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RICHARD BAY
1600 → 15-20
8,000 TDS 15-20 %

1200 TDS J RIVER
40 SELENIUM 4.6
PPb PPb

MAINTENANCE, MONITORING AND ABILITY TO ALTER

Vice Chair - Agenda, alternatives

Roger Payne Utilities Manag
whatcott
Dick West - Westside Duck Club association

3/31/04
TDS Goal is 250 mg/l drinking

Selenium - By product is 47 Wildlife Std is 4.6
~~Selenium~~ selenium in GSL is 12

Bruce Wadell says selenium #'s from GSL is not reliable, ~~[illegible]~~
goal is drinking water standard of 50.

11 years for zone A plume to reach zone B plume
1.5ppb selenium toxicity in some

Dr. Bill Adams available at next meeting for selenium discussion
USFW has tissue data

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Is reverse osmosis the best treatment of primary water?
Can KUCC use ~~alternative~~ make-up water for #6?

Zone upper aquifer
~~Plume~~ B/water is suitable ~~for~~ as irrigation water
(Not contaminated water.)

4/14/04

Plume - how deep?
Zone A ≈1000' near Bingham
mostly 500'
Zone B 300-400' below ground surface

Zone A - wells are 800' deep
Zone B wells tests to determine depth

- Alternative technologies to RO requested by Kathy Van Dam - Coagulation, precipitation
- Removal of Selenium - Bio remediation creates reducing environment - <2ppb - concerns process isn't stable. Scale problems

in

15-20% of the water put into RO is lost in the process $9mill cash for trustee to use to compensate. - ~~this was done~~ RO was decided as treatment in 1995.

Meeting Courtesy Ground Rules.
Focus on issue

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Deep Well Injection - w/n 1 1/2 mi radius from treatment plant.

Utah Roses Well - 5000' for geothermal well. You can't inject a lower quality water into an aquifer

* KUCC will commit to handling Zone B water for next 40 years

zone B & lost use
zone B 8 mil
13 mil additional capital

~~2 ppb~~
Selenium in Jordan R.
4000 lbs/yr into GSL
86 lbs/yr zone B & lost use
- Bioaccumulation algae → brine shrimp → water fowl
- Se reduces at particle & settles out.
- Sulfate in GSL 6000 ppm - Sulfate will replace Se by algae
- DWQ wants background or special study for discharge.

Groundwater flows to wetland - thus duck areas. By ~~by passing~~ extracting

methal mercury.

GSL - > 85 million bird-use/day

water remove from storage

How do we monitor effects
EPA interested in analytical methodology

Wed. April 28

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