

# Potential for Formation of Disinfection By-Products from Storage of Chlorinated Surface Water in the Basalt Aquifer Near Fallon, Nevada: Usgs Scientific Investigations Report 2005-5142



Filesize: 2.2 MB

## ***Reviews***

*This is the finest book i have got go through right up until now. I have got read and i also am confident that i am going to planning to read once again yet again in the future. You will not truly feel monotony at at any time of the time (that's what catalogs are for about if you check with me).*  
*(Taylor Medhurst)*

## POTENTIAL FOR FORMATION OF DISINFECTION BY-PRODUCTS FROM STORAGE OF CHLORINATED SURFACE WATER IN THE BASALT AQUIFER NEAR FALLON, NEVADA: USGS SCIENTIFIC INVESTIGATIONS REPORT 2005-5142

DOWNLOAD



Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Increased pumpage from a basalt aquifer near Fallon, Nevada, has caused its water levels to decline and has induced changes in the quality of water pumped from the basalt. The aquifer is the sole source of water for municipal supply to the city of Fallon, the Naval Air Station Fallon, and the Fallon Paiute-Shoshone Tribe. These changes may be mitigated by storage of surface water in the basalt for subsequent use. Because chlorination of the surface water may be required for storage, the U.S. Geological Survey, in cooperation with the Fallon Paiute-Shoshone Tribe, made laboratory tests using laboratory carbon-organic-free water, surface-water, ground-water, and basaltic-rock samples to determine the potential for formation of disinfection by-products. Experiments with water samples only (no rock and no chlorine) indicated no change in dissolved-organic-carbon (DOC) concentrations over a 20-day reaction period; whereas, all experiments using rock, water, and no chlorine indicated an increase in DOC concentrations. The greatest increase in DOC concentrations for all three water samples occurred in experiments with the rock samples from outcrops on Rattlesnake Hill. Experiments with water only and chlorine yielded a total trihalomethane (THM) concentration of 97.4 µg/L for the ground-water sample and 347 µg/L for the surface-water sample. Experiments with mixtures of water, rocks, and chlorine indicated that reactions with the rock consumed chlorine and released significant amounts of organic carbon from the rock, increasing the DOC concentration in the water. The organic carbon in the rocks likely is associated with the secondary clay minerals that line vesicles and fractures in the rocks. THM concentrations were greatest, from 335 to 909 µg/L, for surface water equilibrated with rock samples from Rattlesnake Hill. However, the concentration of...



**Read Potential for Formation of Disinfection By-Products from Storage of Chlorinated Surface Water in the Basalt Aquifer Near Fallon, Nevada: Usgs Scientific Investigations Report 2005-5142 Online**



**Download PDF Potential for Formation of Disinfection By-Products from Storage of Chlorinated Surface Water in the Basalt Aquifer Near Fallon, Nevada: Usgs Scientific Investigations Report 2005-5142**

## See Also



---

**Trouble Free Travel with Children Over 700 Helpful Hints for Parents of the Go by Vicki Lansky 2003 Paperback**

Book Condition: Brand New. Book Condition: Brand New.

[Read Book »](#)



---

**Water From The Well: Sarah, Rebekah, Rachel, and Leah**

HarperOne. Hardcover. Book Condition: New. 0060737964 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I...

[Read Book »](#)



---

**Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products**

Fair Winds Press, 2006. Paperback. Book Condition: New. Brand new books and maps available immediately from a reputable and well rated UK bookseller - not sent from the USA; despatched promptly and reliably worldwide by...

[Read Book »](#)



---

**Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback**

Book Condition: Brand New. Book Condition: Brand New.

[Read Book »](#)



---

**The Water Goblin, Op. 107 / B. 195: Study Score**

Petrucchi Library Press, United States, 2013. Paperback. Book Condition: New. 238 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The first of four late tone poems inspired by Bouquet, a...

[Read Book »](#)

**Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition)**

SAGE Publications Ltd. Paperback. Book Condition: new. BRAND NEW, Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition), Theresa Casey, 'Theresa's book is full of lots of inspiring, practical, 'how

[Download PDF »](#)

**From Dare to Due Date**

Harlequin, United States, 2016. Paperback. Book Condition: New. Not for Online.. 168 x 104 mm. Language: English . Brand New Book. THE NIGHT THEY MADE A BABY Mia Palinski had never even considered herself the

[Download PDF »](#)

**DK Readers Day at Greenhill Farm Level 1 Beginning to Read**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in.This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs

[Download PDF »](#)

**The Healthy Lunchbox How to Plan Prepare and Pack Stress Free Meals Kids Will Love by American Diabetes Association Staff Marie McLendon and Cristy Shauck 2005 Paperback**

Book Condition: Brand New. Book Condition: Brand New.

[Download PDF »](#)

**Growing Up: From Baby to Adult High Beginning Book with Online Access**

Cambridge University Press, 2014. UNK. Book Condition: New. New Book. Shipped from US within 10 to 14 business days. Established seller since 2000.

[Download PDF »](#)