

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