SPWRP Virtual Tour Worksheet

Answer the questions below using the Virtual 3D Tour on the website

1. What is removed from the wastewater to maintain that the South Platte River remains a healthy, sustainable resource? __________________________________________

2. What does hydrophobic mean as defined in the virtual tour? __________________________________________

3. What step is before the Anaerobic Digesters? __________________________________________

4. What percentage of water is removed from the biosolids? __________________________________________

5. At South Platte Water Renewal Partners, the equivalent of ___________ bath tubs are treated daily.

6. 18,000 tons of biosolids are applied to what crops? __________________________________________

7. What is required by microorganisms to metabolize the food source in the water? ________________

8. At which location is the removal of large and smaller solid material completed? ___________________

9. Which two processes utilize settling and skimming? __________________________________________

10. What is the byproduct of Anaerobic Digestion? ____________________________________________

11. Where is ammonia converted into nitrates? ____________________________________________

12. What is removed from the gas before injection into the Xcel Energy pipeline? ______________________

13. Are nitrates helpful or harmful to our watersheds? ____________________________________________

   Why? (not in the tour – extra credit) ____________________________________________

14. How many locations in the process utilize microorganisms and what are they? __________

   ____________________________________________

15. What do nitrates get converted into? __________________________________________

16. Which process has 285 feet of treatment flow area? __________________________________________

17. How many samples are collected daily? ___________ We complete how many analyses every year? ___________

18. What is the term that means “free of oxygen”? __________________________________________

19. The quality of our effluent is important to ______________________.

20. What neutralizes the treated waters before discharge? __________________________________________

21. Where does treated water discharge? __________________________________________

For more information on our educational offerings, go to our website, www.spwaterrenewalpartners.org or contact Deb Parker, Education & Outreach Specialist at dparker@englewoodco.gov or 303-762-2638