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Name				

http://www.indy.gov/eGov/City/DPW/Environment/Wastewater/Pages/home.aspx

- 1. How many treatment plants does Indianapolis have?
- 2. What company runs Indianapolis' water treatment facilities?
- 3. We are going to the Belmont treatment plant. What is the flow capacity (per day) of this facility?
- 4. How much water do the facilities treat each year combined?
- 5. Describe the collection system for Indianapolis.
- 6. How many Marion County properties have private septic systems? How is the city addressing this?

http://www.indy.gov/eGov/City/DPW/Environment/Wastewater/Pages/united-water.aspx

- 7. How many residents does the City of Indianapolis-United Water Partnership serve? How many businesses?
- 8. What are the city's responsibilities? What are United Water's responsibilities?

How Wastewater Treatment Works...The Basics

Intro

- 1. What is the purpose of primary treatment?
- 2. What is the purpose of secondary treatment?

Primary Treatment

3. Describe what each part of primary treatment is designed to remove.

screen	X X		(Anthorse)
grit chamber			karputones
sedimentation tank		and the state of t	
Pumps			

Second		T		
Sacona	$\alpha r u$	Iroi	arm	ont

- 4. What is the goal of secondary treatment?
- 5. Trickling filter and activated sludge are both processes used to move the effluent from sedimentation tanks to another facility. Describe how a trickling filter works.
- 6. What is the benefit of the activated sludge process?
- 7. After sewage leaves the primary treatment tanks, it is pumped into an aeration tank. What is it mixed with then? Why?
- 8. What happens to the partially treated sewage after it leaves the aeration tank?
- 9. What is done during the disinfecting process?

Other Treatment Options

10. Describe the advanced waste treatment techniques that are in use or under development.

Blue Plains Virtual Tour

http://www.dcwasa.com/about/virtualtour/index.html

Process	Materials Used	Pollutants Removed	Effect
Preliminary	97000	ofmany Hootoyent is designed to	To the united services of the control of the contro
Primary			20H.JK
Secondary	***************************************		19200411119
Nitrification/ Denitrification			ansi ngbaunewause
Filtration and Disinfection			ag day.