

Minutes of Meeting



Project Number: A047283-19/00

Title: Newark and Sherwood IDP

Name Of Meeting: Strategic Water and Wastewater Asset Information

Meeting Held At: STW Offices, Raynesway, Derby, DE21 7JA

Date And Time: 15 May 2009, 9:30am

Minutes Taken By: Mark McCormick

Attendees: Matthew Foster (MF) – Severn Trent Water
 Robin Nutall (RN) - Severn Trent Water
 Tim Dawe(TD) – JMP Consulting
 Jason Horner (JM) WYG
 Mark McCormick (MM) WYG

Apologies: Andrew Norton – Newark and Sherwood District Council (Apologies)

Distribution: Attendees and Apologies
 Andrew Ballinger (AB) - WYG

Date Of Next Meeting: To be arranged as required

Date Of Issue: 18 May 2009

File Reference: A047283-19/00

Activity	Minutes	Actions
1. Introduction	<p>MF and RN provided an overview of the Severn Trent Water teams for potable water and wastewater infrastructure at both strategic level and development level.</p> <p>MF advised that he lies within the Water and Wastewater Strategy teams that deal with the wider strategic issues associated with population and employment growth within the Severn Trent Water region.</p>	

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	The Customer Operations Team (led by Robert Chesman, Customer Operations Manager) are responsible for water and wastewater provision (new connection activities) at a development level. Dave Essex heads-up the strategic network planning function.	
2. Programme for Delivery of Newark and Sherwood IDP and WCS	MM advised that the timescales for WYG to deliver the IDP report has now slipped beyond what was originally expected, and therefore the information from Severn Trent Water was required urgently to complete the IDP report being prepared by WYG.	
	TD advised of the following programme for delivery of key aspects of the WCS. <ul style="list-style-type: none"> o Draft Detail Strategy Report – 19 June 2009 o WCS Steering Group Meeting – 9 July 2009 o Final Detail Strategy Report - TBC 	
3. Provision of GIS Data	MF advised that he had spoken to his GIS and Legal Teams regarding provision of the GIS data and this would be delivered to both WYG and JMP by the end of May 2009 at the latest. The data would be provided in ESRI Shapefiles (.shp file).	MF
	MM to provide Severn Trent Water with the development cluster and site locations in ESRI Shapefiles (.shp file), so that this can be incorporated into their GIS, and used in the strategic network analysis	MM
4. Capacity Constraints and Deficiencies of Strategic Water Infrastructure	JH queried what elements of network reinforcement would be developer funded, and what elements would be funded by Severn Trent Water. MF broadly outlined that: <ul style="list-style-type: none"> o Reinforcement of water abstraction and water treatment works would primarily be funded by Severn Trent Water through their AMP programmes. o Reinforcement of any apparatus downstream of the water treatment works (including strategic water mains) would likely require a developer contribution; with infrastructure charges playing a part. o If a strategic scheme was being designed to benefit multiple developments then Seven Trent Water would likely forward fund this proportion of the work and introduce a capital claw 	



	<p>back mechanism (or roof tax) for any development benefiting from the scheme. It was highlighted that this claw back was limited to a 12 year period.</p> <ul style="list-style-type: none"> Wastewater investment is typically incorporated into AMP programmes, but similar to water will not be funded until triggered by an external need. Therefore programming of this investment is the most problematic to Severn Trent Water. 	
	<p>MF provided a copy of a summary spreadsheet identifying a broad brush assessment of the suitability of the strategic <u>water</u> network to accommodate growth. The key points of this can be summarised as follows:</p> <p><u>Newark and Balderton</u> Strategic network reinforcement is required to accommodate the growth identified within the emerging LDF. MF advised that approximately 13km of 500/600mm strategic water main had been identified as a possible reinforcement solution.</p> <p>The new strategic water main would likely extend from the existing Carr Colston strategic water main located 13km to the south of Newark (Near the A46 – Bingham Roundabout) The cost of this scheme is currently estimated at c.£6M. The scheme was likely to be triggered by a developer application (Catesby Developments) who were interested in developing settlement 1A to the south of Newark, however the scheme would also take into account future growth. Therefore a proportion of costs would likely be funded by Severn Trent Water.</p> <p>MF advised that Catesby Developments have proposed to commence onsite development in 2011, however this is subject to market conditions and a successful planning application being made. MF advised that completion of any strategic scheme would likely be 3-4 years away due to design and environmental impact considerations. An interim solution was likely to be implemented to allow a first phase of development to progress while the strategic scheme was being procured.</p> <p><u>Ollerton and Boughton, Southwell, Collingham, Farnsfield, Lowdam, Sutton on Trent</u> It is likely that minor downstream network improvements to the distribution water infrastructure would be required to accommodate the growth identified within the emerging LDF, however Severn Trent</p>	



	<p>Water will review this based on the revised population figures provided by JMP.</p> <p><u>Clipstone, Rainworth, Bilsthorpe, Blidworth and Edwinstowe</u> The need for strategic reinforcement is still to be considered by Severn Trent Water for these settlements. Severn Trent Water has still to fully consider growth at these locations.</p> <p>It was highlighted by MF that all outlying settlements would appear to only require minor very minor improvements to the distribution water networks to accommodate growth, however this will be reviewed by Severn Trent Water based on the current emerging LDF growth figures issued by JMP and WYG.</p>	
<p>5. Capacity Constraints and Deficiencies of Strategic Waste Water Infrastructure (in-part based on email correspondence handed-out at the meeting)</p>	<p>MF provided a copy of a summary email from Paul Hurcombe of Severn Trent Water, which provided details of the population served by each sewage treatment works against the additional population generated each development scenario. This email also highlighted the likely suitability of each STW to accommodate the additional growth identified within the emerging LDF.</p> <p>This information briefly outlined the following for each settlement:</p> <p><u>Settlement 1A, 1B, & 1C - Newark and Balderton:</u> Balderton STW has insufficient capacity to accommodate growth generated by the emerging LDF. Likely upgrading of the treatment works would be required. A £7M investment programme is anticipated.</p> <p><u>Settlement 5 - Ollerton and Boughton</u> This settlement would likely drain to Boughton STW. This would result in a significant increase in the population served, and therefore upgrading of the treatment works may be required.</p> <p><u>Settlement 7 - Clipstone</u> It is possible that this settlement would either drain to Edwinstowe STW or Mansfield Bath Lane STW. There may be capacity implications at both STW's to accommodate the growth scenarios, and upgrading may be required.</p> <p><u>Settlement 9 - Rainsworth</u> The Rainsworth STW is likely to be sufficient to accommodate the growth scenario, however further analysis will be required by Severn</p>	



	<p>Trent Water.</p> <p><u>Settlement 12 - Southwell</u> The STW is unlikely to have sufficient capacity to accommodate the load generated by the emerging LDF.</p> <p><u>Settlement 8 - Bilsthorpe</u> The STW is unlikely to have sufficient capacity to accommodate the load generated by the emerging LDF.</p> <p><u>Settlement 10 - Bidworth</u> This settlement is likely to drain to Rainsworth STW, and therefore capacity is unlikely to be an issue subject to further analysis by Severn Trent Water.</p> <p><u>Settlement 3 - Collingham</u> The STW is unlikely to have sufficient capacity to accommodate the growth generated by the emerging LDF.</p> <p><u>Settlement 6 - Edwinstowe</u> The STW is likely to be sufficient to accommodate the growth generated by the emerging LDF, however further analysis will be required by Severn Trent Water.</p> <p><u>Settlement 11 - Farnsfield</u> The STW is unlikely to have sufficient capacity to accommodate growth within the emerging LDF.</p> <p><u>Settlement 13 - Lowdham</u> The current village pumps to Stoke Bardolph STW via a long pumping main. There is likely to be sufficient capacity at the STW to accommodate the growth scenario for this settlement, however the existing Lowdham pumping station and rising main is unlikely to have sufficient capacity.</p> <p><u>Settlement 4 - Sutton on Trent</u> The STW is unlikely to have sufficient capacity to accommodate the growth identified within the emerging LDF.</p>	
6. Summary of Actions	MM to issue GIS format cluster data to MF by 20 May 2009	MM
	MF to issue all Severn Trent Water GIS data to both WYG and JMP by 29 May 2009	MF

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	MF \ RN to arrange for water and wastewater constraints and capacities to be updated based on information submitted by WYG and JMP. A timeframe of when this information can be provided shall be confirmed by 29 May 2009	MF \ RN
	MF to provide a high level drawing identifying the 13km of strategic trunk main proposed from Carr Colston together with an update on the likely budget costs – by 29 May 2009	MF
7. Date of Next Meeting	To be arranged as required	

