

2017 Water Reuse Conference

May 16 pre-session activities:

Tour One: J.R. Simplot tour from 8 am to noon

Tour Two: Municipal Reuse Systems tour from 1 pm to 5 pm

Tour Shuttle Bus

A shuttle bus will be available at the hotel for both tours. Seating is limited!

Shuttle Bus departs from and returns to the Riverside Hotel with each tour.

- J.R. Simplot Tour – 8:00 am (boarding bus from 7:45 am to 8 am)
- Municipal Reuse Tours – 1:00 pm (boarding bus from 12:45 to 1 pm)

J.R. Simplot Tour

JR Simplot's Food Division has built a 3.2 MGD Process Water Treatment and Return Plant (PWTRP) in Caldwell, ID. The treatment plant utilizes innovative technology with return water meeting drinking water quality to be used in production processes in the new potato facility. The plant uses screening, primary clarifier, anaerobic digestion, enhanced biological nutrient removal, MBR's, and RO processes.

[J.R. Simplot Awarded WaterReuse 2016 Industrial Project of the Year](#)



Figure 1: J.R. Simplot WWTTP

Municipal Reuse Systems Tour

Join us for a tour of the planned communities of Avimor and Hidden Springs. Hidden Springs is located in the Boise foothills and covers over 1,800 acres. The development includes over 1,000 homes, a school, a town center with various commercial enterprises and community support facilities, parks and recreational areas, and a 100-acre working farm. Hidden Springs produces Class B recycled water using a lagoon treatment system with sand filtration, sodium hypochlorite disinfection, and slow-rate land application. Almost 50 million gallons of recycled water is used each year to irrigate an orchard, the farm, the school, and landscaped common areas within the community.

Avimor is a growing development located just northwest of Boise and covers over 800 acres. It currently has a community center, parks, a commercial area, and will have over 600 homes. Avimor produces Class B recycled water using an activated sludge membrane bioreactor (MBR) that incorporates biological nutrient removal (BNR) to reduce nitrogen levels and chemical addition for phosphorus reduction followed by sodium hypochlorite disinfection. Recycled water is discharged to rapid infiltration basins during the non-growing season and is used to irrigate landscaped common areas during the growing season.



Figure 2: (left) Google Earth aerial image of Hidden Springs



Figure 4: (right) Farm land at the Hidden Springs community