

HealthBeacon Limited

Waste Licence Application

Application ID: LA006978

Attachment-4-3-1 Calculation of Capacity

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1 Calculation of Capacity for each Recovery/Disposal Activity

The following Class of Activity under the Fourth Schedule of the Waste Management Act will be carried out by the applicant at the proposed facility:

➤ R12 - Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).

It is estimated that the applicant will accept and process sharps bins from a maximum of 20,000 patients per annum. It is estimated that each customer will use approximately 1.25 sharps bins per annum, thus it is estimated that the applicant will accept 25,000 sharps bins on-site per annum. The weight of a single full 2.3 litre sharps bin is estimated to be 0.8 kilograms, thus it is estimated that the applicant will accept a maximum of 20 tonnes of waste on-site per annum. During the initial stages of the proposed waste activity it is expected that the applicant will be accepting a much lesser amount of sharps bins from customers until such time the company's customer base grows.

It is expected that sharps waste leaving the facility will ultimately be sent to a receiving, authorized third party waste facility and be subjected to either a recovery activity as defined under the Waste Management Act. Assuming 253 working days in a year, it is calculated that on average 80 kilograms of waste will be accepted on-site under waste activity class R12. It can be seen that relatively very small quantities of waste will be accepted on-site per working day and as such the proposed waste activity will be small-scale in nature. Given the size of the processing area, as well as the storage space available for sharps within this area, it is considered that the above figures are representative of the maximum waste processing capacity of the proposed facility.