

Rees, Gail

From: Howell, Morgan P
Sent: 10 April 2018 11:24
To: Hitchings, Mike (Agency); Moon, Clive R
Subject: FW: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Both,

The agents for the Biomass site have sent the attached information and the email below as a response to Faye's request on the surface water drainage proposed at the site.

Can you set out whether the updated information would satisfy Faye's concerns that were set out previously and whether you are satisfied that the updated information would satisfy the requirements of the condition attached to the original permission. If you are happy with the amended information I will update the application and formally amend the details. Can you respond within 21 days from the date of this email.

Kind regards

Morgan Howell
Senior Planner (Development Control) / Uwch Gynllunydd
Regeneration and Planning / Adfywio a Chynllunio
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From: Douglas Wardle [mailto:douglas@powerconsultingmidlands.com]
Sent: 06 April 2018 18:37
To: Howell, Morgan P
Cc: Tomalin, Faye E; Peter Woolley; Sam Frearson
Subject: RE: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Morgan: I have now received various inputs in response to Faye Tomalin's outstanding questions, as below:

1. Sprinkler System Capacity

The drawing that should be referred to is Barry_01_DWG_01_20145_D (see attached).

The capacity of the system has been designed to accommodate the volume from a storm return period of 1:100 years with an allowance for 20% increase for climate change or the volume of a 1:1 year storm with an allowance for 20% increase for climate change + fire demand. This means:

1. The 1:100 year event provides a required attenuation volume of 485m³. The level of water in the tank at this condition is identified in Section A-A.

2. The fire condition provides a required attenuation volume of 709m³. This volume is derived as the box note on drawing BARRY_01_DWG_01_20145_D, from a 1:1 year storm of 120m³ + sprinkler demand within the reception building of 369m³ and an allowance for 220m³ from fire appliances.
3. The total attenuation volume provided within the tank is 652.8m³ which is more than adequate for the 1:100 year storm (point 1 above). An additional 54m³ is provided within the reception building which provides the required attenuation for condition 2 (652.8+54 = 706m³).

Note that the box at the top right hand corner of the previous iteration of this drawing had an error in that it referred to 120m³ relating to 1:100 year storm. This was obviously an error as it should refer to 1:1 year storm but the volume is correct. I have had the designers correct this and the amended drawing (Barry_01_DWG_01_20145_D) is attached for completeness.

Therefore in summary there is capacity for 1:100 storm plus 30% and a 1:1 year storm plus all requirements for sprinklers and fire water.

2. Discharge of Water

Concerning the ABP drainage system final discharge point for the site, as explained in the revised Condition 13 Discharge submission dated 7 March 2018, the discharge point can be seen on "Plan BARRY_DWG_01_DWG_01_20134_E surface water drainage" which was previously provided to you. I attach this plan again for convenience.

Discussing this with the project engineer who previously spoke with Faye Tomalin, he believes her main concern relates to the interaction between the drainage and the fire prevention strategy. A Fire Prevention Plan (FPP) has been approved by Natural Resources Wales as part of the permit application following extensive consultation in respect of which the Vale of Glamorgan Council was a statutory consultee. It is assumed that relevant departments within Vale of Glamorgan Council will have reviewed the FPP as part of such consultation.

Within the FPP it has been stated that in the event of a fire, all firewater from the fire and sprinkler system will drain into the surface water drainage system which will discharge to the underground attenuation storage tank. The discharge pumps will be interlocked to ensure that all firewater remains contained within the attenuation storage tank (the pumps that empty the attenuation tank to the docks are isolated to prevent them from operating).

All potentially contaminated firewater will then be contained within the attenuation storage tank and tankered off-site for disposal in compliance with applicable environmental requirements. If the attenuation storage tank is nearing capacity, the Operator will arrange for a tanker service to come and remove the water within the tank.

For the avoidance of doubt, no contaminated water as a result of a fire will be discharged into the dock.

I trust this now deals with all remaining questions on this application.

Kind regards

Douglas

Douglas Wardle

Power Consulting Midlands Ltd

Email : douglas@powerconsultingmidlands.com

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From: Howell, Morgan P <MPHowell@valeofglamorgan.gov.uk>

Sent: 26 March 2018 11:04

To: Douglas Wardle <douglas@powerconsultingmidlands.com>

Subject: FW: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Douglas,

See Faye's email below, there are still objections to the proposed surface water drainage system for the reasons set out below.

Kind regards

Morgan Howell
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From: Tomalin, Faye E
Sent: 26 March 2018 11:02
To: Howell, Morgan P
Subject: RE: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Morgan,

At this stage we still have objections to the discharge of conditions on this site.

The applicant is stating that the attenuation tank on the site is sized for the 1 in 100 yr +20% for climate change, plus an allowance for the fire protection sprinkler systems. No information has been provided on the capacity allowed for the sprinkler system, and how this compares to the volume of storage required for the 1 in 100 yr + 30% event.

Further information is required on the ABP drainage system final discharge point of the site. Should this be into the docks, there are concerns that there may be a detrimental effect on water quality, particularly if water from the sprinkler system is to enter the surface water network. Should this be the case, further information on water quality treatment phases are required, and NRW should be consulted on this part of the application.

Best wishes,
Faye

Faye Tomalin
Engineering Assistant (Flood and Coastal Risk Management) / Cynorthwydd Peirianeg
Visible Services / Gwasanaethau Gweledig
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From: Howell, Morgan P
Sent: 07 March 2018 13:16
To: Tomalin, Faye E; Moon, Clive R
Subject: FW: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Both,

See email below and attached updated documents regarding the sustainable drainage information submitted for consideration.

Can you come back to me with observations and outline whether there are any concern regarding the resubmission within 21 days from the date of this email.

Thanks

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From: Douglas Wardle [<mailto:douglas@powerconsultingmidlands.com>]
Sent: 07 March 2018 11:37
To: Howell, Morgan P
Subject: RE: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Morgan, just getting back to you in respect of your original email below, I am attaching the updated Condition 13 Discharge Statement together with two additional drawings referenced in the revised Statement.

This has been prepared by one of our engineers following his conversation with Faye Tomalin. We believe the attached note is fully responsive to Faye's questions although this has yet to be confirmed by her. Nevertheless, since time is passing we thought it prudent to send this through to you by way of a progress report and perhaps you could check with Faye and/or Clive Moon whether they are now satisfied with the submission?

Kind regards

Douglas

Douglas Wardle

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From: Howell, Morgan P [<mailto:MPHowell@valeofglamorgan.gov.uk>]

Sent: 25 January 2018 13:31

To: Douglas Wardle <douglas@powerconsultingmidlands.com>

Subject: FW: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Douglas,

The drainage section require more information on the sustainable drainage information. See attached memo.

Kind regards

Morgan Howell

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From: Tomalin, Faye E

Sent: 25 January 2018 12:45

To: Howell, Morgan P

Subject: RE: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Morgan,

Please find attached comments on the above application.

Best wishes,

Faye

Faye Tomalin

Engineering Assistant (Flood and Coastal Risk Management) / Cynorthwydd Peirianeg

Visible Services / Gwasanaethau Gweledig

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From: Tomalin, Faye E
Sent: 25 January 2018 11:57
To: Howell, Morgan P
Subject: RE: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Yep, got it. Thanks!

Faye Tomalin
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From: Howell, Morgan P
Sent: 25 January 2018 11:43
To: Tomalin, Faye E
Subject: RE: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

It is, but the sustainable drainage information, along with all the other discharge of conditions applications have been merged to the one variation of condition application I have on the site, planning ref 2017/01080/FUL. So all the info should be on this one file and this one application will go to committee rather than four different CD applications. Does that make sense?

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From: Tomalin, Faye E
Sent: 25 January 2018 11:35
To: Howell, Morgan P
Subject: RE: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Morgan,

Is the discharge of this condition going to committee? Or have I got mixed up with another application!?

Thanks,
Faye

Faye Tomalin
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From: Howell, Morgan P
Sent: 03 January 2018 08:40
To: Tomalin, Faye E
Subject: FW: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Faye,

The agent has indicated that this document sets out the responsibility and maintenance information.

Kind regards

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From: Douglas Wardle [<mailto:douglas@powerconsultingmidlands.com>]
Sent: 02 January 2018 12:28
To: Howell, Morgan P
Subject: RE: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Morgan – Happy New Year to you and the team.

I have just received a response to Faye's question about the management and maintenance plan for the drainage assets (see attached).

Please let me know if any further information is needed on this.

Kind regards

Douglas

Douglas Wardle
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From: Howell, Morgan P [<mailto:MPHowell@valeofglamorgan.gov.uk>]
Sent: 30 November 2017 14:36
To: Douglas Wardle <douglas@powerconsultingmidlands.com>
Subject: FW: 2015/00031/OUT Biomass Plant, Barry CD- Sustainable drainage condition

Hi Douglas,

See email below, as you can see Faye has not looked at the details as a whole but she is correct, there are requirements for you to identify responsibility and maintenance of the system.

If you could provide this information, Faye can provide her observations.

Kind regards

Morgan Howell
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From: Tomalin, Faye E
Sent: 24 November 2017 09:26
To: Howell, Morgan P
Subject: 2015/00031/OUT Biomass Plant, Barry

Hi Morgan,

I haven't had chance to take a proper look at the details submitted for this application yet, however I've had a quick look at can't seem to see a management and maintenance plan for the drainage assets. This is required in order to discharge the condition. Could you request this please and I can take a look at the rest of the information.

Many thanks,
Faye

Faye Tomalin
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Visible Services / Gwasanaethau Gweledig
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