



Kuaj cov dej hauv qhov dej khawb, Kuaj tas muaj dabtsi, thiab Lwm txoj kev xaiv

Yog ib tug tswv ntawm lub qhov dej khawm, Koj yog tus lav phib xaub kuaj koj cov dej koj siv los ua zaub mov noj thiab haus tas mus li kom paub tseeb tias nws yeej phua phais. Lub tuam tsev saib xyuas kev noj qab haus hu Minnesota Department of Health (MDH) tau hais tias xav kom koj kuaj cov dej tawm los ntawm tus kais dej es koj siv ua zaub mov noj thiab siv los haus thiab kom koj kuaj rau cov khes mis es tsuas tsus huv rau cov dej nyob rau lub rooj ntawv hauv qab no. Yog tias koj siv tshuaj tua kab mob rau koj cov dej, kuaj cov dej tom qab koj siv tshuaj tua tag. Kuaj tag nrho rau cov khes mis es tsuas rau cov dej hauv qab no yog ib qho tseem ceeb tshwj xeeb yog tias cov menyuam mos ab los yog cov menyuam yaus hauv cov dej.

(saib [Cov Dej Haus Puaj Phais rau koj tus menyuam Mos Ab \[PDF\]](#))

(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/safebaby.pdf) (tsuas muaj rau hom lus Askiv thiab lus Mev rau lub sij hawm no xwb)).

Yam dabtsi yuav kuaj kom paub txogkoj lub qhov dej

Hom kab mob es tsuas rau cov dej	Yuav tsum tau Kuaj lub Qhov Dej Heev Npaum cas	Cuam tshuam rau kev noj qab haus huv
Kab mob Coliform Bacteria	Txhua xyoo	Kab mob Coliform Bacteria yeej yog ib qho qhia tau tias muaj lwm cov kab mob me me nkag rau cov nqaij (infectious bacteria), kab mob es kis rau lwm tus, los yog cov kab mov cua nab tej zaum nyog rau hauv koj cov dej. Cov no kuj ua tau rau koj raws plab, ntuav, tu leeg, xeev siab, mob taub hau, ua daus no, thiab nkees nkees.
Tshuaj ntsev Nitrate	Kuaj ib xyoos kem ib xyoos	Haus tau cov tshuaj ntsev nitrate ntau heev muaj kev cuam tshuam rau qhov cov nshav nqus tau cov pa oxygen thiab ua rau tus menyuam muaj qhov mob hu ua blue baby syndrome. Cov menyuam mos ab muaj hnuv nyoog qis dua li rau lub hlis es noj raj mis muaj kev phom sij siab dua txog qhov kev phom sij ntawm cov tshuaj ntsev nitrate. Tus mob hu ua blue baby syndrome yuav ua rau muaj mob nyhav los yog tuag taus.

Khes mis Arsenic	Tsawg kawm nkaus mas kuaj ib zaug	Haus cov dej es txawm tias muaj cov tshuaj khes mis arsenic qis qis es haus mus ntev ntev rau cov neeg muaj ntshav qab zib thiab yuav muaj kev phom sij rau mob khees xaws rau lub zais zus, lub ntsws, lub siab, thiab lwm cov khoom nyob hauv lub nruab nrog. Tshuaj khes mis arsenic yeej ua tau rau muaj tus kab mob ntsig txog lub plawv thiab cov hlab plawv thiab kev ua pa; txo qhov kev txawj ntse ntawm cov menyuam; thiab muaj teeb meem rau daim tawv nqaij xws li doog, xim nqaij hloov, thiab ua cos. Kev noj qab haus huv es muaj kev cuam tshuam txog tshuaj khes mis arsenic mas siv sij ntev xyoo mam ua rau muaj mob.
Hmoob txhuas Lead	Tsawg kawm nkaus mas kuaj ib zaug	Cov hmoov txhuas lead ua tau rau puas hlwb, puas raum, thiab qhov es tus neeg tswj kom tau nws lub cev. Hmoov txhuas lead kuj ua tau rau tus menyuam paub tab qeeb los yog kawm tsis tau ntawv zoo, muaj teeb meem rau tus xeeb ceem, thiab muaj teeb meem rau qhov tsis hnov lus zoo. Txawm tias hmoov hlaus lead tsis zoo rau txhua tus, cov menyuam mos ab, cov menyuam yaus hnuv nyoog qis dua rau lub xyoo, thiab Cov Poj Niam es Xeeb Tub Hauv Plab yog cov muaj Kev Phom Sij Loj Tshaj los ntawm cov hmoov txhuas lead.
Hmoov tooj Manganese	Kuaj ib zaug ua ntej tus menyuam mos ab haus cov dej	Cov hmoov tooj manganese yuav tsim teeb meem rau kev cim xeeb, nyob tsis tswm, thiab tswj tsis tau kom tus kheej sawv tus yees. Nws kuj yuav ua tau rau cov menyuam mos ab thiab cov menyuam yaus muaj teeb meem txog kev kawm ntawv thiab teem meem txog tus cwj pwm.

Qhov es yeej cia li muaj cov khes mis los ntawm thas mab xaj thiab tej yam es tiv neeg ua yeej tsuas tau rau cov dej hauv qhov dej khawb thiab ua rau muaj kev mob nkeeg rau lub cev sai sai thiab ntev ntev lawm yav tom ntej. Kuaj cov dej hauv koj lub qhov dej yog tib txoj kev es nrhiav tau seb yam tshuaj khes mis twg es tsuas rau cov dej hauv av heev tshaj plaws hauv lub xeev Minnesota; koj yeej saj tsis tau, tsis pom, los yog hnia tsis muaj tus ntxhiab rau feem ntau ntawm cov khes mis es tsuas rau cov dej.

Tej zaum koj kuj yuav tsum tau kuaj koj cov dej rau lwm yam tsis huv es tsuas rau koj cov dej yog tias koj muaj lwm yam txhawj xeeb txog koj cov dej tsam tsis huv los yog koj nyob rau ib qho chaw es cov dej khawb hauv av muaj tej yam tsuas tsis huv. Kawm kom paub ntau dua txog cov qhov dej khawb ntawm ntiag tug es muaj cov ncauj lus tham txog cov dej huv ntawm [Dej Huv/Kuaj Dej Hauv Qhov Dej Khawb/Siv Tshuaj Tua Cov Dej Hauv Lub Qhov Dej](http://www.health.state.mn.us/communities/environment/water/wells/waterquality/index.html) (www.health.state.mn.us/communities/environment/water/wells/waterquality/index.html) (tsuas muaj rau hom lus Askiv rau lub sij hawm no xwb).

Kawm Kom Paub Ntau Dua txog Tej Yam es Tsuas Tsis Huv tau Hais Tag Sab Saud

- Ua Rau Muaj Kab Mob
(www.health.state.mn.us/communities/environment/water/wells/waterquality/bacteriahmong.pdf)
- Tshuaj Ntsev Nitrate
(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/nitratehmong.pdf)
- Khes mis Arsenic
(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/arsenichmong.pdf)
- Hmoov txhuas Lead
(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/leadhmong.pdf).
- Hmoov tooj Manganese
(www.health.state.mn.us/communities/environment/water/contaminants/manganese.html) (tsuas muaj rau hom lus Askiv rau lub sij hawm no xwb).

Yuav kuaj koj cov dej hauv qhov dej li cas

Tiv tauj ib lub chaw es muaj ntaub ntawv pov thawj kom tau lub thawv thiab cov ntaub ntawv cob qhia kom paub kuaj, los yog nug koj lub zos county es pab rau faim kev noj qab haus huv rau pej zeem seb lawv puas muaj kev pab kuaj cov qhov dej khawb. Tom qab lub chaw kuaj dej muab cov dej los kuaj tag lawm, lub chaw kuaj dej yuav xa ib daim ntawv tuaj qhia rau koj paub tias thaum lawv kuaj tag lawv pom tias muaj dabtsi.

Nrhiav kom tau ib lub chaw Muaj Daim Ntawv Pov Thawj Kuaj Dej

MDH cov chaw muaj daim ntawv pov thawj kuaj dej yeej siv cov tswv yim thiab cov qauv kuaj dej kom muab tau cov ntaub ntawv qhia kom tsis yuam kev txog tias koj cov dej tias zoo li cas. Hauv qab no yog ob qhov kev pab qhia kom nrhiav tau ib lub chaw muaj daim ntawv pov thawj kuaj dej. MDH xav kom koj yuav tsum tau tiv tauj li ntawm ob peb lub chaw kuaj dej kom thiaj li sib piv tau tus nqi kuaj dej.

- Cov Chaw Muaj Daim Ntawv Kuaj Dej Hauv Minnesota Txais Cov Dej Hauv Lub Qhov Dej Khawb Muaj Tswv Kuaj [PDF]
(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/labmap.pdf) (tsuas muaj rau hom lus Askiv rau lub sij hawm no xwb): Daim ntawv qhia chaw nov thiab lub rooj ntawv no qhia txog MDH cov chaw muaj daim ntawv pov thawj kuaj dej hauv lub xeev Minnesota es kam txais ib qhov dej me me los ntawm cov qhov dej khawb es muaj tswv es muaj daim ntawv tso cai kuaj rau cov khes mis arsenic, tus kab mob coliform bacteria, hmoov txhuas lead, hmoov hlau manganese, thiab/los yog tshuaj ntsev nitrate.
- Tshawb nrhiav cov chaw muaj daim ntawv pov thawj Kuaj Dej (Accredited Laboratories)
(<https://eldo.web.health.state.mn.us/public/accreditedlabs/labsearch.seam>) (tsuas muaj rau hom lus Askiv rau lub sij hawm no xwb): Koj yeej tshawb nrhiav tau tag nrho MDH cov chaw muaj daim ntawv pov thawj kuaj dej hauv teb chaws Meskas.

1. Xaiv qhov **Customized Searches; rau “Program” xaiv Safe Drinking Water Program**; ces xaiv qhov es tsuas rau dej es xav kom kuaj.
2. Nyob hauv qab ntawm nploog ntawv no khij lub npov es hais tias **Accepts samples from private homeowners** thiab nias qhov **Search**.
3. Cov npe es tshawb nrhiav tawm rau koj pom yog cov npe ntawm cov chaw kuaj dej es muaj daim ntawv pov thawj kuaj seb puas muaj tej yam tsuas tsis huv rau cov dej.

Qhov es kuaj tag pom tias muaj dabtsi txhais tau li cas thiab cov kauj ruam tom ntej no

Ib lub chaw kuaj dej twg kuaj tag es pom dabtsi mas kev qhia tuaj yuav qhia sib txhawv zog. Lub rooj ntawv hauv qab no teev tej yam tsuas tsis huv es tseem ceeb lus chaw MDH xav kom koj kuaj seb cov dej puas muaj lawv nyob hauv, qhov es muaj ntau kuv yuav ua rau muaj kev phom sij ntawm koj cov dej haus, thiab koj yuav ua li cas thiaj li yauv tiv thaiv tau koj tsev neeg qhov kev noj qab haus huv. Thov tiv tauj lub chaw kuaj dej los yog MDH nrog cov lus nug koj muaj txog qhov es kuaj koj cov dej tag es pom muaj dabtsi.

Hom kab mob es tsuas rau cov dej	Cov dej haus tuaj yeem ua tau muaj mob yog tias:	Yuav ua cas yog tias Muaj Hom kab mob es tsuas tsis huv rau cov dej siab yam Tsis Puaj Phais rau siv
Kab mob Coliform Bacteria	Kuaj pom tias muaj cov Kab mob Coliform Bacteria	<ol style="list-style-type: none"> 1. Hais kom luv luv, yog tias cov tshuaj ntsev nitrate kuaj tsis pom muaj, koj yeej rhaub tau koj cov dej kom npau npau ntev li 1 nasthis ua ntej siv cov dej los haus los yog ua zaub mov noj. Los yog nrhiav dej siv los ntawm lub qhov chaw muaj dej siv es puaj phais (xws li cov kaus poom dej). 2. Siv tshuaj tua kab mob hauv koj lub qhov dej khawb thiab cov cuab yeej xa dej nkag los rau koj es yog siv cov tshuaj chlorine solution (saib <u>Siv tshuaj tua Kab Mob rau lub Qhov Dej Khawb</u> (www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/disinfectio nhmong.pdf) tau cov kev cob qhia los yog ntiav ib tug neeg muaj daim ntawv pov thawj khawb qhov dej los siv tshuaj tua kab mob hauv koj lub qhov dej khawb). 3. Kuaj kom cov dej dua tom qab siv tshuaj tua kab mob hauv lub qhov dej thiab thiab cov cuab yeej xa dej nkag los

<p>Tshuaj ntsev Nitrate</p>	<p>Muaj siab tshaj 10 mg/L*</p>	<ol style="list-style-type: none"> 1. Nrhiav dej siv los ntawm lub qhov chaw muaj dej siv es puaj phais (xws li cov kaus poom dej) txog thaum koj daws tau qhov teeb meem. Tsis TXHOB rhaub koj cov dej – rhaub dej yuav ua rau haj yam muaj cov ntsev nitrate. 2. Tsis txhob muab cov dej rau cov menyuam mos ab muaj hnuv nyoog qis dua rau lub hlis. 3. Hais kom ib tus neeg muaj daim ntawv tso cai khawb qhov dej tuaj kuaj thiab kho koj lub qhov dej khawb. 4. Tshem tawm tej yam ntxim li ua rau muaj cov ntsev nitrate es nyob ze ntawm koj lub qhov dej khawb. 5. Xav txog qhov kev siv cov cuab yeej lim thiab tua kab mob rau koj cov dej siv hauv tsev yog tias kauj ruam 3 thiab 4 daws tsis tau qhov teeb meem thiab txhob muaj cov dej rau cov menyuam mos ab haus. 6. Kuaj koj cov dej dua tom qab koj nruab lub cav lim dej kom tua tau cov kab mob.
<p>Khes mis Arsenic</p>	<p>Muaj khes mis arsenic nyob rau theem twg los yeej muaj kev phom sij. MDH yeej xav tias kom yuav tsum tau ua tej yam los tiv thaiv yog tias hauv koj cov dej haus muaj cov khes mis arsenic siab tshaj 10 µg/L**</p>	<ol style="list-style-type: none"> 1. Xav txog qhov kev siv cov cuab yeej lim thiab tua kab mob rau koj cov dej siv hauv tsev los yog siv cov dej los ntawm lwm qhov chaw. Ua ntej yuav siv cov cuab yeej lim thiab tua kab mob rau koj cov dej siv hauv tsev, tej zaum nws kuj zoo rov qab kuaj xyuas seb muaj cov khes mis arsenic siab npaum cas. 2. Kuaj koj cov dej dua tom qab koj nruab lub cav lim dej kom tua tau cov kab mob.
<p>Hmoob txhuas Lead</p>	<p>Muaj hmoov txhuas nyob rau theem twg los yeej muaj kev phom sij</p>	<ol style="list-style-type: none"> 1. Taws tus dej kom ntev li 1 nasthis ua ntej siv ua zaub mov noj los yog siv haus. 2. Siv cov dej txias los haus thiab ua zaub mov noj. 3. Ntiav ib tug neeg kho kav dej kom nrhiav tau tias cov hmoov txhuas los qhov twg los ntawm koj cov kav dej thiab xav txog qhov es hloov qhov es ua rau muaj hmoov txhuas. 4. xav txog qhov es siv ib daim ntaub lim dej thaum tso dej rau lub taub dej haus los yog hais kom cov neeg

		<p>muaj daim ntawv pov thawj nruab cov cuab yeej lim thiab tua kab mob ntawm cov dej kom tshem tau cov hmoov txhuas lead yog tias koj nrhiav tsis pom.</p> <p>5. Kuaj koj cov dej dua tom qab koj nruab lub cav lim dej kom tua tau cov kab mob.</p>
Hmoov tooj Manganese	<p>Rau cov menyuam mos ab muaj ib xyoos: Theem siab ntawm cov hmoov tooj mangaese yog siab dua 100µg/L**</p> <p>Rau lwm tus neeg twg: Theem siab ntawm cov hmoov tooj mangaese yog siab dua 300µg/L**</p>	<ol style="list-style-type: none"> 1. siv cov dej los ntawm lwm qhov chaw thaum siv cov dej tov mis los yog tov kua txiv rau ib tug menyuam mos ab haus. 2. xav txog qhov es siv ib daim ntaub lim dej thaum tso dej rau lub taub dej haus los yog siv lub lim thiab tua kab mob ntawm cov dej 3. Kuaj koj cov dej dua tom qab koj nruab lub cav lim dej kom tua tau cov kab mob.

*mg/L=milligrams tauj ib liter thiab yog tib yam li parts per million (ppm)

**µg/L=micrograms tauj ib liter thiab yog tib yam li parts per billion (ppb)

Ntaub ntawv qhia kom paub ntxiv

- [Kev Puaj Phais Txog Civ Kab Mob hauv cov qhov Dej Khawb \[PDF\]](http://www.health.state.mn.us/communities/environment/water/wells/waterquality/bacteriahmong.pdf)
(www.health.state.mn.us/communities/environment/water/wells/waterquality/bacteriahmong.pdf).
- [Nitrate nyob hauv cov qhov dej khawb \[PDF\]](http://www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/nitratehmong.pdf)
(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/nitratehmong.pdf).
- [Saib Khes mis Arsenic nyob hauv cov dej hauv Qhov Dej Khawb \[PDF\]](http://www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/arsenichmong.pdf)
(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/arsenichmong.pdf).
- [Saib cov Hmoov Txhuas hauv Cov Kav Dej \[PDF\]](http://www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/leadhmong.pdf)
(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/leadhmong.pdf).
- [Saib hauv cov hmoov tooj Manganese hauv cov Dej Haus](http://www.health.state.mn.us/communities/environment/water/contaminants/manganese.html)
(www.health.state.mn.us/communities/environment/water/contaminants/manganese.html). (Tsuas muaj rau hom lus Askiv lub sij hawm no xwb).

Kawm kom paub ntau dua txog lwm txoj kev siv tshuaj tua kab mob hauvcov dej

- [Cov Cuab Yeej Lim Dej Hauv Tsev](http://www.health.state.mn.us/communities/environment/water/factsheet/hometreatment.html)
(www.health.state.mn.us/communities/environment/water/factsheet/hometreatment.html) (tsuas muaj rau hom lus Askiv rau lub sij hawm no xwb): kev siv tshuaj tua kab mob ntawm cov dej thuaj paws.
- [Cov Cuab Yeej Lim cov Khes Mis Arsenic Kom Txhob Muaj Ntau Ntau \[PDF\]](http://www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/arsenictreat.pdf)
(www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/arsenictreat.pdf) (tsuas muaj rau hom lus Askiv rau lub sij hawm no xwb)
- [Txais nyiaj yuav Cov Cuab Yeej Lim Dej Hauv Tsev thiab Khawb Qhov Dej, Kho qhov dej, thiab npog tej qho tawg ntawm lub qhov dej](https://www.health.state.mn.us/communities/environment/water/wells/sealing/loans.html)
(<https://www.health.state.mn.us/communities/environment/water/wells/sealing/loans.html>) (tsuas yog muaj rau hom lus Askiv rau lub sij hawm no xwb): Cov nyiaj pab thiab txais pab them rau cov nqi es nruab lub cuab yeej lim dej.

Yuav kom tau cov ntaub ntawv no rau lwm hom format hu rau 651-201-4600.
Publications\Well Testing, Results, and Options 06/15/2023 – Hmong