

13 February 2015

Dear Mike,

Reference: Hay Associates – Ryefield House, Hillingdon - Berkeley (SD Dryers)

Further to your recent request, please find laundry quotation for the above project.

We have outlined the difference in running costs between gas and electric dryers for the client to review below. The average running costs per cycle for a gas dryer are around a third of the cost compared to electric dryers.

JLA currently have some offers for extended machine service cover. We have included the details within this quote for consideration.

In terms of the planning conditions, we have looked at these and provide the following feedback:

- 16 - The rating level of noise emitted from any plant and/or machinery at the development shall be at least 5 dB below the existing background noise level. The noise levels shall be determined at the nearest residential property. The measurements and assessment shall be made in accordance with British Standard 4142 'Method for rating industrial noise affecting mixed residential and industrial areas'.
- 20 - No air extraction system shall be used on the premises until a scheme which specifies the provisions to be made for the control of noise and odour emanating from the site or to other parts of the building, has been submitted to, and approved by the Local Planning Authority. The scheme shall include such combination of measures as may be approved by the LPA. The said scheme and all of it endures for use and that any and all constituent parts are repaired and maintained and replaced in whole or in part so often as occasion may require.

We are unclear on the level of existing background noise and therefore cannot judge if the machines are at least 5db below. Noise levels can essentially reverberate from the point of extraction depending on whether there is fencing or properties opposite, and their distance away from this extraction point. Silencers can be installed into ductwork to combat any issues but the need for these can only be assessed post installation, when the machines are running and the ducting is in place. Decibel levels can be measured once this is all in place and a silencer retrospectively fitted, if required. There will naturally be some odour emitted from the ducting due to use of products used in the laundry such as detergent and conditioner. Again the impact cannot be measured until after installation and the laundry is operating. JLA are currently looking into the manufacturing of non-scented detergents which may be a solution if the PLA deem the standard range as emitting odour levels that are deemed too high.

At this stage all we can provide is the decibel levels for the dryers when operating.

Dryer Decibel Levels

SD-50: 68 dB per machine

These levels taken at approx. 1m in front of machine and 1m off the ground.



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