

MANAGEMENT OPTIONS FOR DOMESTIC WASTE WATER TREATMENT SYSTEMS SLUDGES

WHAT'S THE ISSUE?

THERE ARE
500,000
SEPTIC TANKS NATIONWIDE


WATER
POLLUTION



RESEARCH FINDINGS



473,000m³
TOTAL SEPTIC TANK SLUDGE
GENERATED EVERY YEAR



That would cover
Croke Park to **37m**

50%
Only 50% of sludge
can be treated
in current facilities



85%
of septic tanks are
over 25km away
from a WWTP with
spare capacity


DEVELOPING SOLUTIONS

1
HAVE YOUR
TANK
EMPTIED
REGULARLY

YOU MUST MAINTAIN
YOUR SEPTIC TANK

Potentially
80%
more
efficient

2
DESLUDGING ROTAS
Introduction of
DE-WATERING TRUCKS



3
MORE OPTIONS FOR SLUDGE
RECYCLING or DISPOSAL



Convert to
fertilisers



Recycling to
energy crops



Incineration
& pyrolysis

4 INFRASTRUCTURE
Investment is needed
for infrastructure
improvements



5 QUALITY AND
TRACEABILITY
A quality system is needed
to control the use of treated
sludge as fertiliser including
full traceability back to crop
production



6 CHANGE THE
LEGISLATION
Amendments are
needed to make
sludge recycling to
energy crops a
realistic disposal
option

