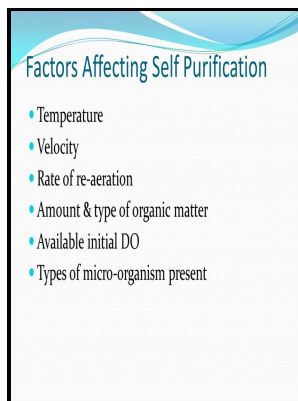


Self-purification of streams

The University of Chicago Press - The self



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Notes: Printed from the First series, v. 10 (p. 81-89) of the Decennial publications of the University of Chicago.

This edition was published in 1903



Filesize: 40.69 MB

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Self Purification of Natural Water Systems

The ordinates below the deoxygenation curve Figure 12. A number of factors affect the amount of DO available in a river. Particles in the colloidal size range can stay in suspension for long periods of time, though eventually most of these will also settle out.

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In such cases, increased turbulence may resuspend solids formerly deposited along normally quiescent areas of a stream and carry them for considerable distances downstream. The major point in sag analysis is point of minimum DO, i. At upstream of the disposal point the minimum flow in the stream is 0.

Self purification of river

DISPERSION DUE TO CURRENT 3.

5 Self

At this stage, when the effluent with initial BOD load L_0 , is discharged in to stream, the DO content of the stream starts depleting and the oxygen deficit D increases. Explain factors affecting self purification of natural streams. Sunlight: Algae produces oxygen in presence of sunlight due to photosynthesis.

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