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Your ref

Flintshire County Council
County Hall
Mold
CH7 6NF

15 June 2012

FAO: Martha Savage

Dear Ms Savage

Extensive Improvements to the Existing Capping of the Closed Llay Landfill with Associated Pipelines and Installation of Monitoring Equipment.

RE: Llay Landfill, Park Road, Bradley, Wrexham

Further to our site visit and meeting on 29th May 2012, I am writing to provide additional information for Flintshire County Borough Council.

Please find enclosed the following:

1. Site Location Plan (MMD-295303-C-DR-00-XX-0010)
2. Updated Proposed Works Plan (MMD-295303-CR-00-XX-001 rev P4)
3. Existing and Proposed Cross Section of the Site (MMD-295303-C-DR-00-XX-504 rev P1) and a supplementary plan indicating where the cross sections are shown (MMD-295303-C-DR-00-XX-503 rev P1)
4. Landscape Proposals (MMD-295303-L-DR-00-ENV-0001)
5. Revised Arboricultural Report dated 13 June 2012
6. Landscape Specification dated May 2012

Additional information

The proposals involve excavating the existing restoration soils and providing a polyethylene liner and geocomposite drainage layer liner over the existing clay cap. Then the restoration soil will be reinstated and the proposed levels will extend up to 0.4 metres higher than the existing level as show in Drawing No:

MMD-295303-C-DR-00-XX-504 rev P1.

Materials - Approximately 10,000m³ of existing restoration soils will be excavated, refer to Drawing No: MMD-295303-C-DR-00-XX-504 rev P1 and stored on site during the construction phase. This material will be reinstated onto the site.

Approximately 2,400m³ of general fill (new material) for the landscaped bunds will be brought on to site.

Approximately 2,187m³ of soil for the regulating layer will be brought onto the site, creating a thickness of no more than 0.1m.

Approximately 6,561m³ of permeable protection soil will be brought onto site creating a thickness of 0.3m.

Levels - There will be no significant change in levels for the site and should not exceed more than 0.4m, this is demonstrated in the proposed cross section of the site.

Construction Period - Construction period will last up to six months.

Leachate Removal – Leachate will continue to be taken off site to be treated.

Further clarification - We can confirm that the leachate storage tank and flaring of gas are not part of this planning application. The extraction of gas scheme and leachate treatment plant scheme will be subject to a separate planning application, if they are required at a later stage.

The proposals have now entered detailed design, the number of monitoring wells are unlikely to change. The gas monitoring wells will be approximately 7 metres deep.

Tenant Query - Wrexham County Borough Council has confirmed that H.A.C.K Horse Sanctuary do not occupy the land under any lease or other tenancy agreement. Previously the grazing of horses/ponies on the land has been by way of licence consent only. However since the possibility of needing the former landfill site to be re-treated became known, no new licence have been offered to H.A.C.K, and there is no formal licence between the parties currently in place. Hence the correct procedures have been followed.

Flood Risk Assessment

Please note that Drawing No: MMD-295303-C-DR-00-XX-0050 with reference to Full Cap and a treatment plant attached within the Flood Consequences Assessment does not form part of this application.

Gas Risk Assessment

A surface emission survey will be undertaken during the construction phase prior to any excavation or intrusive works on the site. A follow up surface emission survey will be undertaken following the completion of the works to demonstrate the adequacy of the capping.

The proposed mitigation measures for the gas are detailed in Drawing No: MMD-295303-CR-00-XX-001 rev P4. These include:

1. Gas Vent Trench;
2. 4no. gas monitoring wells, and
3. 1 no. gas monitoring point.

Hydrogeological Assessment

The additional monitoring proposed in the Hydrogeological Assessment for groundwater, leachate, background water quality and mercury is an ongoing exercise. To undertake this additional monitoring, upgradient and downgradient monitoring wells are being installed (please refer to Drawing No: MMD-295303-CR-00-XX-001 rev P4) on a quarterly basis (monitor a smaller sample of contaminants) and on an annual basis (comprehensive range of contaminants).

Landscape and Ecology Management

Please find enclosed a restoration landscape proposal for the site, and a landscape specification detailing additional information on what and when the proposed landscaping works will be undertaken.

We can confirm that there will be no removal of hedgerows as part of the proposals.

Noise

As discussed on site, I understand that the Environment Health Officer is satisfied with the proposed mitigations for the site during the construction phase. The acoustic barrier will be 2.5m high, and the location of the acoustic barrier is shown in drawing no: MMD-295303-CR-00-XX-001 rev P4.

Due to the significant reduction of traffic movement to and from the site, a noise assessment of the construction traffic will no longer be required. However if the Environment Health Officer requires this information, we would be amenable to a planning condition to be attached to the decision notice.

Odour

The proposals do not expose the waste mass, as the proposed works only involve improving the existing capping, hence no odour will be anticipated.

Traffic

The traffic movements during the construction period will be in the range of 20 -30 HGVs per day (15 in and 15 out). This figure has been revised to reflect the current proposals, as a full recapping of Llay landfill is no longer required.

Operational transport movement will be the same as existing.

Due to the significant reduction of traffic movements during the construction phase, we believe that a method statement is no longer required. However if the local highways authority would still require this information, we would be amenable to a planning condition to be attached to the decision notice.

I trust that the above is acceptable and if you have any further queries, please do not hesitate to contact me.

Yours sincerely,



Joyce Wong
Town Planner