

Doc Ref : ESSL_MTVS v02

Summary to support the request to add additional EWC codes to the environmental permit (EPR/NB3339RH).

The permit currently allows the deposit for bulky up of similar waste streams but are restricted to:-

- EWC 06 13 02* SPENT ACTIVATED CARBON FROM INORGANIC CHEMICAL PROCESSES
- EWC 07 01 08* OTHER STILL BOTTOMS AND REACTION RESIDUES FROM ORGANIC CHEMICAL PROCESSES
- EWC 07 07 10* FILTER CAKES AND OTHER SPENT ABSORBANTS FROM ORGANIC CHEMICAL PROCESSES
- EWC 16 03 03* INORGANIC WASTES CONTAINING HAZARDOUS SUBSTANCES
- EWC 16 03 05* ORGANIC WASTES CONTAINING HAZARDOUS SUBSTANCES
- EWC 19 01 19 SANDS FROM FLUIDISED BEDS PRODUCED FROM THE INCINERATION OR PYROLYSIS OF WASTE
- EWC 19 08 06* SATURATED OR SPENT ION EXCHANGE RESINS
- EWC 19 09 04 SPENT ACTIVATED CARBON FROM POTABLE WATER OR WATER FOR INDUSTRIAL USE PROCESSES

The additional codes would allow more scope on other projects that we quote for that utilise carbon filtration.

The requested waste codes are listed below:

1. Wastes from incineration or pyrolysis of wastes
EWC 19 01 10* spent activated carbon from flue-gas treatment
2. Wastes from power stations and other combustion plants (except 19)
EWC 10 01 18* wastes from gas cleaning containing hazardous substances
3. Wastes from the MFSU of halogens and halogen chemical processes
EWC 06 07 02* spent activated carbon (except 06 07 02)
4. Wastes from waste water treatment plants not otherwise specified
EWC 19 08 02 waste from desanding
5. Wastes from the preparation of water intended for human consumption or water for industrial use
EWC 19 09 01 solid waste from primary filtration and screenings

The total storage of hazardous carbon filter media that would be on site at any one time would be 20-25 tonnes maximum. The operator will ensure that it is sent for recovery or disposal on a regular basis. Depending on the number of contracts agreed the site could receive around 500 tonnes per annum (eg 10 tonnes per week) of spent activated contaminated carbon filter media.

The requested waste streams are not regarded as combustible waste so the Fire Prevention & Mitigation Plan should not have to be updated.

Acceptance

All waste streams undergo the pre-acceptance criteria which includes description of the waste including EWC code, how the waste is contained, full details of the process producing the waste, analysis, travelling and handling arrangements.

Storage

The new EWC codes requested will be delivered fully contained in either metal storage vessels or sealed bags.

Handling

The bags will be loaded onto vehicle for forward delivery to authorized recycling facility. If the spent carbon filter media is accepted inside a metal vessel it will be transferred into bags which are then sealed and ready for off site delivery to be recycled or disposed of.

Dust control measures are in place on the transfer yard including water being available on site for dust suppression and good housekeeping procedures in place on site including brushing and the regular use of a road sweeper. We ensure work is carried out in a well ventilated area, and that operators are wearing correct PPE and dust masks.

However due to the fact that the carbon filter media arrives on site in pellet form and not as a powder, any dust emissions will be minimal.