

NOISE MODELLING INPUTS

APPROXIMATE SHORTEST DISTANCES FROM PLANT TO RECEPTORS

| Point Sources       | Result. PWL | Lw / Li | ID Source | Direct.         |
|---------------------|-------------|---------|-----------|-----------------|
| Gas Plant Vent      | 93.8        | Lw      | GP        | (none)          |
| Transformer 2       | 75          | Lw      | Tr        | (none)          |
| Transformer 1       | 75          | Lw      | Tr        | (none)          |
| Fan Cooled Radiator | 91.6        | Lw      | FCR       | Opening (ÖAL28) |
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| Receptor        | Metres |
|-----------------|--------|
| R1              | 635    |
| R2              | 520    |
| R3              | 250    |
| R4              | 230    |
| R5              | 380    |
| R6 (3 Nooks Fm) | 70     |
| R7              | 520    |
| R8              | 610    |
| R9              | 620    |

| Line Sources | Result. PWL | Lw / Li | ID Source | Direct. |
|--------------|-------------|---------|-----------|---------|
| GP Pipe      | 78.8        | Lw      | GP        | (none)  |
| GP Pipe      | 78.8        | Lw      | GP        | (none)  |
| GP Pipe      | 78.8        | Lw      | GP        | (none)  |
| GP Pipe      | 78.8        | Lw      | GP        | (none)  |
| GP Pipe      | 78.8        | Lw      | GP        | (none)  |
| GP Pipe      | 78.8        | Lw      | GP        | (none)  |

| Vertical Area Sources  | Result. PWL | Lw / Li | ID Source | Direct. |
|------------------------|-------------|---------|-----------|---------|
| Generator Front Louvre | 85.1        | Lw      | GenL      | (none)  |
| Generator Front Louvre | 85.1        | Lw      | GenL      | (none)  |
| Generator Room Louvre  | 75.1        | Lw      | GenL      | (none)  |
| Generator Room Louvre  | 75.1        | Lw      | GenL      | (none)  |

| Noise Source Frequency Library | Weight. | 31.5 | 63 | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 A |      |      |      |
|--------------------------------|---------|------|----|------|------|------|------|------|------|--------|------|------|------|
| Transformer                    | Tr      | Lw   | A  | 50.8 | 61.3 | 70.3 | 70.6 | 67.3 | 63.2 | 57.5   | 52   | 75   |      |
| Generator Louvre               | GenL    | Lw   | A  | 53.5 | 64.5 | 78   | 81   | 78   | 76.5 | 72     | 66   | 67   | 85.1 |
| Gas Plant                      | GP      | Lw   | A  | 66.4 | 78.4 | 87.9 | 87.9 | 87.4 | 86.4 | 85.9   | 84.9 | 70.9 | 93.8 |
| Fan Cooled Radiator            | FCR     | Lw   | A  | 49.5 | 69.5 | 79.1 | 85.5 | 86   | 86   | 82.6   | 75   | 64   | 91.6 |