

Appendix A17.4: Noise Impacts on Committed Developments

1 Introduction

- 1.1.1 As stated in paragraph 17.4.53 of Chapter 17 (Noise and Vibration), an assessment of potential noise impacts on noise sensitive committed developments within the calculation area have been undertaken. Table 1 provides a list of all the committed developments that have been identified in this assessment, including the associated reference assigned in Chapter 8 (People Communities – Community and Private Assets), Appendix A8.4 (Development Land Assessment).
- 1.1.2 The proposals for a variation to planning conditions at Shierglas Quarry to allow relocation of overburden and the working of additional mineral reserves (planning application number: 13/01342/FLL) and the erection of an outbuilding (in retrospect) at Wester Strathgarry (planning application number 17/01190/FLL) have not been included in this assessment because they are not considered to be noise sensitive committed developments.
- 1.1.3 Committed developments include extant planning applications that are consented, or yet to be determined, by the Perth & Kinross Council between October 2014 and valid up to and including October 2017.
- 1.1.4 Table 2 provides a summary of each of the committed developments and the percentage of the area that is predicted to fall within each noise contour band for the long-term assessment without the proposed Scheme, i.e., Do-Minimum 2026 vs Do-Minimum 2041 at a height of 1.5m above the ground.
- 1.1.5 Table 3 provides a summary of each of the committed developments and the percentage of the area that is predicted to fall within each noise contour band for the short-term assessment with the proposed Scheme, i.e. Do-Minimum 2026 vs Do-Something 2026 (with Mitigation) at a height of 1.5m above the ground.
- 1.1.6 Table 4 provides a summary of each of the committed developments and the percentage of the area that is predicted to fall within each noise contour band for the long-term assessment with the proposed Scheme, i.e., Do-Minimum 2026 vs Do-Something 2041 (with Mitigation) at a height of 1.5m above the ground.
- 1.1.7 Finally, Table 5 provides a summary of significance of noise impact at each of the committed developments for: the long-term assessment without the proposed scheme; the short-term assessment with the proposed scheme; and the long-term assessment with the proposed scheme.

Table 1: Committed Developments Considered in the Assessment

Committed Development ID	Chapter 8: CPA Reference	Application Information				
		Planning Application Number	Address	Approximate Centre Point of Planning Application Boundary		Proposal Description
				Easting	Northing	
1	PA09	17/00362/FLL	Clan Donnachaidh Museum, Pitagowan, Blair Atholl, Pitlochry, PH18 5TW	282181	765996	Change of use from museum (class 10) to form staff accommodation, change of use of shop (class 1) to restaurant/cafe (class 3) and erection of extension to form store
2	PA02	17/00544/FLL	Land 50 Metres North West Of Easter Orchilmore Farmhouse, Killiecrankie	291555	763683	Erection of a dwellinghouse and garage
3	PA07	17/01016/FLL	Land 40 Metres North Of Little Orchard, Blair Atholl	287259	765192	Erection of 8no. dwellinghouses
4	N/A	17/00999/FLL	Land 30 Metres North West Of Arrochar, The Terrace, Bridge Of Tilt	287835	765155	Alterations and extension of coach house to form a dwellinghouse and installation of a flue
5	PA08	17/01660/FLL	The Old Manse, Blair Atholl, Pitlochry, PH18 5TN	283595	765975	Change of use and alterations to outbuilding to form a dwellinghouse
6	PA10	17/00044/FLL	Clachan Of Struan, Struan, Pitlochry, PH18 5UB	280308	765369	Change of use, alterations and subdivision of dwellinghouse to form 2no holiday accommodation units
7	PA01	15/00207/FLL	Easter Orchilmore Farmhouse, Killiecrankie, Pitlochry, PH16 5LP	291630	763608	Extension to dwellinghouse, erection of garage, stables and ancillary accommodation
8	PA03	15/01473/FLL	Lettoch Beag, Killiecrankie, Pitlochry, PH16 5LR	290734	764099	Variation of condition 3 (occupation) of permission 09/02014/FLL for the extension to dwellinghouse and formation of granny flat
9	PA06	14/01892/FLL	Land At Mill Park, Ford Road, Blair Atholl	287190	765126	Erection of a dwellinghouse
10	PA11	15/02104/FLL	Land 100 Metres North Of Dalnamein Lodge, Calvine	275181	769633	Erection of 3 holiday cabins and formation of vehicular access

Table 2: Change in Noise Level at Committed Developments in the Long-term without the Proposed Scheme

Committed Development ID	Total Area of Committed Development (m ²)	% of Area Subject to Change in Noise Level								
		Increase in Noise Level				No Change	Decrease in Noise Level			
		x ≥ 10 dB	5 ≤ x < 10 dB	3 ≤ x < 5 dB	0 < x < 3 dB	x = 0 dB	-3 < x < 0 dB	-5 < x ≤ -3 dB	-10 < x ≤ -5 dB	x ≤ -10 dB
1	902	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
2	1957	0.0	0.0	0.0	0.0	0.0	97.6	2.4	0.0	0.0
3	3712	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
4	516	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
5	3417	0.0	0.0	0.0	0.0	0.0	0.0	100	0.0	0.0
6	1611	0.0	0.0	0.0	0.0	0.0	68.5	31.5	0.0	0.0
7	3671	0.0	0.0	0.0	0.0	0.0	98.0	2.0	0.0	0.0
8	1992	0.0	0.0	0.0	0.0	0.0	99.7	0.3	0.0	0.0
9	684	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
10	21963	0.0	0.0	0.0	0.0	0.0	0.2	99.8	0.0	0.0

Table 3: Change in Noise Level at Committed Developments in the Short-term with the Proposed Scheme (with Mitigation)

Committed Development ID	Total Area of Committed Development (m ²)	% of Area Subject to Change in Noise Level								
		Increase in Noise Level				No Change	Decrease in Noise Level			
		x ≥ 5 dB	3 ≤ x < 5 dB	1 ≤ x < 3 dB	0 < x < 1 dB	x = 0 dB	-1 < x < 0 dB	-3 < x ≤ -1 dB	-5 < x ≤ -3 dB	x ≤ -5 dB
1	902	0.0	0.0	41.4	35.0	1.9	21.3	0.5	0.0	0.0
2	1957	0.0	0.0	0.0	57.4	31.5	11.1	0.0	0.0	0.0
3	3712	0.0	0.0	0.0	2.2	1.3	96.4	0.0	0.0	0.0
4	516	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
5	3417	0.0	0.0	0.0	1.6	0.5	97.6	0.3	0.0	0.0
6	1611	0.0	0.0	0.0	0.0	0.0	25.9	74.1	0.0	0.0
7	3671	0.0	0.0	0.0	46.2	51.4	2.4	0.0	0.0	0.0
8	1992	0.0	0.0	0.0	13.5	7.3	79.0	0.2	0.0	0.0
9	684	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
10	21963	0.0	0.0	0.0	2.3	0.7	21.7	44.0	17.8	13.5

Table 4: Change in Noise Level at Committed Developments in the Long-term with the Proposed Scheme (with Mitigation)

Committed Development ID	Total Area of Committed Development (m ²)	% of Area Subject to Change in Noise Level								
		Increase in Noise Level				No Change	Decrease in Noise Level			
		x ≥ 10 dB	5 ≤ x < 10 dB	3 ≤ x < 5 dB	0 < x < 3 dB	x = 0 dB	-3 < x < 0 dB	-5 < x ≤ -3 dB	-10 < x ≤ -5 dB	x ≤ -10 dB
1	902	0.0	0.0	0.0	78.2	2.1	19.8	0.0	0.0	0.0
2	1957	0.0	0.0	0.0	2.6	5.1	92.2	0.0	0.0	0.0
3	3712	0.0	0.0	0.0	1.1	1.1	97.9	0.0	0.0	0.0
4	516	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
5	3417	0.0	0.0	0.0	9.2	8.5	82.3	0.0	0.0	0.0
6	1611	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
7	3671	0.0	0.0	0.0	4.6	2.0	93.3	0.0	0.0	0.0
8	1992	0.0	0.0	0.0	24.4	8.1	67.5	0.0	0.0	0.0
9	684	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0
10	21963	0.0	0.0	0.0	5.2	1.5	65.2	17.6	0.0	0.0

Table 5: Summary of Significance of Impacts at Committed Developments

Committed Development ID	Sensitivity of Committed Development	Significance of Noise Impact		
		Long-term Assessment without the Proposed Scheme	Short-term Assessment with the Proposed Scheme	Long-term Assessment with the Proposed Scheme
1	High	100.0% Slight Beneficial	41.4% Slight/Moderate Adverse 35.0% Slight Adverse 1.9% Neutral 21.3% Slight Beneficial 0.5% Slight/Moderate Adverse	78.2% Slight Adverse 2.1% Neutral 19.8% Slight Beneficial
2	High	97.6% Slight Beneficial 2.4% Slight/Moderate Beneficial	57.4% Slight Adverse 31.5% Neutral 11.1% Slight Beneficial	2.6% Slight Adverse 5.1% Neutral 92.2% Slight Beneficial
3	High	100.0% Slight Beneficial	2.2% Slight Adverse 1.3% Neutral 96.4% Slight Beneficial	1.1% Slight Adverse 1.1% Neutral 97.9% Slight Beneficial
4	High	100.0% Slight Beneficial	100.0% Slight Beneficial	100.0% Slight Beneficial
5	High	100.0% Slight/Moderate Beneficial	1.6% Slight Adverse 0.5% Neutral 97.6% Slight Beneficial 0.3% Slight/Moderate Beneficial	9.2% Slight Adverse 8.5% Neutral 82.3% Slight Beneficial
6	High	68.5% Slight Beneficial 31.5% Slight/Moderate Beneficial	25.9% Slight Beneficial 74.1% Slight/Moderate Beneficial	100.0% Slight Beneficial
7	High	98.0% Slight Beneficial 2.0% Slight/Moderate Beneficial	46.2% Slight Adverse 51.4% Neutral 2.4% Slight Beneficial	4.6% Slight Adverse 2.0% Neutral 93.3% Slight Beneficial
8	High	99.7% Slight Beneficial 0.3% Slight/Moderate Beneficial	13.5% Slight Adverse 7.3% Neutral 79.0% Slight Beneficial 0.2% Slight/Moderate Beneficial	24.4% Slight Adverse 8.1% Neutral 67.5% Slight Beneficial
9	High	100.0% Slight Beneficial	100.0% Slight Beneficial	100.0% Slight Beneficial
10	High	0.2% Slight Beneficial 99.8% Slight/Moderate Beneficial	2.3% Slight Adverse 0.7% Neutral	5.1% Slight Adverse 1.5% Neutral

Committed Development ID	Sensitivity of Committed Development	Significance of Noise Impact		
		Long-term Assessment without the Proposed Scheme	Short-term Assessment with the Proposed Scheme	Long-term Assessment with the Proposed Scheme
			21.7% Slight Beneficial 44.0% Slight/Moderate Beneficial 17.8% Moderate/Large Beneficial 13.5% Large/Very Large Beneficial	65.2% Slight Beneficial 17.6% Slight/Moderate Adverse