



# Water Resource Center

## Wastewater Reclamation Facility Walking Tour and Lab Field Trip

**Grades 9 - 12**

**2 hours**

**Sign-up online:**

[www.spokanecounty.org/  
FieldTripRequest](http://www.spokanecounty.org/FieldTripRequest)

The first portion of the tour is a presentation that takes you visually inside the treatment tanks to learn how wastewater is managed, cleaned and returned safely into the environment. You'll then head out on a 45-minute, guided, walking tour (weather dependent) of the Spokane County Regional Water Reclamation Facility. Learn about the engineering processes that transform dirty wastewater into three products: clean water, biosolids, and energy. Explore how population growth and resource use affect overall wastewater systems and the health of the Spokane Valley-Rathdrum Prairie Aquifer. After the tour, participate in a hands-on lab to clean your own 'wastewater' while gaining a better understanding of the chemistry and physical processes crucial to the treatment process.

### NGSS Alignment

**DCIs:** ESS3.C, ETS2.B, PS2.C

**Science & Engineering Practices:** Developing and Using Models, Planning and Carrying Out Investigations, Asking Q's/Defining Problems, Constructing Explanation, Analyzing and Interpreting Data, Using Mathematics and Computational Thinking

**Crosscutting Concepts:** Systems and System Models, Energy and Matter: Flows, Cycles, and Conservation, Structure and Function



### Know Before You Go! Field Trip Details

- ◆ Field Trip Maximum is 60 students. If you have a larger group than this, please reach out directly so we can discuss other options. **Please Note** - Depending on the size of your group, we may not be able to do some lessons effectively. However, we will work with you to create a great program from our menu of lessons.
- ◆ Long pants, weather-appropriate clothing and closed-toe shoes are required for tours.
- ◆ *Looking for a topic that you didn't find above?* We may be able to customize to better meet your learning objectives. Get in touch to discuss!
- ◆ We recommend that you schedule your field trip at least two months in advance to get preferred dates.



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**Questions?** Contact Toni Taylor | [tntaylor@spokanecounty.org](mailto:tntaylor@spokanecounty.org) | (509) 477-7577