. Tag nrho lwm cov tshij dej nyob qis dua qhov MCL. Koj cov dej haus ntsib tseem fiwv thiab lub lav cov txheej txheem tswj cov tog paug arsenic, tab sis mas nws muaj tog paug arsenic tsawg tsawg hauv. Tus txheej txheem rau cov tog paug arsenic kuj piv losyog luj qhov uas nws txawj kis kab mob piv rau tus nqi li cas thiaj tshem tau cov tog paug arsenic tawm ntawm cov dej haus. Lub U.S. Environmental Protection Agency tseem tshawb nrhiav thiab kawm ntiv txog cov tog paug arsenic uas txawj ua rau tib neeg muaj mob cancer yog raug ntau thiab txawj raug daim tawv nqaij puas (skin damage) thiab roj ntsha khiaiv tsis zoo (circulatory problems).
 - 2) 50 pCi/L thiaj yog tus txheej txheem kuaj txog cov ntsiab Gross Beta Particle Activity.
 - 3) Muaj tog paug nitrate hauv cov dej haus siab tshaj 10 mg/L yog ib qhov phom sij rau menyuum mos hnuv nyooog 6 hli rov los hauv. Cov tog paug nitrate siab npaum no txawj kis rau tus menyuum mos cov roj ntsha khiaiv tsis zoo, ua kom mob sab heev; yam mob tshwm sim li ua tsis taus pa thiab daim tawv nqaij xiav xiav. Muaj tog paug nitrate siab tshaj 10 mg/L yog ib qhov phom sij kom cov roj ntsha khiaiv tsis zoo rau cov poj niam xeeb menyuum thiab cov neeg muaj roj ntsha tsawg (enzyme deficiency). Yog hais tias koj muaj menyuum mos losyog xeeb menyuum, koj yuav tsum thov koj tus kws kho mob tawm tswv yim rau koj.
 - 4) Koj cov dej haus ntsib tseem fiwv loj thiab lub lav cov txheej txheem tswj cov tog paug, tab sis mas tej zaus nws muaj tog paug tsawg dua li yuav tshawb taus thiab tsawg dua tus Regulatory Action Level. Tus txheej txheem rau cov tog paug PCE thiab TCE kuj piv losyog luj qhov uas nws txawj kis kab mob piv rau tus nqi li cas thiaj tshem tau cov tog paug arsenic tawm ntawm cov dej haus. Lub U.S. Environmental Protection Agency tseem tshawb nrhiav thiab kawm ntiv txog kev raug cov tog paug PCE thiab TCE tsawg tsawg (low levels). Kuaj tsis pom cov TCE siab dua tus txheej txheem Detection Limit (DLR) rau xyoo 2022.
 - 5) Kev xeb (corrosivity) tsis yog ib yam uas tus txheej txheem National Environmental Laboratory Accreditation Program kuaj los tshawb. Txhua yam kev tshawb thiab kuaj no xam tus nruab nrab ntawm 21 lub qhov tshij dej.
 - 6) Kev kuaj tog paug hauv cov dej thiab fi xov (UCMR) pab kom U.S. EPA thiab Lub Lav State Water Resources Control Board paub hais tias cov tog paug nyob hauv cov dej qhov twg thiab paub seb puas tsim nyog los tswj cov tog paug ntawd. Kuaj txog tej yam tog paug hauv cov dej haus bxhua 3-5 xyooos.
- * Tus txheej txheem tshaj tawm qhia txog thaum Lub Xya Hli Ntuj, Xyoo 2018 rau PFOA yog 14 ng/L thiab rau PFOS yog 13 ng/L tau muab bto tseg (superseded) thaum Lub Yim Hli Ntuj, Hnuv tim 22, Xyoo 2019, muaj tus txheej txheem tshaj tawm qhia txog tshiaj yog 5.1 ng/L rau PFOA thiab 6.5 ng/L rau PFOS.

Kev Ntsuas thiab kev ua piv bwxv:
Yuav pab koj nkag siab txog kev ntsuas cov tog paug thiab tshawb pom ntau npaum li cas (piv bwxv: ppm, ppb, mg/L) thov saib daim ntawv nram qab no. Yog koj muaj lus nug, hu xov tooj rau lub Water Department ntawm (209) 385-6800. Daim ntawv qhia no yog muab los ntawm Lub Lav Rooj Tswj Cov Dej – Qhov Chaw Saib Cov Dej Haus (State Water Board – Division of Drinking Water).

Kev Ntsuas		Piv Txwv	
mg/L - milligrams per liter	= ppm - parts per million	= 1 vib nas this (second) hauv 11.5 hnuv	
ug/L - micrograms per liter	= ppb - parts per billion	= 1 vib nas this (second) hauv yuav luag 32 xyooos	
ng/L - nanograms per liter	= ppt - parts per trillion	= 1 vib nas this (second) hauv yuav luag 32,000 xyoo	

Cov tog paug uas yuav muaj taus nyob rau hauv cov qhov dej muaj:
Cov tog paug **microbial contaminants** zoo xws li cov kab mob *viruses* thiab kab mob *bacteria* uas txawm los ntawm qhov chaw lim dej tsis huv los, lub qhov av teem quav-teem zis, chaw yug tsiaj nyeg, thiab cov tsiaj qus;

Cov tog paug **inorganic contaminants** zoo xws li ntsev thiab hlau uas nws txawm muaj nws losyog nag xob cua kuav hauv nroog los, cov dej siv hauv tej tshav ua khoom siv, dej siv hauv vaj hauv tsev, chaw ua roj thiab ua nkev, chaw khawb kub-khawb hlau, losyog chaw ua liaj ua teb;

Tshuaj tua kab **pesticides** thiab tshuaj nroj **herbicides**, tej zaum los ntawm ntau ntau qhov chaw los zoo xws li hauv tej liaj tej teb, nag xob nag cua kuav hauv nroog los, thiab ntwms hauv tej vaj tej tsev los;

Tog paug **organic chemical contaminants**, xam nyob rau hauv muaj cov *synthetic* (neeg ua) thiab cov *volatile organic chemicals* (khes miv kaum ya taus), uas txawm los ntawm cov tshav ua khoom siv thiab chaw lim roj, thiab tej zaum tseem los ntawm cov chaw muag roj, nag xob nag cua kuav hauv nroog los, lub qhov av teem quav-teem zis;

Tog paug **radioactive contaminants**, tej zaum yog ntuj ua losyog los ntawm chaw ua roj thiab ua nkev, thiab los ntawm chaw khawb kub-khawb hlau.

TXHAIS LUB NTSIAB LUS
AL (Action Level - Regulatory): Yog qhov nyeem ntawm cov tog paug uas, yog tshaj lawm, qhia kom paub tso rau losyog teev kom ua raws nyob rau hauv ib tug txheej txheem dej haus.

MCL (Maximum Contaminant Level): Qhov pub muaj tog paug ntau tshaj plaws nyob rau hauv cov dej haus. Thawj zaug raws li qhov luag tau teev cia mas yog tov cov MCL kom tsawg li tsawg tau raws li cov PHG (losyog cov MCLG) uas ua kom them taus thias ua taus. Zaum ob luag tov cov MCL hauv cov SMCL mas yog tua tus ntxhiab dej, qhov qab-qhov tsuag thiab ntsia pom lub hwj yeeem dej los kom huv si.

MCLG (Maximum Contaminant Level Goal): Daim hom phiaj tso cov tog paug kom haum hauv cov dej haus tsawg kawg nkaus kom tsis muaj kab mob kev nkeeg losyog ntseeg tias yuav tsis muaj kab mob kev nkeeg. Lub U.S. EPA yog tus teev cov MCL

MRDL (Maximum Residual Disinfectant Level): Qhov ntau ntawm cov tshuaj tov tua kab mob hauv cov dej thaum cov dej ntwms los tawm hauv neeg tus kai dej haus. Yeej muaj keeb puas qhia xaas hais tias tsim nyog tov tshuaj tua kab mob kom txhob pub muaj kab mob ntau nyob hauv cov dej.

MRDLG (Maximum Residual Contaminant Level Goal): Daim hom phiaj tso cov tog paug kom haum hauv cov dej haus tsawg kawg nkaus kom tsis muaj kab mob kev nkeeg losyog ntseeg tias yuav tsis muaj kab mob kev nkeeg. Lub MRDLG no tsis qhia txog kev tov tshuaj tua kab mob kom txhob pub muaj kab mob ntau nyob hauv cov dej.

ND (Nrhiav tsis tau): Hais tau tias cov khoom no hauv lub chaws kuaj tshawb tsis pom.

NL (Notification Level) Muaj kev tshaj tawm qhia txog raws kev noj qab haus huv rau cov tog paug uas tsis muaj qhov pub muaj tog paug ntau tshaj (MCL) hauv cov dej haus.

NS Tsis muaj tus txheej txheem (No Standard).

NTU (Nephelometric Turbidity Units): Ntsuas qhov ntshiab, losyog qhov huv ntawm cov dej. Qhov ntshiab tshaj li ntawm 5 NTU mas yuav yog ib tug neeg twg tab tom yuav txawj pom qhov bawv.

pCi/L (picocuries per liter): Ntsuas qhov muaj hluav taws xob (radioactivity).

PDWS (Primary Drinking Water Standard): Cov MCL yog tso los tua cov tog paug uas ua neeg muaj mob nrog rau qhov taug xyuas thiab fi xov raws txoj cai teev cia thiab qhov txoj cai kom lim dej haus.

TT (Treatment Technique): Ib yam kev kho cov dej kom tso losyog tiv thaiv cov tog paug hauv cov dej haus.

mg/L; ug/L; ng/L; ppm; ppb; ppt: qhia hauv daim ntawv sib piv saum toj no.

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