WATER- AND EXCRETA-RELATED COMMUNICABLE DISEASES

Part 1 of 5



5.	 nor is a list by type of causative organism (ie, virus, bacterium, protozoon or worm) what is needed is: an environmental classification which groups the diseases into categories of common environmental transmission patterns 	nor is a list which lists the causative organisms of these diseases by biological types – that is to say, whether they are viral diseases, bacterial diseases, protozoan diseases or worm diseases. What we as engineers need is an environmental classification which groups together the diseases into categories which have a common environmental transmission pattern;
6.	Unitary environmental classification of water- and excreta-related communicable diseases Seven categories: 1. Faeco-oral waterborne & water-washed diseases 2. Non-faeco-oral water-washed diseases 3. Geoheminthiases 4. Taeniases 5. Water-based diseases 6. Insect-vector diseases 7. Rodent-vector diseases	and in this unitary environmental classification of water and excreta related diseases we have seven categories, the first of which is the faeco-oral waterborne and water-washed diseases.
7.	<pre>1(a) Waterborne diseases</pre>	First we will look at the waterborne diseases. Here these diseases are caused by pathogens which are present in drinking water, so basically the transmission route is the excreta of one person into water and then that water being drunk by somebody else.
8.	Examples of diseases which can be waterborne: • typhoid • cholera • shigellosis • enteroviral diseases • giardiasis • cryptosporidiosis	This is a list of examples of diseases which can be waterborne – and that word 'can' is very important. So we have typhoid, cholera, shigellosis, enteroviral diseases, giardiasis and cryptosporidiosis
9.	Cholera in England in the early-to-mid 1800s• Cholera was the first disease to be shown to be waterborne - by Dr John Snow in London in 1854Image: Cholera was the first disease to be shown to be waterborne - by Dr John Snow in London in 1854Image: Cholera was the first disease to be shown to be waterborne - by Dr John Snow in London in 1854• The Broad St pump: Snow removed the pump handle & the outbreak stoppedImage: Cholera was the first disease to be shown to be waterborne disease to be shown to be waterborne outbreak stoppedImage: Cholera was the first disease to be shown to be waterborne disease to be shown to be waterborne outbreak stoppedImage: Cholera was the first disease to be shown to be waterborne to be	Cholera in England in the early-to-mid 1800s was the first disease to be shown to be waterborne, in fact by Dr John Snow in London in 1854. We have the famous Broad Street Pump incident where Snow removed the pump handle and the outbreak stopped, so it was claimed.



