

Debbie Pennington

From: [REDACTED]@campbellreith.com
Sent: 08 June 2017 09:33
To: [REDACTED]
Cc: daedalusphase1@campbellreith.com; Jeremy Herring; [REDACTED]
[REDACTED]
[REDACTED]@carterjonas.co.uk; [REDACTED]
[REDACTED]
Subject: Re: 12575 - Daedalus Waterfront - Planning Meeting Update

Andy,

Further to my email below and your meeting with Natta onsite on Friday 26 May.

We understand that it was agreed with Natta that points 1- 4 would be issued to you and [REDACTED] by the 9th June for final comment/approval before these are completed. As below:

1. Provide a plan showing the following:

- Stockpile location (identifying height and material type)
- Stockpile location of un-processed material
- Location of processing plant
- Dust monitoring locations *(see point 4 below)

2. Provide a plan showing hydrant locations across site

3. Natta to expand on their Dust Suppression strategy. This should also include a methodology for keeping dust generation down when working with the stockpiles

4. Produce a dust monitoring strategy along with monitoring locations

We have reviewed your request for the installation of a mixture of heras fencing (with netting) and wooden hoarding (Point 5) as per the attached plan. Please note that the heras fence with netting positioned to the east of the eastern stockpile has also been reinstated.

We are of the view that this additional fencing/hoarding would achieve very little if any benefit and will have little effect on dust control. This would only be providing a physical barrier of the Phase 1 works for the nearby residents at ground floor level (which is currently being achieved by the existing perimeter hoarding), at first floor level the nearby residents would be able to look over both perimeter hoarding and this additional fencing/hoarding.

We would suggest that the current agreed dust suppression measures with the additional items included in points 1 to 4, provide sufficient dust suppression and sufficient monitoring. If for whatever reason this proves not to be sufficient we would then consider the installation of a physical barrier. We have also explored the use of upvc spray on the open areas on the east side, as with the additional barrier we would consider installing this if the current measures prove to be insufficient.

As a point of interest, installing the additional heras/hoarding and upvc spray carries a large financial burden of £20,000+, we have a duty to our client as a government agency to ensure that public money is not wasted.

We are more than happy to run through the above with you and [REDACTED] as we want to be open and transparent on this and for us all to be in agreement with an approach. Are you both available to meet 10am on site Friday 16th June?

Feel free to call to run through this in more detail

Regards

[REDACTED]

Debbie Pennington

From: [REDACTED]@campbellreith.com
Sent: 07 July 2017 16:39
To: Jeremy Herring
Subject: Fw: Dust suppression at Daedalus
Attachments: Dust mitigation cost options.xlsx

51

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----- Forwarded by [REDACTED] CRH on 07/07/2017 16:38 -----

From: [REDACTED] CRH
To: Jeremy Herring <Jeremy.Herring@hca.gsi.gov.uk>
Cc: "daedalusphase1@campbellreith.com" <daedalusphase1@campbellreith.com>, [REDACTED]@CampbellReith, [REDACTED]@CampbellReith
Date: 07/07/2017 15:41
Subject: RE: Dust suppression at Daedalus

52

Jeremy

As discussed in your email below see responses and approximate costs for each option:

Option 1 - Independent testing of stockpiles to demonstrate there is no asbestos/contaminants

Reuse of demolition crush material is dependent on the material having as low as possible asbestos content, acknowledging and managing the residual risk that this presents during construction and in its final use. Proving that crushed demolition arisings have a low asbestos content is a 'lines of evidence based approach' that is backed up by reassurance testing. As requested we can increase this testing frequency if desired. It should be stressed that any stockpile of crush demolition arisings cannot be guaranteed '*asbestos free*' even having following all appropriate methods of work, clearance, licensing etc, in addition, there is diffuse asbestos in the environment anyway, especially in made ground.

We would suggest if additional testing were to be pursued then we discuss further to ensure an agreed approach with the statutory authorities prior to promising this testing. As discussed, [REDACTED] is completing a few notes on the "lines of evidence approach" completed to date.

Cost of this sampling and testing for both east and west stockpiles is approximately **£6,000** (if split into just east £3,000, if just west £3,000). This includes for CR time etc

Option 2 - Use of the uPVC on the stockpiles (East only):

uPVC spraying will last for up to 6 months if undisturbed. It will seal the surface so any worries of possible contaminants being airborne will be dismissed. The pallet size is sufficient to cover 10,000m² so we either save some for a return visit if and when required or spray a larger area. Due to a two week lead in we may need to water spray for the first two weeks. The actual surface area of the stockpiles of both crushed and uncrushed for east only is approx. 5,000m².

Cost of this is approximately **£11,000** (item c in enclosed Natta spreadsheet)

Option 3 - Visibly watering down the stockpiles on a twice daily basis (East only)

Watering is very labour intensive and will take about 4 hours a day to execute. In very hot or windy weather it still may

not cope due to the quickness of drying out. It also uses a considerable amount of water. Due to increased vehicular activity suggest a dedicated haul road be installed using onsite planings and sweeping existing tarmac road to reduce impact of dust when carrying out the watering exercise twice daily.

Cost of this is approximately £4,500 for haul road/sweeper (may not be required if wetting down) and £15,500 for watering twice daily by bowser upto end of October - total approximately **£20,000** (items a and b in enclosed Natta spreadsheet)

We looked at an alternative to bowser watering process is to install plumbed misters around each stockpile to minimise vehicle movements and dust disturbance. but this would require installation of permanent pipework and power supply to achieve the required pressure for such a system so this has been discounted at this stage.

Option 4 - Moving the stockpiles to west

Moving stockpiles to the west will only create further dust and that material will need to be brought back to the East when road construction commences. There is about 5000m3 of crushed materials plus the uncrushed say 1000m3.

To excavate haul and deposit @ say £5.50/m3 would be a cost of approximately **£33,000.00** which cannot be justified.

The above costs are approximate at this stage, but give you an idea of the order of cost and include Natta's overheads/profits etc

Speaking with Natta the stockpiles would be used by end of October approximately (this also coincides with wet winter weather)

Let me know if you require anything further.

Regards

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Item	Description	Qty	Unit	Rate	Amount
Dust Mitigation Options as Kevin Bournier Site Visit 06-07-2017					
a)	Construct planings haul road approx 60m x 6m wide 300mm thick				
	360 Excavator loading	6	hrs	27.75	166.50
	Machine Operator	6	hrs	30.54	183.24
	360 Excavator spreading	9	hrs	27.75	249.75
	Machine Operator	9	hrs	30.54	274.86
	ADT	6	hrs	39.00	234.00
	Machine Operator	6	hrs	30.54	183.24
	Roller	9	hrs	5.50	49.50
	Bankman/roller driver	9	hrs	23.16	208.44
	Note: Credit 100m3 Planings from free issue	100	m3	24.21	2,421.00
	Thoroughly sweep existing tarmac roads to this area to ensure dust not generated when water spraying- Road sweeper	2	days	300.00	600.00
					4,570.53
					£ 4,570.53
b)	Spray all stockpiles twice a day 2x2 hrs				
	Labourer	4	hrs	23.16	92.64
	Bowser with pump	4	hrs	6.05	24.20
	9te Dumper	4	hrs	15.91	63.64
			Per day		180.48
	July/Aug/September/October	17	weeks	902.40	15,340.80
					£ 15,340.80
c)	Apply uPVC spray to all stockpiles, type 1, 6F1/2 and uncrushed materials.				
	Surface area m2 Min pallet size will cover 10,000m2- See Hydro Turf e mail 07/07/2017	10000	m2	1.10	11,000.00
	NB: Product has a two week lead time- may need to water untill spraying works commence				£ 11,000.00
d)	Note: One application should last 6 months if undisturbed. It is anticipated that the stockpiles will need to be accessed/removed in November 2017				
	Re application if required		m2	1.10	0.00
					£ -