

What is an exceedance ?

An exceedance is when the monitoring level(s) are above Federal Drinking Water Quality Standards for that contaminate. When a water system has an exceedance the system will issue a public notice (PN) explaining what the health risks are and how to reduce these risks.

(See page 3 of this PDF to view PN)

Following is list of Corrective Action statuses to help explain what ADEQ and/or water system are doing to resolve the issue.

Corrective Action Status	Description
ADEQ Providing Compliance/Technical Assistance	ADEQ is assisting facility with the legal and/or technical requirements in order to be in compliance with state and federal regulations.
ADEQ/Facility Collecting Additional Samples	ADEQ or Facility are collecting additional samples to determine if the exceedance is a recurring event or a single event.
Facility Notified of Potential Deficiencies	ADEQ has informed facility that they have an exceedance of a permit limit or surface water standard (i.e. myDEQ Report and/or Phone call/email)
Facility Notified of Alleged Violations	Facility has received a Notice of Violation or Notice of Opportunity to Correct Deficiencies from ADEQ or delegated authority for exceeding a permit limit or surface water standard.
ADEQ/Facility Agree Upon Path Forward	ADEQ and Facility have entered into a formal agreement which puts them on a path to return to compliance (i.e. Consent Order or Consent Judgment)
Facility Improvement in Process	A structural, treatment, and/or operational improvement is currently being implemented at facility.
Compliance/Technical Assistance Was Unsuccessful	Elevating the issue to ADEQ Leadership and the Water System, to seek additional Compliance/Technical Assistance with the goal help the water system return-to-compliance with state and federal regulations.



Drinking Water | Federal Water Standards Exceedance Report

Data Pull Date: 3/7/19

Facility: Villa Grande DWID

County	PWS #	Name	Contaminet Source	Status
PINAL	AZ0411321	VILLA GRANDE DWID	NITRATE Exceeds Rule Limit	Facility Improvement In Process

DRINKING WATER WARNING

Villa Grande DWID water has high levels of nitrate –

DO NOT GIVE THE WATER TO INFANTS UNDER 6 MONTHS OLD OR USE IT TO MAKE INFANT FORMULA

Water sample results collected 1/23/19 and 1/31/19 showed nitrate levels of 17.7 mg/L and 17.5 mg/L, respectively. This is above the nitrate standard, or maximum contaminant level (MCL), of 10 mg/L. Nitrate in drinking water is a serious health concern for infants less than six months old.

Nitrate in drinking water can come from natural, industrial, or agricultural sources (including septic systems and run-off). Levels of nitrate in drinking water can vary throughout the year.

What should I do? What does this mean?

- **DO NOT GIVE THE WATER TO INFANTS.** *Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.* Blue baby syndrome is indicated by blueness of the skin. Symptoms in infants can develop rapidly, with health deteriorating over a period of days. If symptoms occur, seek medical attention immediately.
- Water, juice, and formula for children under six months of age should not be prepared with tap water. Bottled water or other water low in nitrates should be used for infants until further notice.
- **DO NOT BOIL THE WATER.** Boiling, freezing, filtering, or letting water stand does not reduce the nitrate level. Excessive boiling can make the nitrates more concentrated, because nitrates remain behind when the water evaporates.
- Adults and children older than six months can drink the tap water (nitrate is a concern for infants because they can't process nitrates in the same way adults can). However, if you are pregnant or have specific health concerns, you may wish to consult your doctor.

What is being done?

We are currently working with ADEQ and engineers to try cost effective alternatives for nitrate treatment before moving forward with the more costly nitrate treatment system.

For more information, please contact Joni Roerdink at (520) 251-0481.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail. Notices will also be posted on the information boards within the subdivision, the VGDWID website: villagrandedwid.com and a notice will also be mailed to each customer with their monthly water bill.

This notice is being sent to you by Villa Grande DWID. State Water System ID#: AZ04-11-321.

Date distributed: 2.8.19

Posted 2.8.19

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ADVERTENCIA DE AGUA PARA BEBER

El agua de Villa Grande DWID tiene altos niveles de nitrato

NO LE DE AGUA A BEBER A NIÑOS MENORES DE 6 MESES Y NI LA UTILICE PARA PREPARAR LA LECHE DEL BEBE

El día 1/23/19 se recolecto una toma de muestra de agua y se confirmo con otra toma el día 1/31/19 mostro niveles de nitrato de 17,7 mg/L y 17,5 mg/L respectivamente. El ingerir nitrato en el agua para los niños menores de 6 meses es perjudicial para la salud.

Altos niveles de nitrato en el agua para beber pueden salir de forma natural, industrial o de la agricultura (incluye la fosa septica). Los niveles de nitrato varian durante el transcurso del año.

Que debo hacer? Que significa esto?

- **NO LE DE AGUA A INFANTES.** Los Infantes menores de 6 meses que ingieren agua que contiene excesos de nitrato puede enfermarse seriamente y si no se trata podria provocar la muerte. Los sintomas incluyen respiracion entre cortada y el sindrome del niño azul. El sindrome de niño azul se indica por el tono azulado que se pone la piel. Los sintomas en los infantes se pueden desarrollar rapidamente, la salud se puede ver deteriorada en el lapso de dias. Si estos sintomas ocurren busque ayuda medica lo mas pronto posible.
- Agua, jugo y la leche para niños menores de 6 meses no se deben preparar con agua de la llave. Debe utilizar agua enbotellada o otras aguas baja en nitrato hasta Nuevo aviso.
- **NO HIERVA EL AGUA.** Hervir, congelar, filtrar o dejarla en reposo no reduce el nivel de nitrato. De hecho hervirla en exceso puede aumentar los niveles de nitrato, porque los nitratos se asientan mientras el agua se evapora.
- Los adultos y los niños mayores de 6 meses pueden beber agua de la llave (los niveles de nitrato es peligroso solo para los infantes, ellos no pueden disolver el nitrato de la misma manera que los adultos). Sin embargo, si usted esta embarazada o tiene problemas de salud consulte a su doctor inmediatamente.

Que es lo que se esta haciendo?

Estamos trabajando en equipo con ADEQ y sus ingenieros para buscar alternativas de tratamiento de nitrato de costo accesible antes de proseguir a instalar los sistemas de alto costo para tratar el nitrato.

Para mayor informacion por favor comuniquese con Joni Roerdink (520) 251.0481

Por favor comparta esta informacion con todos conocidos que consumen agua, especialmente con los que no pudieron haber recibido esta informacion directamente (por ejemplo, las personas que viven en departamentos, casas hogar, escuelas y negocios). Usted puede ayudar publicando esta informacion en lugares visibles o repartiendo copias de mano a mano o por correo. Las cartas se publicaran en nuestros murales de cada division, la pagina de VGDWID: villagrandewedid.com y se le enviara una carta a cada usuario que reciba el recibo de agua.

Esta carta se le envio por medio de Villa Grande DWID. Sistema estatal del agua ID #AZ04-11-321

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