

CITY OF COBURG

COBURG WATER RECLAMATION FACILITY

RECLAIMED WATER

RECLAIMED WATER: DISINFECTED TREATED WATER WILL BE AVAILABLE FOR PRODUCTIVE USES LIKE AGRICULTURE, LANDSCAPING AND "GRAY WATER" APPLICATIONS IN TOWN.

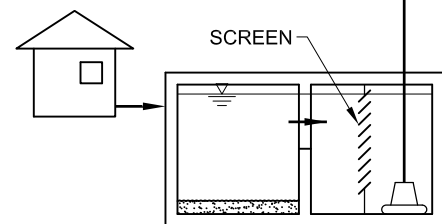


MUDDY CREEK

MUDDY CREEK: DISINFECTED TREATED WATER IS COOLED USING NATURAL WETLANDS PRIOR TO DISCHARGE TO MUDDY CREEK

THE TREATED WATER PRODUCED BY THE NEW WATER RECLAMATION FACILITY WILL BE AMONG THE CLEANEST IN THE STATE AND MEET THE MOST STRINGENT WATER QUALITY STANDARDS

STEP COLLECTION SYSTEM PRESSURE SEWER



SEPTIC TANK WITH EFFLUENT PUMP, TYPICAL FOR EACH CUSTOMER



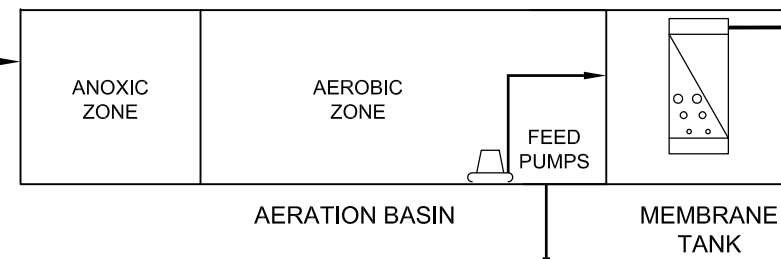
S.T.E.P.: SEPTIC TANK EFFLUENT PUMP

ROTATING DRUM FINE SCREEN

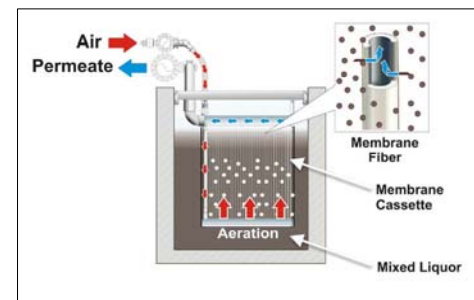
SCREENINGS CONTAINER



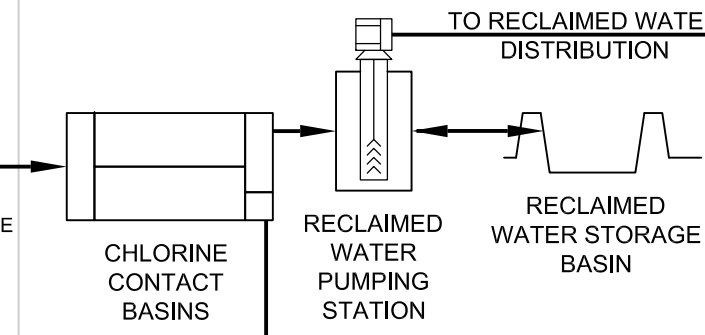
SCREENING: PROTECTS THE DOWNSTREAM MEMBRANES FROM DAMAGE



AERATION BASIN: BACTERIA (BUGS) BREAK DOWN THE WASTE AS FOOD AND REMOVE THE WASTE FROM THE LIQUID



MEMBRANE TANK: CONTAINS THE POROUS FIBERS THAT SEPARATE THE TREATED CLEAN WATER FROM THE SEWAGE. THE MEMBRANES ARE FILTERS, WITH PUMPS DRAWING WATER THROUGH THE FIBERS LEAVING THE BUGS BEHIND



CHLORINE CONTACT BASINS: TREATED WATER IS DISINFECTED BY CHLORINE TO PREVENT ILLNESS

AEROBIC DIGESTER

AEROBIC DIGESTER: THE BACTERIA THAT EAT THE WASTE ARE REMOVED TO THE DIGESTER TO BREAK DOWN PRIOR TO DISPOSAL

BIOSOLIDS STORAGE BASIN

SOLIDS DISPOSAL: SOLIDS THAT HAVE BEEN BROKEN DOWN INTO NUTRIENTS IN THE AEROBIC DIGESTER ARE TEMPORARILY STORED UNTIL THEY CAN BE LAND APPLIED AS FERTILIZER

OUTFALL TO MUDDY CREEK

TO LAND APPLICATION

TO RECLAIMED WATER DISTRIBUTION