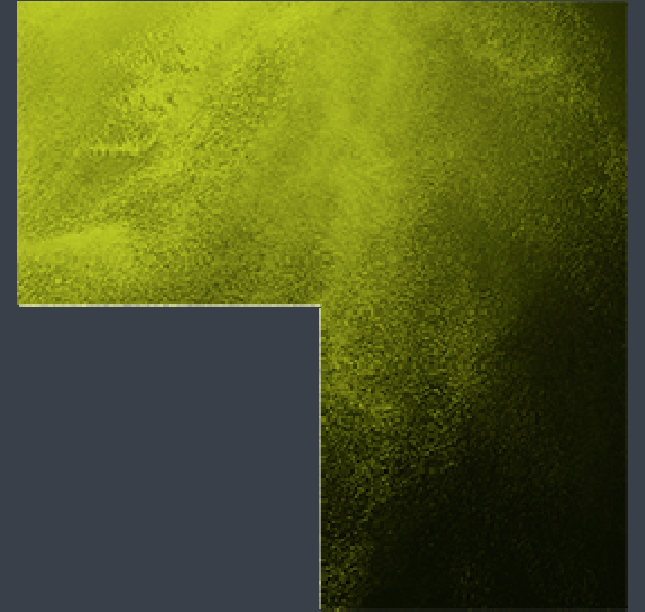


UV PEROXIDE A NEW ZEALAND APPROACH

DANIEL STEVENSON, HOLGER ZIPFEL

HARRISON
GRIERSON



WHY ARE AESTHETICS IMPORTANT?



TASTE AND ODOUR ISSUES IN NZ



More information at www.mfe.govt.nz or www.stats.govt.nz

Published in April 2017 INFO 792

Stats NZ
Tatuaranga Aotearoa



Ministry for the Environment
Māori: Mātauranga Whakapapa

TASTE AND ODOUR ISSUES



PREVENTION IN THE SOURCE WATER

Natural



Raw Water Sources



Manmade

REMOVAL THROUGH TREATMENT

Chemicals



Treatment Processes

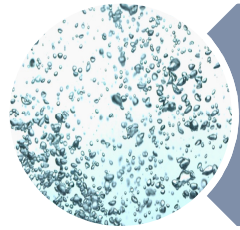
CONTROLS IN DISTRIBUTION SYSTEM

Biofilm

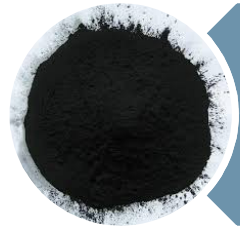


Distribution Network

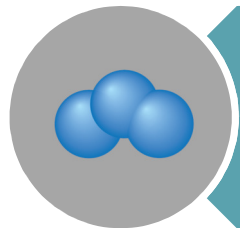
TASTE AND ODOUR REMOVAL



AERATION



ADSORPTION



OXIDATION

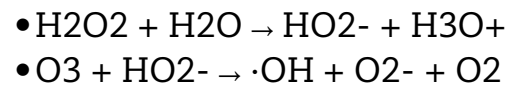
ADVANCED OXIDATION



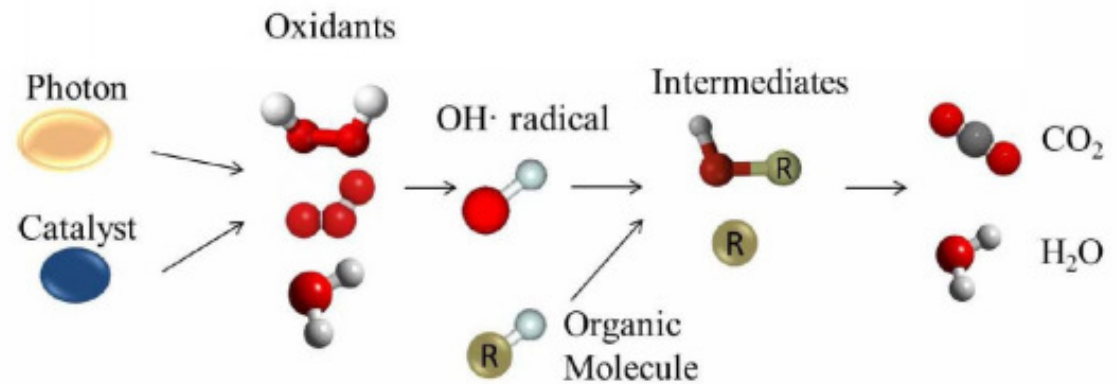
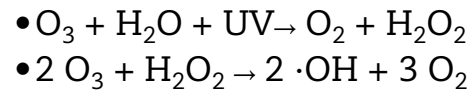
UV Peroxide



Ozone + Peroxide (Perozone)



Ozone + UV



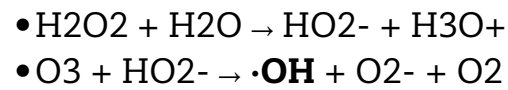
ADVANCED OXIDATION



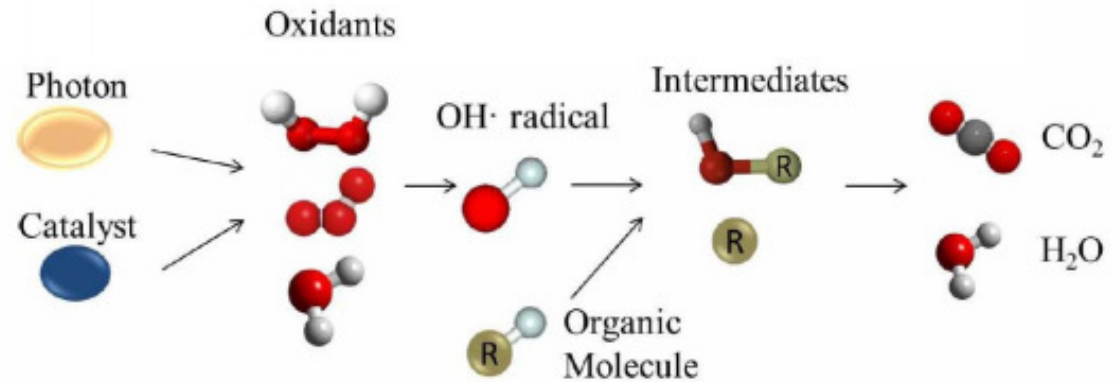
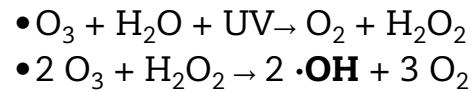
UV Peroxide



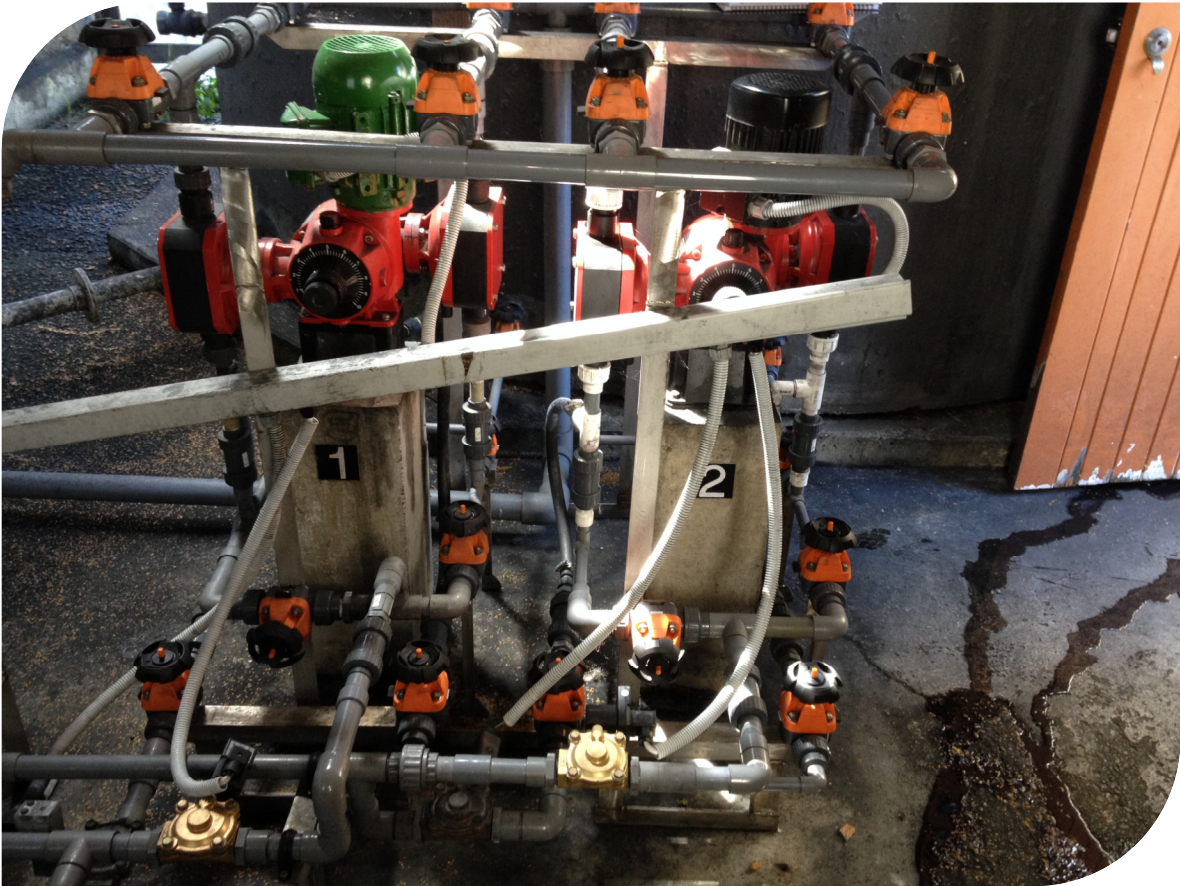
Ozone + Peroxide (Perozone)



Ozone + UV



CASE STUDY - BRANXHOLME WTP



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CASE STUDY - BRANXHOLME WTP



Fly Through Video Here

PROJECT OUTCOMES



CASE STUDY – PAEROA AND WAIHI WTP'S

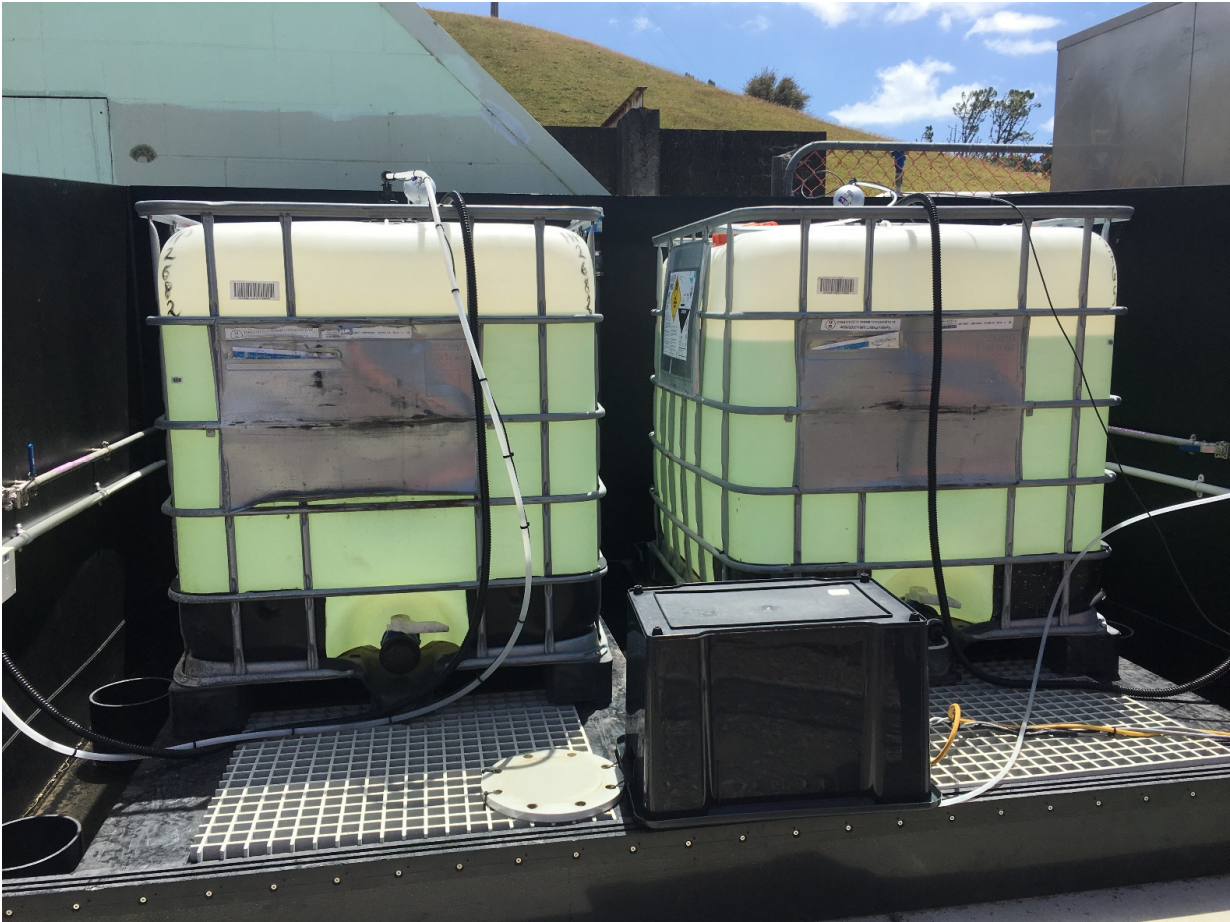


PAEROA WTP



WAIHI WTP

CASE STUDY – PAEROA AND WAIHI WTP'S



PROJECT OUTCOMES



HC