

IPPC and Effluent Treatment



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The IPPC Directive

Purpose

To achieve **integrated** prevention and control of pollution arising from certain industrial activities

Requires **BAT** to prevent, or, where that is not practicable, to reduce **emissions** to air, **water** and land.....in order to achieve a **high level of protection** of the environment taken as a **whole**.

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IPPC in England & Wales

PPC Regs 2000

c. 13 sets of amendments

IPPC - A Practical Guide

Phased Implementation by Sector 2001 - 07

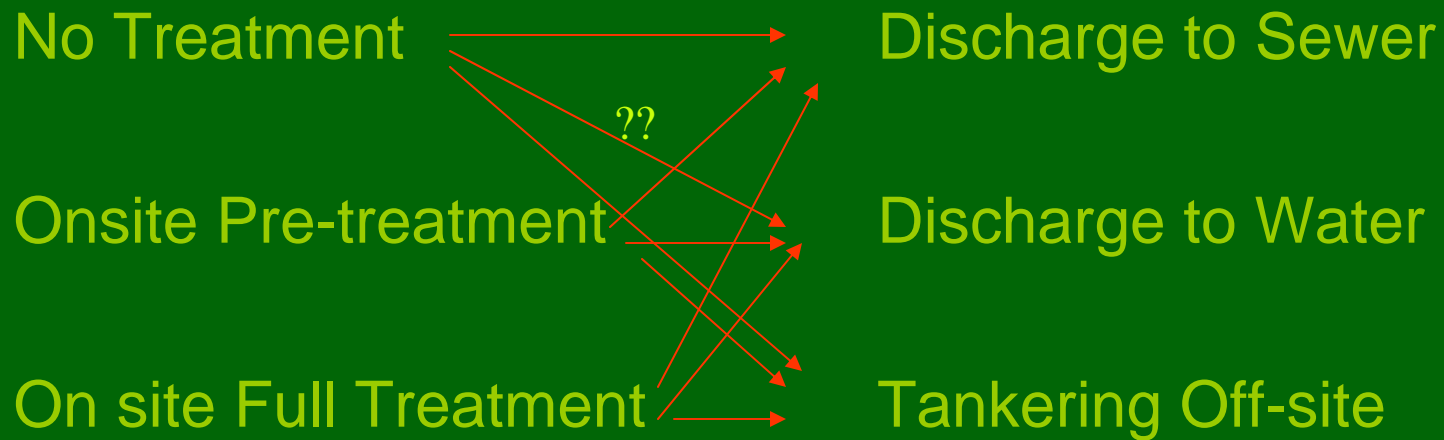
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Installation

*‘STU [comprising] one or more activities listed in... Schedule 1; and
...on the same site... any other directly associated activities...[with a] technical connection... and which could have an effect on pollution.’*

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Effluent Treatment



All combinations are (just about) possible

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Effluent Treatment Plants

Standalone Installation (merchant waste treatment)

Listed DAA of PPC Activity

Unlisted DAA of PPC Activity

Listed DAA of non-PPC Activity

STW

A Complicated Picture!

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ETPs as Listed Activities

To Sewer or Water

5.3 (a) - Hazardous waste disposal

10t/day

5.3 (c) (i) or (ii) - treatment for disposal

Biological

Physico Chemical

50t/day (incl the water!)

**Waste is
always more
complicated!**

SWMA

FAPP & Financial Provision

Not if DAA of non waste PPC

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Discharges to Sewer

Equivalent level of protection **GUARANTEED**

Intermittent discharges

BAT should consider on-site treatment

MoU with Water Industry

Treatability

Use of existing infrastructure

Provision of information to Operators

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Guidance

BREF (Wastewater treatment)

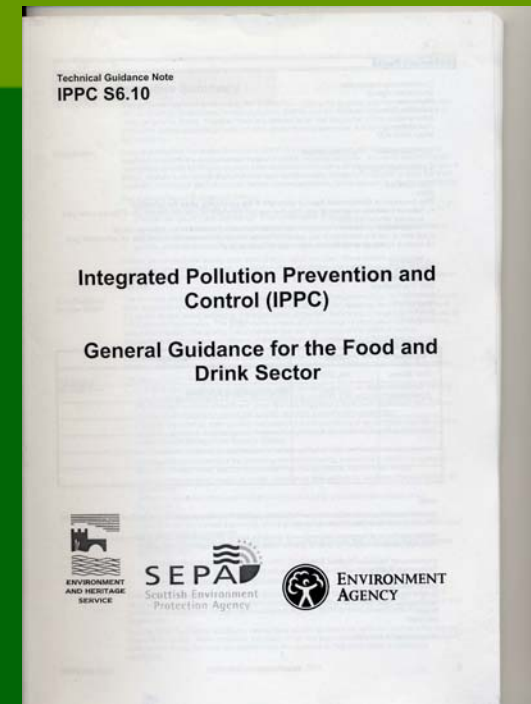
Sector Technical Guidance

Sector Permitting Plan

Regulatory Guidance Series

RGS 4 - Schedule 1

RGS 5 - Installations



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Application Windows

Hazardous Waste - Jun to Aug 05

Biological Treatment - Apr - Jun 06

Physio Chemical - Sep - Nov 06

Primary Activity

One month before window opens

Written request

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Summary

Effluent Treatment is a complicated picture
ETPs at non-PPC sites may be PPC
Wastes should be prevented where possible
Use of STW to treat wastewaters must
guarantee same level of protection

www.environment-agency.gov.uk/ippc