

Faye Tomalin

From: Charlotte Lickman
Sent: 18 November 2021 16:09
To: Faye Tomalin
Subject: FW: 1015323 Baglan Way

FYI

Kind regards,

Charlotte Lickman
Technical Assistant | JBA Consulting

From: Jill Morris <j.morris@stormsaver.com>
Sent: 18 November 2021 16:07
To: Charlotte Lickman <Charlotte.Lickman@jbaconsulting.com>
Subject: RE: 1015323 Baglan Way

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Hi Charlotte

I am sorry that it has been a while since we were last in touch.

Based on the information you previously provided, I had sized the rainwater harvesting storage tank on the collecting roof area and established a 600,000L tank. I calculated a similar size if I used the lower usage figure provided of 30,000L /day . I then used our more detailed estimate efficiency calculation to establish a more efficient tank size of 100,000L and with this sized tank, when pumped rainwater into the building is compared to pumped mains water, there is a potential annual saving of 6,752,000L water. Carbon savings could potentially be in the region of 1924KG / annum. Furthermore, it is possible that 62% of the non-potable demand will be met by the rainwater.

I would be grateful if you could let me know if you are still interested in exploring a combined active attenuation and rainwater harvesting solution for the above project? If so, perhaps we could schedule time for chat?

I look forward to hearing from you

Kind Regards

Jill Morris
Technical Sales Estimator
Stormsaver Ltd

Jill Morris
Technical Sales Estimator



t: 01636 815254
w: www.stormsaver.com
e: enquiries@stormsaver.com



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From: Jill Morris

Sent: 04 October 2021 11:21

To: Charlotte Lickman <Charlotte.Lickman@jbaconsulting.com>

Subject: RE: 1015323 Baglan Way

Hi Charlotte

I hope you are well.

Would you happen to know what the normal working hours are likely to be at the manufacturing facility?

Can I just confirm that I am sizing the storage tank for a standalone rainwater harvesting system to service the demand generated during the manufacturing process only?

Can you confirm that you require a quote for a suitable rainwater harvesting system to collect, store and redistribute the recovered rainwater to the points of use?

Many thanks

Kind Regards

Jill Morris

Technical Sales Estimator

Stormsaver Ltd

Jill Morris

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From: Charlotte Lickman <Charlotte.Lickman@jbaconsulting.com>

Sent: 01 October 2021 09:03

To: Jill Morris <j.morris@stormsaver.com>

Subject: RE: 1015323 Baglan Way

Hi Jill,

Thank you for your reply, and my apologies for the delay in responding to you. I now have the required figures, so hopefully we can move forward with the storage calculations.

The estimated consumption **per week** is 210m³, with the potential to upscale by 25%, which would result in 265m³ per week. Hopefully this weekly figure is suitable for you as I know you did suggest a daily consumption figure, but this is what we've managed to extract from the client.

Please could I ask for the tank storage requirements for both of these figures – 210m³ and 265m³.

Just to reiterate, the roof area is 18,792m², and the SAAR at the site is 1,170mm.

I hope this is adequate information for you to calculate sizing's and costs; however, if you do need anything else please do let me know.

Kind regards,

Charlotte Lickman
Technical Assistant | JBA Consulting

From: Jill Morris <j.morris@stormsaver.com>
Sent: 09 September 2021 13:34
To: Charlotte Lickman <Charlotte.Lickman@jbaconsulting.com>
Subject: RE: 1015323 Baglan Way

Hi Charlotte

Many thanks for your enquiry, which Sophie has now passed over to me for quoting.

I understand that you are going to request an estimate of demand from the client. That would be perfect. We need to try to establish the daily demand and the maximum hourly usage if possible.

Once I have this information, I will be in a position to pull together some indicate costs and sizing's for you.

I look forward to hearing from you soon

Many thanks

Kind Regards

Jill Morris
Technical Sales Estimator
Stormsaver Ltd



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We have released lots of exciting products this year, this short animation shows our new ACTIVE ATTENUATION system.

Check it out [HERE!](#)

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From: Charlotte Lickman <Charlotte.Lickman@jbaconsulting.com>

Sent: 03 September 2021 14:21

To: Sophie Carr <s.carr@stormsaver.com>

Cc: Faye Tomalin <Faye.Tomalin@jbaconsulting.com>

Subject: RE: Rainwater Harvesting Storage Tank Enquiry

Hi Sophie,

Apologies in the delay getting back to you regarding our site's RWH tank storage enquiry.

The site location is along Baglan Way, in the north-west of Port Talbot, South Wales (NGR SS 74914 91493). I've attached a PDF with the proposed site plans for you to have a look at, as well as our calculated greenfield runoff rates. Our red line boundary for the site is 12.5ha and we've calculated QBAR for the site as 4.5 l/s/ha.

I have the required data to calculate the tank size via the first method you suggested – roof area and annual rainfall on site.

Roof area = 18,792m²

SAAR at site location = 1,170mm

Estimated demand = High – The system will be used in the glass manufacturing process

Presently I don't have an exact figure for the estimated demand and, like you said, the produced figure will likely be much higher than necessary using the first method. We will request an estimate from the client regarding usage rates so hopefully the tank site can be more realistically calculated.

Given the size of the site, we're currently envisaging that the RWH system will solely take rainwater from the roof, with areas of car parking etc attenuated via permeable paving/swales/basins that we can calculate ourselves.

Thank you for sending the data sheet for the Active Attenuation System, I believe this would be an appropriate system for the site.

If you have any questions regarding the site or need any further information please let me know.

Kind regards,

Charlotte Lickman

Technical Assistant | JBA Consulting

From: Sophie Carr <s.carr@stormsaver.com>

Sent: 13 August 2021 10:12

To: Charlotte Lickman <Charlotte.Lickman@jbaconsulting.com>

Cc: Faye Tomalin <Faye.Tomalin@jbaconsulting.com>

Subject: RE: Rainwater Harvesting Storage Tank Enquiry

Good morning Charlotte,

Thank you for your enquiry. We can certainly assist with this, we can either calculate the tank size from the roof area and average annual rainfall at site location or we can size the tank based on estimated demand (we usually do this when the roof area is very large as it will come out with a requirement for a very large tank).

Please would you be able to provide the following information:

-Site Location

- What the system would be serving and estimated demand (ie. Number of WCs / Litres used per day for processing or washdown etc)

I have attached the data sheet for our Active Attenuation System which sounds like the type system you are interested in. The Rainwater Harvesting system becomes part of your attenuation capacity, meaning you can reduce the number of attenuation crates/tanks used.

Do you have any site plans that we can take a look at? If you know the capacity required for the attenuation this would be useful also.

If you have any questions, please let me know.

Kind regards

Sophie Carr
Commercial Sales Consultant
Stormsaver Ltd



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w: www.stormsaver.com
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We have released lots of exciting products this year, this short animation shows our new **ACTIVE ATTENUATION** system! Check it out [HERE!](#)

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From: Charlotte Lickman <Charlotte.Lickman@jbaconsulting.com>

Sent: 12 August 2021 16:33

To: enquiries <enquiries@stormsaver.com>

Cc: Faye Tomalin <Faye.Tomalin@jbaconsulting.com>

Subject: Rainwater Harvesting Storage Tank Enquiry

Dear Stormsaver,

I have an enquiry regarding rainwater harvesting that I'm hoping you may be able to offer your expertise towards. I work for JBA Consulting and our proposed development site for industrial use, using a large volume of water within the construction process. Therefore, the re-use of rainwater would be highly beneficial for our client's needs.

Our client is considering using rainwater harvesting for the roof water from the industrial unit, and the potential location of the RWH tanks have been identified on the site. The roof area of the proposed unit is 19,000m², and water usage rates are to be confirmed by the client in due course. I believe that these are the two variables required to calculate storage tank sizes?

We would be required to use a smart system which discharges of rainwater in a controlled manner in the event of a storm to ensure that we can incorporate RWH into our storage calculations for our proposed SuDS scheme for the site.

I would be very grateful if you are able to offer some guidance on whether any additional data is required to carry out the calculations to determine the size/capacity of storage tanks required for the site.

Kind regards,

Charlotte Lickman
Technical Assistant | JBA Consulting

The first message in this conversation was sent internally from within the JBA organisation.