Fylde Peninsula Water Management Partnership
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Head of Coastal & Environmental Partnership Investments
and
Robert Tidwell
Wastewater Asset Manager, United Utilities
Fylde Peninsula Water Management Group –
Bathing Waters
Summary Presentation

• The Partnership – Brief History

• Partnership Priorities

The Challenges & Remit of the Partnership

• Coast Defence

• Surface Water Management – Capturing Data

• Lead Flood Authority

• Sustainable Drainage

Bathing Waters

• United Utilities – Flood Alleviation/SW Management & Bathing Water Improvement
The Partnership Brief History

• Multi Area Agreement Wyre, Fylde & Blackpool

• Blackpool’s duties as lead local flood authority

• Bathing Water Directive
The Fylde Peninsula
The Partners

- Blackpool Council
- Fylde Borough Council
- Wyre Borough Council
- Lancashire County Council
- Environment Agency
- United Utilities
- Keep Britain Tidy
- Merlin
Remit of the Group

• Coast Defence

• Surface Water Management

• Flood & Water Management

• Sustainable Drainage Systems

• Bathing Waters
Partnership - priorities

1. Partnership signed up and on-board

2. Develop 25 year vision and work programme (Action Plan)

3. Deliver actions in respect of bathing waters, coastal defence opportunities and flood prevention

4. Seek funding opportunities and best placed partners for effective working

5. Enhanced partner communication and common voice

6. Education or stakeholders and our next generation

7. Vital to present the economic benefits of improving the environment of the Fylde Peninsula
The Challenges
Coastal Defence
Anchorsholme and Rossall Coastal Protection Scheme
Lead Flood Authority
Flood risk

• Fylde Coast peninsula area
• 29,414 properties at risk from flooding
• 6,500 properties at risk of surface water flooding
• Over £126 million invested on coastal protection
• £80 million planned schemes
Sustainable Drainage & Planning

• New Legislation
• Key driver to reduce water entering sewer network & increase opportunity to treat water in situ
• Good practice case study (Moor Park, Blackpool)
• Role out ambitious wider plan for delivery across 3 Local Authorities
• Duties of lead Local Flood Authority via Planning Process
Bathing Waters
Bathing Waters Legislation

• Current Bathing Water Directive (CBWD) up to 2014

• Revised Bathing Water Directive (RBWD) to reduce and prevent the pollution of bathing waters more stringent – From 2015
### What do we measure?

<table>
<thead>
<tr>
<th>Current Directive</th>
<th>Revised Directive</th>
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</thead>
<tbody>
<tr>
<td>Total coliforms</td>
<td>Intestinal Enterococci</td>
</tr>
<tr>
<td>Faecal coliforms</td>
<td>E. Coli</td>
</tr>
<tr>
<td>Faecal streptococci</td>
<td>Based on 4 year date set</td>
</tr>
<tr>
<td></td>
<td>1\textsuperscript{st} classification end 2015</td>
</tr>
</tbody>
</table>

20 per year *Samples from May to September*
Comparison of the classifications of the current and revised Bathing Water Directives

- Mandatory
- Guideline
- Sufficient
- Good
- Excellent

95th percentile Enterococci concentration in the water column (No./100ml)

Current Bathing Water Directive

Revised Bathing Water Directive
Bathing Waters : New Bathing Water Directive has moved the goalposts!

- 8 designated bathing waters – passing mandatory standard 2000-09

- In 2012 - 7 out of the 8 were predicted to be poor

- In 2015 - 3 to 4 out of the 8 are predicted to be poor

- Wide range of issues to be tackled limited timescales

- Duty to erect information signs
Transition

- It will be necessary to display signage advising public against bathing for waters which only meet ‘poor’

- Following five consecutive ‘poor’ classifications the site will be removed from designated status and permanent signage displayed
What are the Problems / Challenges
Extending the Partnership

• Turning Tides Board – chaired by Blackpool Regional View

• Young Ambassadors

• Communications

• Planning Policy

• Scrutiny established across the Fylde Peninsula

• Fylde beach care
MEMBERSHIP OF THE PARTNERSHIP
Governance
United Utilities
Flood Alleviation / Bathing Water improvements

SW Management

• Historically all foul and surface water sewage used to be pumped out to sea.

• Watercourses and property connected to combined sewer for disposal into the Irish Sea

• Effective First Time Sewerage came to Blackpool / Fleetwood area with North West Water “Sea Change programme”

• Legacy leaves major surface water management problems impacting upon
  • Spills to bathing waters from UU assets
  • Flooding problems on low lying areas
  • Requirement to pump flows during high tidal situations
Development of United Utilities System

• Pumped discharges of Manchester Square, Anchorsholme and Chatsworth Avenue intercepted with Fylde Coast Tunnel in 1996

• Fylde Tunnel drains along the coast up to a Fleetwood wastewater treatment works in the north of catchment

• Initial 90,000 cum of storage doubled over the last 15 years to reduce “storm spills”

• Change of approach for our AMP6 considers “new approach”
  • Extending outfalls to ensure infrequent storm spills do not impact on bathing waters
  • Start to “turn the tide” and remove surface water where opportunities arise
Benefits of SWMP

Local Authority

• Identify ‘hotspot’ areas of surface water flood risk
• Will provide evidence to attract potential funding
• Potential to identify areas for Sustainable Drainage Solutions

United Utilities

• Reduce storm spills to Irish Sea / Bathing waters
• Reduce operational costs of pumping surface water across the catchment, treatment and pumping 5 kilometres out to sea
• Provide localised management of surface water to reduce UU flood risk to property
United Utilities Work outside the Fylde Peninsula area

- United Utilities invested £160million within Preston reducing spills – completed 2014
- Further work on UU assets highlighted for Blackburn, Chorley and Preston WwTW
- Working with Ribble and Wyre Rivers Trust to investigate and help support the improvement of other contaminated sources
- Timescales for all work targeting improvements ahead of the 2020 classifications which could see bathing waters de-designated
## Revised Action Plan for 2015 going forward

<table>
<thead>
<tr>
<th>Action</th>
<th>Lead</th>
<th>Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Reduce the number and volume of spills from water company assets and reduce the flood risk within the sewer network</td>
<td>United Utilities</td>
<td>1 - 4 years</td>
</tr>
<tr>
<td>2. Reduce pollution from surface water outfalls and private sewage systems</td>
<td>Environment Agency</td>
<td>2 – 5 years</td>
</tr>
<tr>
<td>3. Reduce pollution from rural and agricultural land 2 – 10 years</td>
<td>Environment Agency</td>
<td>2 – 10 years</td>
</tr>
<tr>
<td>4. Reduce pollution from activities on bathing beaches</td>
<td>Local Authorities</td>
<td>1 - 10 years</td>
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</tbody>
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### Action Plan

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</thead>
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<tr>
<td>5. Work with the tourist industry and local businesses to champion</td>
<td>KBT</td>
<td>1 – 10 years</td>
</tr>
<tr>
<td>improving bathing water</td>
<td></td>
<td></td>
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<tr>
<td>6. Develop and support community and business initiatives that foster</td>
<td>KBT</td>
<td>1 – 10 years</td>
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<tr>
<td>ownership of bathing beaches</td>
<td></td>
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<tr>
<td>7. Create 50 hectares of retrofitted sustainable drainage</td>
<td>Blackpool</td>
<td>5 – 10 years</td>
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<tr>
<td>Action</td>
<td>Lead</td>
<td>Timeframe</td>
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<td>-----------------------------------------------------------------------</td>
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<tr>
<td>8. Prioritise development on brownfield land</td>
<td>Local Authorities Planning</td>
<td>5 – 20 years</td>
</tr>
<tr>
<td>9. Management of surface water from new developments meets current best-practice standards</td>
<td>Local Authorities</td>
<td>5 – 20 years</td>
</tr>
<tr>
<td>10. Incorporate best-practice water efficiency measures in new developments</td>
<td>Local Authorities</td>
<td>5 – 10 years</td>
</tr>
</tbody>
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WHAT IS NEXT

• Continue to communicate with clear messages to public and business

• Continue with campaigns

• Maintain funding for resource and projects
  • Damage limitation
  • Perception
  • Residents
  • Economic Effect

• Maintain and grow partnership relationships

• Deliver Fylde Peninsula Action Plan
Thank You