

**EFFECT OF WASTEWATER COLLOIDS ON
MEMBRANE REMOVAL OF MICROCONSTITUENT
ANTIBIOTIC RESISTANCE GENES**

By

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Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University in
partial fulfillment of the requirements for the degree of

Master of Science

In

Environmental Engineering

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ultrafiltration, UF, nanofiltration, NF.

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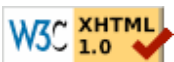
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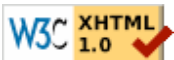
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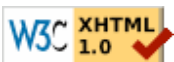
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