

Treatment of Textile Wastewater with Chlorine: An Effective Method

A. K. M. Abdul Quader

Abstract

As the chlorination of textile wastewater achieves all the objectives of its treatment such as color removal and reduction of TDS, BOD and COD; and the treated effluents meet the standards set as per Schedule 12-B of the Environment Conservation Rules-1997 (ECR-97, Bangladesh), the treatment of textile wastewater with chlorine gas is a practical technological option for Bangladesh. If this process which is simple if adopted by the textile sector, the ETP operation would be widely practised for its low operating costs because of low price of chlorine produced by local chlor-alkali plants in the country. Satisfactory operation of the ETPs treating textile wastewater with chlorine at low costs has made this process affordable and attractive to the textile sector. Some of the perceived limitations of chlorination outweighs the greater benefits of textile wastewater treatment with chlorine gas leading to cleaner water bodies which receive these effluents otherwise.

Keywords: Textile wastewater, chlorination, ETP, wastewater treatment

DOI = 10.3329/ceerb.v14i1.3206

Chemical Engineering Research Bulletin 14 (2010) 59-63

References

Full Text: [PDF](#)

Chemical Engineering Research Bulletin ISSN Print: 0379-7678 Online: 2072-9510

Indexed by *Chemical Abstract Service (CAS)*, *CEABA-VtB*, *Google Scholar* and *DOAJ*

BanglaJOL is supported by [INASP](#)

USER

Username

Password

Remember me

JOURNAL CONTENT

Search

All

Browse

- [By Issue](#)
- [By Author](#)
- [By Title](#)
- [Other Journals](#)

FONT SIZE

INFORMATION

- [For Readers](#)
- [For Authors](#)
- [For Librarians](#)

ABOUT THE AUTHOR

A. K. M. Abdul Quader

RELATED ITEMS



[Author's work](#)

[Related studies](#)

[Book searches](#)

[Databases](#)

[Relevant portals](#)

[Pay-per-view](#)

[Online forums](#)

[Teaching files](#)

[Government policy](#)

[Media reports](#)

ARTICLE TOOLS



[Print this article](#)



[Indexing metadata](#)



[How to cite item](#)



[Supplementary files](#)



[Finding](#)

[References](#)



[Review policy](#)



[Email this article](#) (Login required)



[Email the author](#) (Login required)