

UPGRADE OF CHELSON MEADOW LANDFILL SITE

June 2017



STAGE I: WHAT IS BEING ASSESSED AND BY WHOM?

Following the closure of the landfill facility the site has been profiled, capped and restored and the final piece of the programme is to agree the landfill closure plan which will dictate how the site will be monitored and maintained for the next 60 or 70 years to ensure the safety of the surrounding environment.

The 2 main areas of investment are in preventing the migration of landfill gas and leachate from the site in order to prevent a serious pollution incident to the surrounding environment, which includes the Plym Estuary, National Trust land (including agricultural land) and a large scale new housing development.

It is a statutory requirement to provide a closure plan. The reports and studies already undertaken have identified certain works that need to be undertaken in order to meet the requirements of the closure plan.

On-site gas and leachate boreholes are required to manage the gas field and in-site leachate levels, although the effect of reducing the leachate level will be to generate more landfill gas in the short-term which is captured by a partner contractor in order to create electricity which is sold to the national grid for which we receive royalty payments.

Parts of the Leachate Treatment Plant which collects all of the leachate produced by the waste that has been landfilled have been in operation 24/7 for the last 23 years and despite regular maintenance the blower units (which aerates the leachate as part of the treatment process) are considered to be a statutory noise nuisance after assessment which is now considered an issue by the Environment Agency in light of the close proximity to the site of the new housing development being built next door.

The replacement units will reduce the cost of on-going maintenance and energy costs as well as meet acceptable noise levels.

The costs associated with these works

- The costs of the new blower units will be £125,000.
- On-site gas and leachate wells will be £30,000.
- Off-site gas and leachate monitoring boreholes will be £80,000.

The joint local plan identifies this site as a countryside park, but this cannot take place until the results of regular monitoring indicate that gas and leachate production has ceased, but this cannot happen if the infrastructure identified is not put in place.

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Department and service	Street Services, Place
Date of assessment	26 June 2017

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STAGE 2: EVIDENCE AND IMPACT

Protected characteristics (Equality Act)	Evidence and information (eg data and feedback)	Any adverse impact See guidance on how to make judgement	Actions	Timescale and who is responsible
Age	<p>The investment in the landfill site will not have a negative effect on people of certain ages.</p> <p>Younger people (18-24) are more likely to be unemployed. In March 2013 it was estimated that nearly 500 young people in our city aged between 16 and 18 were Not in Education, Employment or Training (NEET). Children under the age of 18 account for 19.8% if our population within this 17.5% are 16.</p> <p>The proportion of people living in our community who are aged over 75 years old is predicted to increase by a quarter by 2021. Elderly people especially those about the 75 plus age bracket are among the heaviest users of</p>	The investment in the landfill site will not have a negative effect on people of certain ages.		Departmental Managers Ongoing

	<p>our services for social care etc. The priorities for older people are respite/day care, libraries, and volunteering, increased charges resulting from reduced subsidies.</p>			
<p>Disability</p>	<p>The investment in the landfill site will not have a negative effect on people of certain ages.</p> <p>10% of our population have their day-to-day activities limited a lot by long-term health problems. Nationally there are 143,400 people registered blind and 147,700 people registered as partially sighted.</p> <p>30,000 people in Plymouth will have some form of Mental Health issue.</p> <p>0.8% (2118) of those registered with a GP is listed on the mental health register.</p> <p>A total of 31,164 people declared themselves as having a long-term health problem or disability in the 2011 Census.</p> <p>1,224 adults currently registered with a GP in Plymouth have some form of a Learning Disability</p>	<p>The investment in the landfill site will not have a negative effect on people with disability.</p>		<p>Departmental Managers Ongoing</p>

<p>Faith/religion or belief</p>	<p>The investment in the landfill site will not have a negative effect on people of different Faith/belief or religion.</p> <p>Data shows that 32.9% of the Plymouth population stated they had no religion.</p> <p>Hindu, Buddhist, Jewish and Sikh combined totalled less than 1%.</p> <p>0.5% of the population had a current religion that was not Christian, Islam, Buddhism, Hinduism, Judaism, or Sikh such as Paganism or Spiritualism.</p> <p>From our surveys of customer contacts for the year 2013 we know that people accessing services with a faith, religion or belief was:</p> <p>Buddhist – 183 Christian – 2,558 Hindu – 45 Jewish – 27 Muslim – 69 Sikh – 23 None – 815</p>	<p>The investment in the landfill site will not have a negative effect on people of different Faith/belief or religion.</p>		

	<p>Other – 336 Prefer not to say - 478</p>			
<p>Gender - including marriage, pregnancy and maternity</p>	<p>The investment in the landfill site will not have a negative effect on people of different Gender.</p> <p>Citywide data shows that overall 50.6% of our population are women; this reflects the national figure of 50.8%</p> <p>From our surveys of customer contacts for the year 2013 we know that people accessing services based on gender was:</p> <p>Female – 2631 Male – 1938 Prefer not to say - 330</p>	<p>The investment in the landfill site will not have a negative effect on people of different Gender.</p>		
<p>Gender reassignment</p>	<p>The investment in the landfill site will not have a negative effect on people who have had a gender reassignment.</p> <p>National figures (ONS 2013) indicate that up to 10,000 people have gone through this process, with 23 known cases in Plymouth.</p>	<p>The investment in the landfill site will not have a negative effect on people who have had a gender reassignment.</p>		

<p>Race</p>	<p>The investment in the landfill site will not have a negative effect on people of different Race.</p> <p>92.9% of Plymouth’s population is White British 7.1% are Black and Minority Ethnic (BME) with White Other (2.7%), Chinese (0.5%) and Other Asian (0.5%) the most common.</p> <p>The Council has 4.1% BME employees across its workforce.</p> <p>We have a rapidly rising BME population which has doubled since the 2001 census:</p> <p>From our surveys of customer contacts for the year 2013 we know that people accessing services based on race / ethnicity was:</p> <p>Asian or Asian British – 71 Black or Black British – 47 Mixed – 90 N/A – 157 White – 4170 Prefer not to say - 378</p>	<p>The investment in the landfill site will not have a negative effect on people of different Race.</p>		
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Sexual orientation - including civil partnership	<p>The investment in the landfill site will not have a negative effect on people of different sexual orientation.</p> <p>There is no precise local data on numbers of Lesbian, Gay and Bisexual (LGB) people in Plymouth, but it is nationally estimated at between 5 – 7%. This would mean that approx. 12,500 people aged over 16 in Plymouth are LGB.</p>	<p>The investment in the landfill site will not have a negative effect on people of different sexual orientation.</p>		
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STAGE 3: ARE THERE ANY IMPLICATIONS FOR THE FOLLOWING? IF SO, PLEASE RECORD ACTIONS TO BE TAKEN

Local priorities	Implications	Timescale and who is responsible
Reduce the inequality gap, particularly in health, between communities	None	Departmental managers Ongoing
Reduce the gap in average hourly pay between men and women by 2020.	No	
Increase the number of hate crime incidents reported and maintain good satisfaction rates in dealing with racist, disablist, homophobic, transphobic and faith, religion and belief incidents by 2020.	none	Ongoing
Good relations between different	There is no evidence to suggest that this will affect relationships within	

communities (community cohesion)	the various communities of Plymouth.	
Human rights Please refer to guidance	<p>Plymouth City Council recognises (Article 14) the Human Rights Act – The right to receive Equal Treatment and prohibits discrimination including sex, race, religion and economic and social status in conjunction with the Equalities Act which includes age and disability.</p> <p>All service users will be treated fairly and their human rights will be respected.</p> <p>No adverse impact on human rights has been identified.</p>	Ongoing

STAGE 4: PUBLICATION

Responsible Officer

Date

Assistant Director for Finance