Attachment I.7 Assessment of Impacts of Noise Impacts.

Facility activities involve the use of plant and equipment that are sources of noise emissions. The results of the most recent monitoring completed in 2016 are presented in the Table below and confirms the noise emissions from the installation comply with the licence conditions.

Location	Sample Time	Daytime				Limit
		$L_{aeq,\ 30\ min}$ (dB)	$L_{A10,\ 30\ min}$ (dB)	$L_{A90,\ 30\ min}$ (dB)	Specific $L_{A90,\ 30\ min}$ (dB)	
N1	09/06/2016 13:30-14:00	47	49	44	<45	
N2	09/06/2016 14:06-14:36	64	63	50	64	
N3	09/06/2016 12:54-13:24	76	81	63	73	
NSL1	09/06/016 12:11-12.41	70	74	49	<49	

LAeq 30min levels recorded at the boundary stations were 47 - 76 dB. SEHL emission dominated at two of these; however the noise limits specified in the Licence do not apply to those locations. At the off-site sensitive station NSL1, the only monitoring point to which the Licence noise limits apply, the LAeq 30min level was 70dB however the SEHL emissions were not audible, and were therefore lower than the 55dB daytime noise limit specified in the Licence. The operations did not give rise to tones or impulses at NSL1, thus complying with condition 5.5 of the Licence.

In 2014 the mixed C&I and C&D wastes were processed on site using automated processing equipment into the different waste streams (paper, cardboard, plastic, wood, metal, fines and stone). The processing plant is listed in the Table below.

No.	Plant	Model	Operational Capacity tpd	Standby Capacity tpd
1	Bollegraaf	110 Baler	35	15
1	Bollegraaf	80 Baler	25	10
1	SRF process line	MCDI	240	0
1	Loading grab	Fuchs MHL 340	2160	1710
1	Bollegraaf	BAS 75 Shredder	20	0
1	Loading shovel	Volvo L120E	8640	7440
1	Ulster	shredder	10	0
1	Loading grab	Liebherr 924	972	672

The noise monitoring carried out at the time confirmed that the emissions complied with the licence limits. A copy of the 2014 noise survey is enclosed.

Assessment of Impacts

The processing of the IBA will involve the use of equipment similar to that been in use in the MRF and the noise emission levels will be comparable. Therefore, the proposed change will not give rise to noise emissions that will breach the current emission limit values.