

# Ed Bastow Material Change Limited

30<sup>th</sup> April 2015



# Activities

- Anaerobic Digestion plants – grown crop and waste
- Composting sites –
  OWC and IVC
- Compost and bark sales
- Shredder and screen hire





# AD sites





# **Composting sites**

- 8 sites
- Approx 150 000TPA
- PAS100 and ISO 9001/14001
- Sales of various grades of compost including bagged
- Bark business selling mulch



## Shredder and screen hire



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### Helmdon site

Transfer station



AD area

Wood recycling

# Planning and permitting background

Long planning history

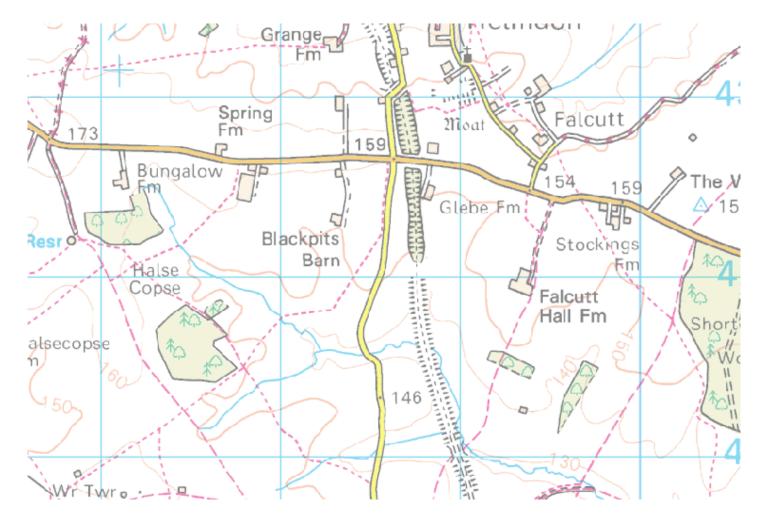
- Nov 2013 consent
- No specific mention of secondary containment
- Reference to lagoon cover
- EA fully consulted

- Pre-app meeting late
  2013
- No containment concern raised
- General discussion on site and process
- Further details requested

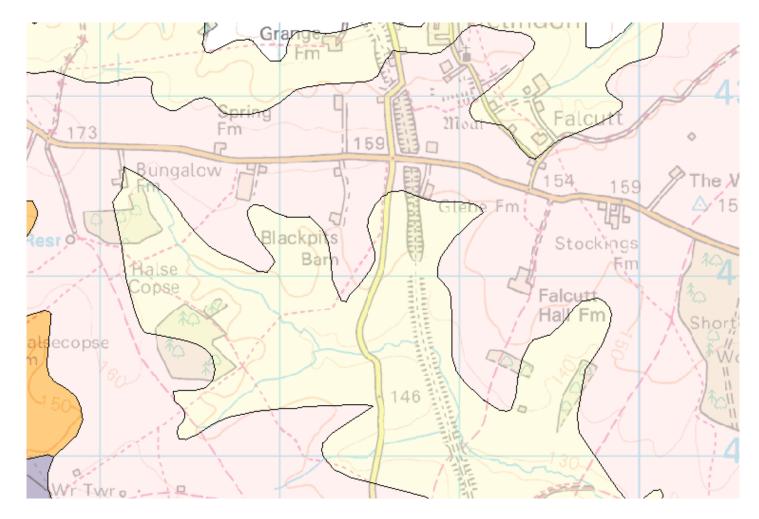
#### **Source Protection Zone**

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## Groundwater vulnerability



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# Timeline of discussions

• Feb 14 – Pre-app mtg

- March details supplied
- Late March EA email with detailed requirements
- April responses submitted including SSAFO
- May clamp drainage OK, then not acceptable
- June site meeting free advice over, clamp drainage OK
- September HDPE containment proposals inadequate

# Timeline of discussions

- September 14 tarmac containment, rejected
- October 14 fibre reinforced concrete, rejected
- November 14 Reinforced concrete
- December 14 Accepted

- Spring 15 in construction
- March 15 no seeding until secondary containment completed
- April 15 intermediate secondary containment accepted for seeding

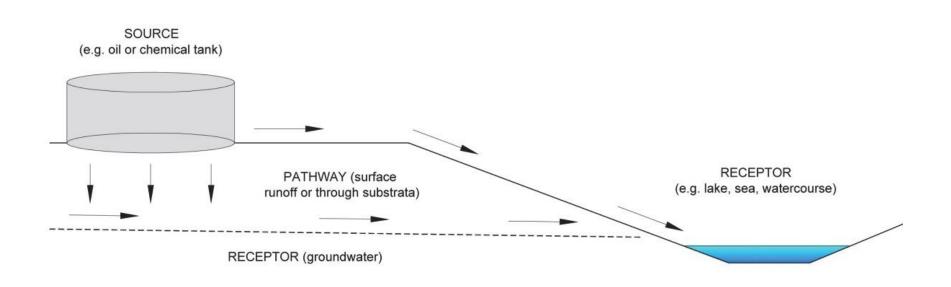


#### Site progress





# **Basic premise**



# Ciria background

- Irene Anders Scottish Environmental Protection Agency
- Jackie Coates Chemical Industries Association
- David Cole Ecovalve

- Michael Cooper Chemical Business Association
- Peter Davidson UK Petroleum Industry Association
- Chris Dickinson Environment Agency
- Ray Dickinson MoD Defence Infrastructure Organisation
- Martyn Emberson Chief Fire Officer's Association
- Nicola Fagin Bureau Veritas
- Owen Jenkins CIRIA
- Lee Kelly CIRIA
- Bruce McGlashan Environment Agency
- Mike Nicholas Environment Agency
- Peter Robery (chairman) CH2M Hill
- Barrie Salmon Tank Storage Association
- Mark Scanlon Energy Institute
- Roy Simpson Basis Registration Ltd
- Mike Summersgill CIWEM
- Ian Walton SLR Consulting



#### Lessons

- 1. Historical site development assumptions dangerous
- 2. Local officer exert significant power and sets agenda
- 3. Planning no longer the only suitable location factor
- 4. Early permit applications work better, but:
- 5. Changing policy and guidance undermines design process.

# Suggestions/observations

- 1. Engage with policy makers in good time, if known
- 2. Understand timetable for implementation, if given
- 3. Who measures whether a policy is proportional?

#### **Project NPV with changing externals**

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10000000 9000000 8000000 7000000 6000000 5000000 Secondary containment Tarrif degression Base case Digestate storage regs



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