

Agenda

- Introductions
 Overview of Planning to Date
- Spokane County
 Regional Water
 Reclamation Facility
- Uses of Reclaimed Water
- Reclaimed Water Use Study
 EIS Process
 Questions & Answers
 DEIS Comments



Spokane County Regional Water Reclamation Facility



Overview of Planning to Date

Prior Facilities Planning 2002 - 2003 Ð. Summary of Recommendations lew State-of-Art Treatment Facil Stockyards Site Selected Environmental Process Completed Spokane River Water Quality Issues Ű Dissolved Oxygen TMDL Revised Phosphorus Discharge Requirements Approved Facilities Plan Amendment Ű. Additional Effluent Phosphorus Removal Treatment Technology Septic Tank Elimination Water Conservation EIS Addendum_

Reclaimed Water Use Study and Environmental Analysis









- Foundational-Concepts for the Spokane River
 - "All reasonable efforts to re-use and/or-recharge the aquifer rather than directly discharging it to the River..."
- Good stewardship of water resources
- Aquifer is finite



Washington Legislature House Bill 6117 Adopted on April 11, 2007

Reduce regulatory barriers

Provide clarification regarding appropriate uses

of reclaimed water

Spokane River region identified as a high priority area for reclaimed water



Spokane County Regional Water Reclamation Facility Incorporate State-of-the-Art Treatment Technology



Reclaimed Water from SCRWRF exceedS standards for Class A

<u>Requirement</u>	<u>Class A</u>	SCRWRF Quality
Treatment technique	Oxidized, coagulated, filtered, disinfected	Oxidized, coagulated, filtered, disinfected
<u>Total Coliform, No./100 ml</u> 7-day Median	2.2	< 2.2
Single Sample	2.2	< 23
Turbidity, Nephlometric Turbidity Units (NTU) Monthly Average	2	< 1 < 1
Single Value		
Monthly Average	30	< 2
TSS, mg/L Monthly Average	30	< 2
Dissolved Oxygen, mg/L Daily Minimum	> 0	> 5

Class A: The Most Regulated Class, but Least Restricted Use of Reclaimed Water

- Landscape Irrigation
 Irrigation of Non-Food-Crops
 Irrigation of Food-Crops
- Impoundments (Landscape and Recreational)
- Fish Hatchery-Basins
 Decorative Fountains
 Flushing of Sanitary Sewers
- Street Cleaning
- Washing of Corporation Yards, Lots, and Sidewalks

Did you know? Approximately 2,900 of the 18,100 golf courses in the USA (16%) use reclaimed water.

Source: Golf Course Superintendents Association of America





Class A is the Most Regulated, Least Restricted Use of Reclaimed Water





Toilet Flushing, City Park Restrooms

Dust Control-

- Dampening of Soil for Compaction
- Water Jetting for Consolidation of Backfill around Pipelines
- Fire Eighting and Protection
- Toilet and Urinal Flushing
- Ship Ballast
- Washing Aggregate and Making Concrete
- Industrial Boiler Feed
- Industrial Cooling
- Industrial Process

Communities in Washington Currently Using Reclaimed Water





Potential Sites for Reclaimed Water Use

Esmeralda Golf Course

0

Plantes Ferry Park

East Trent Avenue

Spokane County Fair & Expo Center -

South Inland Empire Way

lorth Division

Stre

195

Spokane, WA

Painted Hills Golf Course

South Highway 21

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Saltese Flats

SEPA-EIS Process

Prepare and issue DEL

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Solicit public comment
 Prepare and issue FEIS
 Agency decision





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Potential Sites for Reclaimed Water Use – Spokane County Regional WRF

ESpringfield Ave

Potential Sites for Reclaimed Water Use – Spokane County Fair and Expo Center

POKANE COUN

Potential Sites for Reclaimed Water Use Esmeralda-Golf-Course

Esmeraida Golf Course

stilliberty/Avenue

East/Euclid Avenue

East/Fairview Avenue

EastiCleveland Avenue

Potential Sites for Reclaimed Water Use – Esmeralda-Golf-Course

Esmerelda Golf Course

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East Blackeye Avenue

East Matsh alkAvanuo

East Nora Avenue

East Sinto Avenue East Sharp Avenue

> East Front Road Image (200

AVOLITE 290

e East Frent Arenne

East Mission Avenue

East Upriver Dilve

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Potential Sites for Reclaimed Water Use – Plantes Ferry Park

PLANTED FERRY PARK

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Potential Sites for Reclaimed Water Use – Plantes Ferry Park

Esmerelda Golf Course 🍗

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C 2008 Tele Allas Image © 2008 DigitalGlobe Planter Forry Park

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Inland Empire Paper

Spokane County Fair & Expo Center

East From AN

Potential Sites for Reclaimed Water Use – Painted Hills Golf-Course

SiGree Dr

Potential Sites for Reclaimed Water Use – Painted Hills Golf Course

County Fair & Expo Center

Esmerelda Golf Course

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© 2008 Tele Atlas Image © 2008 DigitalGlobe Painted Hills Golf

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Empire Paper

Potential Sites for Reclaimed Water Use – Saltese Flats Wetlands Restoration





Potential Sites for Reclaimed Water Use – Saltese Flats Wetlands Restoration

Inland Empire Paper

Plantes Ferry Park

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Saltese Flats

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Painted Hills Golf Course

Esmerelda Golf Course

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Spokane County Fair & Expo Center

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Potential Sites for Reclaimed Water Use – Saltese Flats Wetlands Restoration



Saltese Elats Watershed Overview

pokane River & South of West of Liberty Lake East of Spokane-Valley Ľ 14,000 acre watershed off of Ŋ Mica Péa 1,200 acre former lake bottom County owns 522 ac. on Flats



Saltese Flats: Phase 1 Project Status





Ecology: Reclaimed Water Guidelines

Reclaimed Water Use Rule: WAC 173-219

Ecology Staft

Status ???

Status ???-

Jim McCauley depar

Rule: WAC 173-219

Guide: "Purple Book"/

Denhis McDonald hired

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Spokane County

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Ecology home > Water Quality > Reclaimed Water > Reclaimed Water Use Rule Development Process

Reclaimed Water Use Rule Development Process

Updated! The hold on reclaimed rule making has been extended by ESHB 1478, which states, "the department of ec

Draft Reclaimed Water Rule (Last version before rule-making was suspended in December 2010) Writing a Reclaimed Water Rule for Washington State

On October 12, 2010, Ecology hosted a Reclaimed Water Workshop to discuss permitting of existing facilities to illu

Presentations from Workshop

- <u>Permitting the LOTT Alliance Martin Way/Hawks Prairie Facility David Dougherty</u>
- Permitting the Carnation Chinook Bend wetlands project Alison Evans
- Permitting Future Reclaimed Water Facilities with Groundwater and Surface Water uses Jim McCauley
- Water Rights Impairment analysis and the application of Overriding Public Consideration of Public Interest (Or
- OCPI for Water Quality Issues Kathleen Emmett

The 2006 law directed the Department of Ecology (Ecology) to develop and adopt rules on all aspects of reclaimed rule advisory committee with a broad range of interested individuals.

The <u>Rule Advisory Committee</u> works in coordination with the Department of Health and the Department of Agricultu affected by the rule and with technical expertise and knowledge of new advancements in technology. All meetings,

The following are all the advisory committees formed to help inform the rule-making process.

- <u>Rule Advisory Committee</u> Committee work completed. No meetings scheduled.
- · Technical Advisory Panel Committee work completed. No meetings scheduled.
- <u>Water Rights Advisory Committee</u> Committee work completed. No meetings scheduled.
- Long Term Funding Sub-Task Force Committee work completed. No meetings scheduled.
- <u>Removing Barriers Sub-Task Force</u> Committee work completed. No meetings scheduled.

Current preliminary draft rule language and Advisory committee member comments under review can be viewed or

Focus on Reclaimed Water: Reclaimed Water Rule Adoption

Code Reviser Filing Documents

• CR101 - Ecology Rules and Laws website

Contact Information

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