

NOISE IMPACT STUDY - Project: 16099

Melancthon Pits Extension Noise Study

Part of West Half of Lots 12 and 14, Concession 3 O.S.
Township of Melancthon, County of Dufferin

Prepared for:

MHBC Planning c/o Strada Aggregates
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Table of Contents

Executive Summary	3
1 Introduction	4
2 Description of the Site and Surrounding Area	4
3 Existing Noise Environment	4
4 Criteria For Noise From a Stationary Source	5
5 Operations	5
6 Noise Controls / Predicted Noise Impact	6
6.1 Site Preparation/Rehabilitation.....	6
6.2 Extraction	6
6.3 Shipping	7
7 Conclusion	8

Executive Summary

Strada Aggregates has made an application for an extension to their existing Melancthon Pits (Licences No. 129167 and Licence No. 625155) in the Town of Melancthon, County of Dufferin. Strada Aggregates currently operates two (2) licences, and along with the proposed extensions, are located on the east side of the 4th Line, approximately 750m south of Side Road 15, extending to North of Highway 17, with the North Extension located north of Licence 129167 and the South Extension located between the existing licences.

There are active aggregate pits to the west of the site. The remainder of the lands surrounding the site are in rural residential use. The proposed extensions are outlined on the site plans prepared by MHBC Planning. Aggregate will be extracted from above the water table using front end loaders and transported by loaders and trucks. Initially, processing equipment will remain in the existing licences for further processing, however the extensions may support the processing of equipment.

To ensure compatibility with the existing acoustic environments at the nearest sensitive receptors, suitable noise limits have been established for the operations in the proposed pit. Noise control measures were designed to ensure that the sound levels from the pit will comply with provincial limits and have been incorporated in the site and operating plans. The recommended noise control measures include restrictions on the numbers and types of extraction and processing equipment, the noise emissions of the equipment, the areas of specific allowed operations and berthing and local shielding requirements.

Incorporation of the recommended noise control measures will ensure that the aggregate extraction and processing operations in the pits will comply with the Ministry's noise guidelines.

1 INTRODUCTION

Strada Aggregates has made an application for an extension to their existing Melancthon Pits (Licences No. 129167 and Licence No. 625155) in the Town of Melancthon, County of Dufferin. Strada Aggregates currently operates two (2) licences, and along with the proposed extensions, are located on the east side of the 4th Line, approximately 750m south of Side Road 15, extending to North of Highway 17, with the North Extension located north of Licence 129167 and the South Extension located between the existing licences.

The existing noise environment was evaluated and the noise criteria for the operations were defined based on the Ministry of Environment and Climate Change (MOECC) and Ministry of Natural Resources and Forestry (MNRF) guidelines. Operational methods, equipment, site plans and scheduling were considered and modified as necessary to achieve compliance with the noise objectives.

2 Description of the Site and Surrounding Area

Figure 1 shows the existing and proposed operations, and surrounding area including the representative residential receptors. The existing and proposed sites are located on the east side of 4th Line. The surrounding lands vary between flat and rolling terrain. With the exception of the existing pits to the west, these lands are zoned either agricultural or residential.

3 Existing Noise Environment

The representative residences surrounding the site are identified on Figure 1 as R1-R20. Residences R1, R2, R5, R6 & R20 have an ambient acoustical environment consistent with the Class 3 classification as defined by the MOECC Publication NPC-300. This is reserved for a rural area with a prevailing acoustical environment that is generally defined by natural sounds with little or no road traffic.

All other residences have an ambient acoustical environment consistent with the Class 2 classification. In a Class 2 area, the background sound levels during the daytime (07:00-19:00) are defined by man-made sources and in the evening and night-time periods, natural sounds are typically dominant.

4 Criteria for Noise From a Stationary Source

The applicable limits for noise from a stationary source at a sensitive point of reception in a Class 2 area and a Class 3 area are outlined in Table 1. These limits are defined in the MOECC Publication NPC-300.

Table 1: Sound Level Limits for a Stationary Source - One Hour L_{EQ} (dBA)

Time of Day	Class 2	Class 3
07:00-19:00	50	45
19:00-07:00	45	40

* or the background sound level, whichever is higher

The noise from a stationary source at a sensitive point of reception should not exceed these limits in any hour. At the receptors the ambient acoustical environment is such that the exclusion limits outlined above will be the applicable sound level limits for the pit. Receptors R17, R18 and R19 are in close proximity to 4th line and as such have higher background sound level limits.

5 Operations

The site plans outline the phasing of extraction, and the sequence and direction of operations in each phase. In general terms, the types of work consist of site preparation, extraction, and site rehabilitation.

Site preparation includes the construction of the berms and visual screens specified on the site plan. Topsoil and overburden will be removed and berms constructed as required. This work will be done primarily with bulldozers, scrapers, trucks, loaders and excavators. Rehabilitation phases will involve similar equipment in establishing the final grading for the site.

The existing Licence No. 129167 (Pit 1) and Licence 625155 (Pit 2) are currently permitted. Within Phase 4, the equipment operating in the extension will be: one (1) crusher with loader, one (1) screening plant with extraction loader and one (1) shipping loader. Within Phase 5-7, the equipment operating will be: one (1) crusher with loader, one (1) Screening Plant with extraction loader, one (1) shipping loader and a wash plant.

Concurrent processing has been designed to allow operations in Pit No. 2 (in accordance with existing noise conditions) and Phase 4, with no more than a total of two (2) crushers, two (2) screeners, one (1) wash plant and five (5) loaders between Phase 4 and Pit No. 2

Concurrent processing has been designed to allow operations in Pit No. 1, Pit No. 2 and Phase 4 but never more than a total of two (2) crushers, two (2) screeners, one (1) wash plant and five (5) loaders between Phase 5-7, Pit No. 1., Pit No. 2 and Phase 4.

6 Noise Controls / Predicted Noise Impact

6.1 Site Preparation/Rehabilitation

During site preparation equipment working at or near the surface will receive minimal acoustical shielding. A similar scenario may occur during rehabilitation. In order to minimize the noise impact associated with these activities, it is recommended that:

- The sound emissions of all construction equipment involved in site preparation and rehabilitation activities shall comply with the sound level limits specified in MOECC publication NPC-115 “Construction Equipment”. Site preparation and rehabilitation operations shall be restricted to 07:00-19:00.
- Property line berms in Phase 4 should be constructed as soon as possible during site preparation so as to provide the surrounding residences with some acoustical shielding of the remaining overburden stripping operations. Property line berms in Phase 5-7 should be construction prior to entry into those lands.

6.2 Extraction

In order to ensure that the noise impact from the extraction of aggregate will comply with the guidelines set forth by the MOECC, noise control measures must be incorporated into the operation. The recommended noise controls, outlined in Appendix B, are incorporated into the site and operating plans. The operation shall be consistent with the site and operating plans in terms of:

- Restrictions on the numbers and types of extraction equipment, the noise emissions of the equipment, and the areas of operation.
- The extraction, processing and transport equipment operating are specified and limited
- Berming and local shielding requirements.

Any proposed changes to the aspects of the extraction operations dealt with above as relating to noise control should be reviewed by a qualified acoustical consultant for compliance with the relevant noise criteria.

The noise impact of the proposed extraction operations has been predicted at the representative residences assuming incorporation of the recommended noise control measures. A summary of the noise prediction methodology and sample predictions are contained in Appendix B & C.

The predicted noise levels are based on the scenarios that are expected to produce maximum noise impact. The majority of the time, the work would be occurring in other areas of the site resulting in lower noise impacts. The predicted worst-case noise impacts from extraction and on-site shipping operations at the representative residences are listed

in the following table and compared to the allowable levels based on MOECC guidelines (refer to Table 1).

Conveyors can be used in place of loaders or trucks to transport the extraction materials from the working face to the other licensed pits. Conveyors are typically quieter than either loaders or trucks, which were modelled in this report being the worst-case scenario. As such, they do not pose a significant influence to the surrounding receptors.

Table 2: Predicted Worst-Case Pit Noise Levels - One Hour L_{EQ} (dBA)

Residence	07:00-19:00 Extraction & Shipping	
	Predicted	Allowable
R1	44	45
R2	44	45
R3	46	50
R4	45	50
R5	41	45
R6	43	45
R7	50	50
R8	43	50
R9	42	50
R10	50	50
R11	45	50
R12	44	50
R13	48	50
R14	42	50
R15	42	50
R16	41	50
R17	46	51
R18	45	51
R19	53	53
R20	44	45

At each of the representative residences, the predicted worst-case noise impacts are in compliance with the recommended Ministry of Environment and Climate Change sound level limits.

6.3 Shipping

Since the extensions are proposed to operate as an extension of the existing licences, that is, the shipping will be through the licensed sites, with no trucking access proposed directly off the extensions, offsite shipping noise impact will not be considered for this report, as the total vehicular volumes will not change.

7 Conclusion

With the incorporation of the recommended noise control measures, the aggregate extraction operations in the two (2) proposed Strada Aggregates extensions will comply with the MNRF and MOECC guidelines for noise from stationary sources.

Figures



Project ID: 16099

Project Name

Scale: NTS
Drawn by: NSW
Reviewed by: NSW
Date: Feb 8, 2017
Revision: 1

Melancthon Pits Extension Noise Study

Figure Title

Aerial of Existing Location showing Receptors





Project ID: 16099

Scale: NTS

Drawn by: NSW

Reviewed by: NSW

Date: May 25, 2017

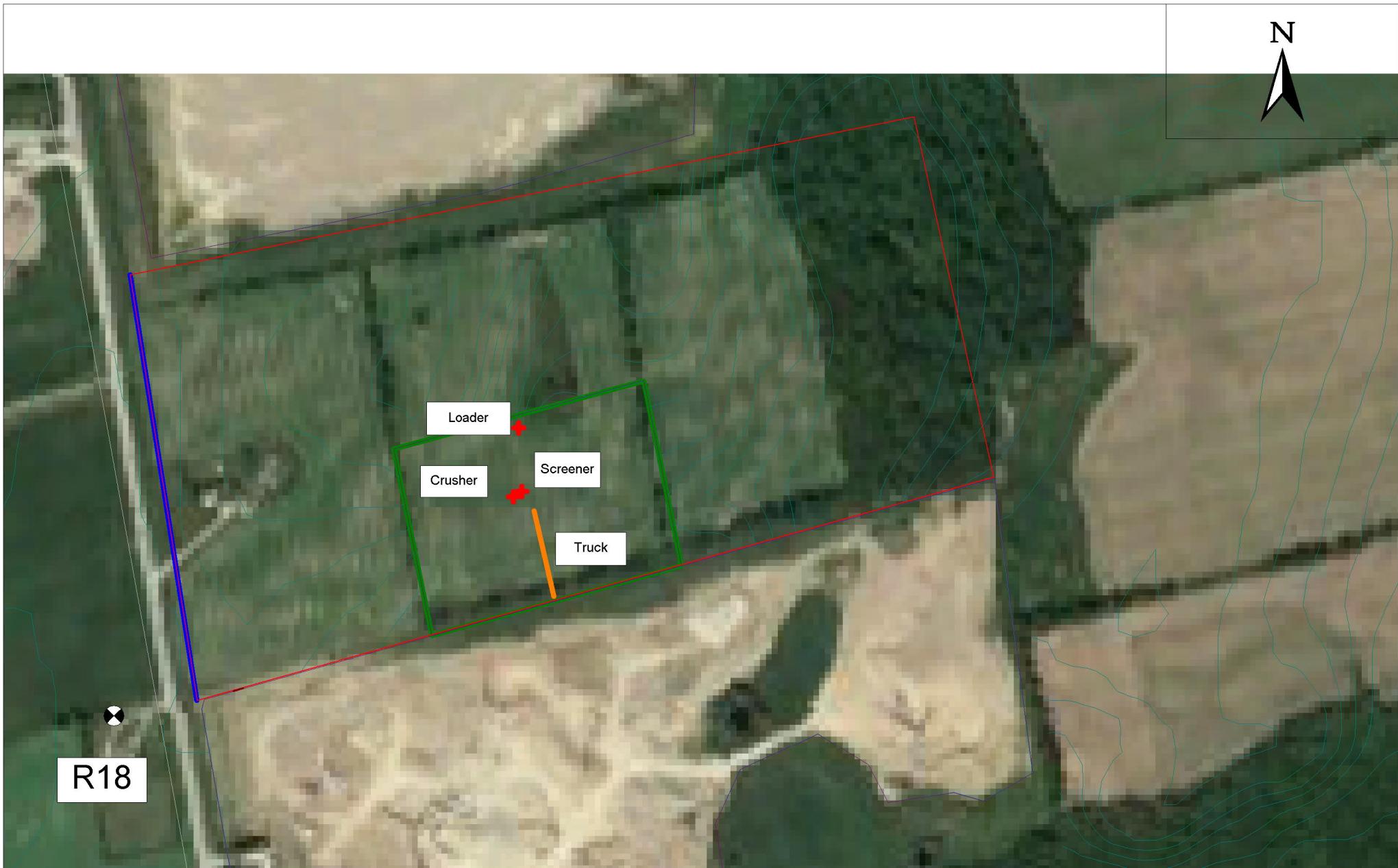
Revision: 1

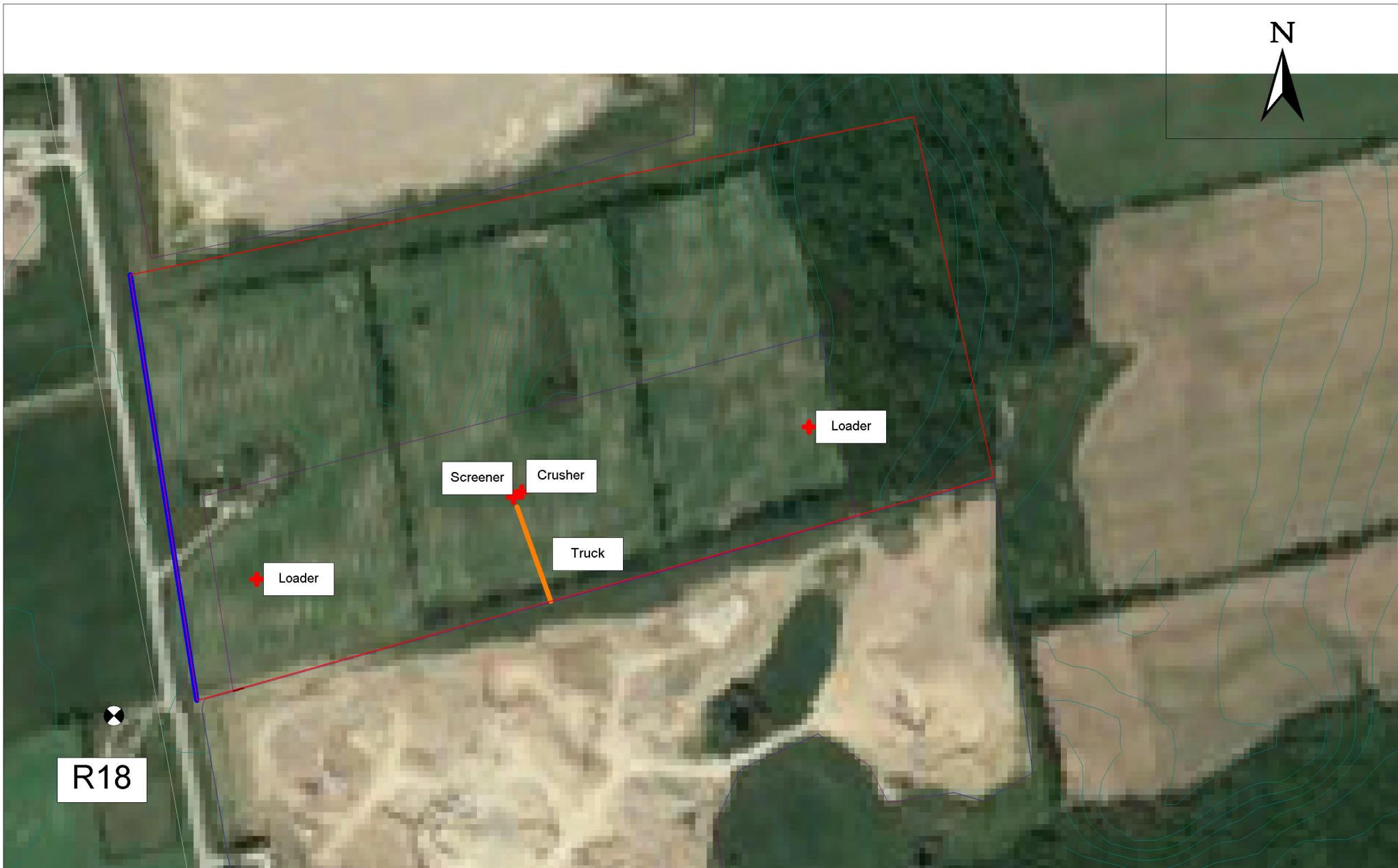
Project Name

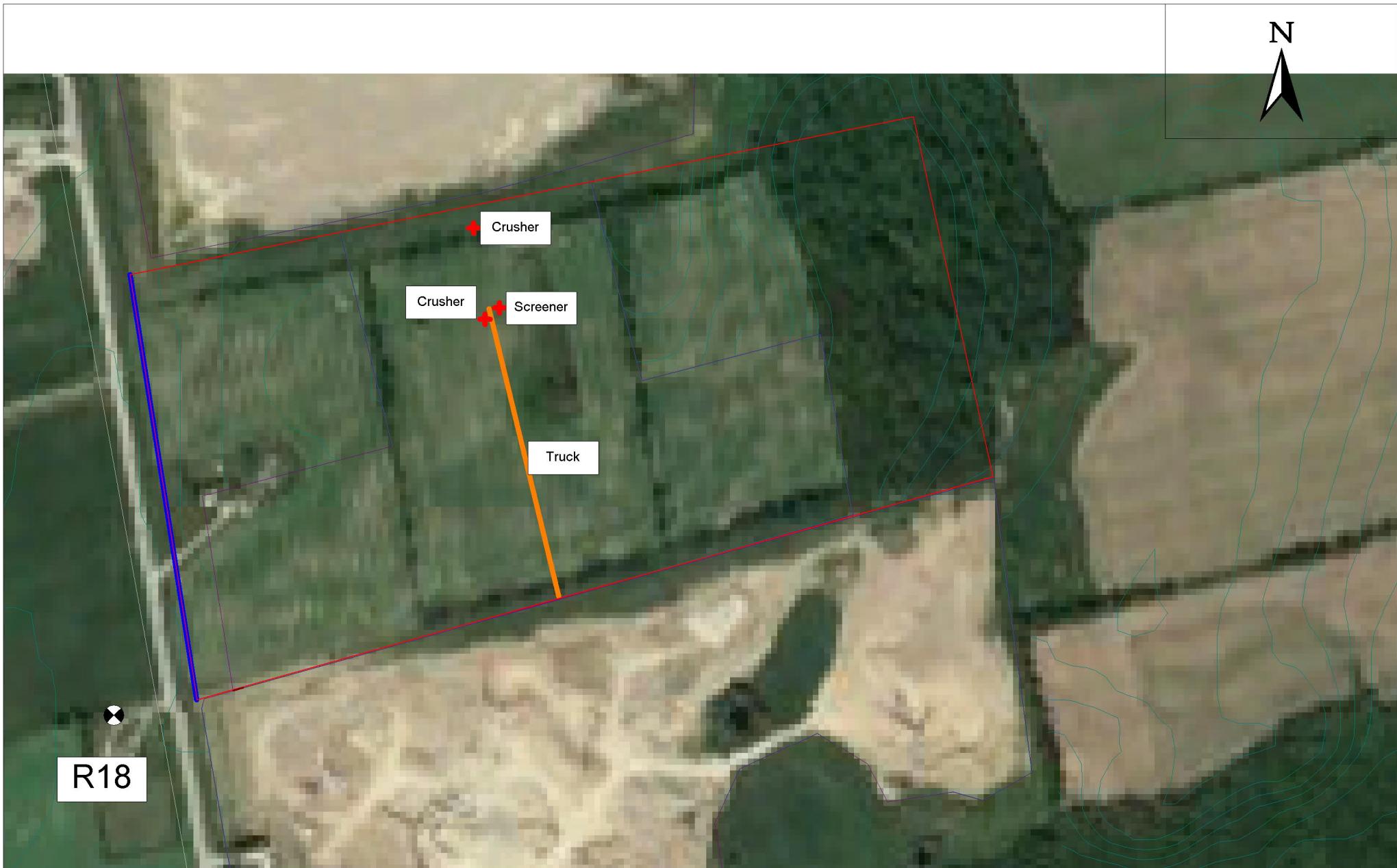
Melancthon Pits Extension Noise Study

Figure Title

North Pit Controls











Appendix A

Recommended Noise Control Measures

1. The sound emissions of all construction equipment involved in site preparation and rehabilitation activities shall comply with the sound level limits specified in MOECC publication NPC-115 “*Construction Equipment*”.
2. It is understood that the existing Licence No. 129167 (Pit 1) and Licence 625155 (Pit 2) will continue subject to existing mitigation requirements for that site shall remain, with the exception of:
 - a. The berm along the common north boundary of Licence 129167 can be removed; and
 - b. The berm along the common north boundary of Licence 625611 can be removed.
3. Within Phase 4, except where further restrictions apply as outlined below, the extraction and processing equipment operating in the extension shall be limited to:
 - a. One (1) Crusher with extraction loader;
 - b. One (1) Screening Plant with extraction loader;
 - c. One (1) shipping loader

Note: Concurrent processing allowed in Pit No. 2 in accordance with existing noise conditions, but never more than a total of two (2) crushers, two (2) screeners, one (1) wash plant and five (5) loaders between Phase 4 and Pit No. 2
4. Within Phase 5-7, except where further restrictions apply as outlined below, the extraction and processing equipment operating in the extension shall be limited to:
 - a. One (1) crusher with extraction loader;
 - b. One (1) Screening Plant with extraction loader;
 - c. One (1) shipping loader; and
 - d. The potential to relocate the Wash Plant from the exiting licences to this extension.

Note: Concurrent processing allowed in Pit No. 1, Pit No. 2, Phase 4 but never more than a total of two (2) crushers, two (2) screeners, one (1) wash plant and five (5) loaders

5. The reference sound emission levels of these equipment on the extensions shall not exceed:

Equipment	Reference Sound Level (dBA) (One Hour L_{EQ} @ 30 metres)
Crusher	84
Screener	80
Loader (each)	70
Wash Plant	76
Shipping truck (each)	66

6. Hours of operation for these extensions shall be restricted to the following time periods for the following activities:

Table 3: Hours of Operation

Activity	Hours of Operation
Shipping	06:00 – 19:00 (Mon – Fri)
Loading, Shipping, Crushing and Processing	07:00 – 19:00 (Mon – Sat)

7. Perimeter acoustical berms shall be constructed as indicated on the site plans. The minimum heights are specified. The phasing of berm construction shall be as indicated on the site plans.

- a. Within Phase 4, a berm should be constructed along the west perimeter, such that the berm is 4.0m high.
- b. Within Phase 5-7, a berm should be construction along the entire north perimeter, and partially along the entire west perimeter, such that the berm is 5.0m high.

8. The phasing and direction of extraction shall be as indicated on the site plans.

- a. Within Phase 4,
 - i. the processing equipment (crushing or screening) should not operate within 75m of the west perimeter;
 - ii. The processing equipment (crushing or screening) must operate within 50m of the west extraction face, if within 250m of the west licence boundary; and

- iii. The processing equipment (crushing or screening) must operate within 50m of the east extraction face, if within 300m of the east licence boundary.
- b. Within Phase 5-7,
- i. the processing equipment (crushing or screening) should not operate within 150m of the west perimeter;
 - ii. The processing equipment (crushing or screening) must operate within 50m of the west extraction face, if within 250m of the west licence boundary;
 - iii. the processing equipment (crushing or screening) should not operate within 100m of the east perimeter;
 - iv. The processing equipment (crushing or screening) must operate within 50m of the east extraction face, if within 200m of the east licence boundary; and
 - v. the processing equipment (crushing or screening) should not operate within 150m of the north perimeter;
9. The depth of each lift shall where possible be a minimum of 7 metres. If this requirement cannot be met for the 2nd (or 3rd) lift, the lifts shall be extracted in close succession such that the combined face height is a minimum of 7 metres.
10. Any proposed changes to the aspects of the extraction and processing operations dealt with above as relating to noise control shall be reviewed by a qualified acoustical consultant for compliance with the relevant noise criteria.

Appendix B

Noise Prediction Methodology

The relevant noise sources were identified and a one-hour L_{EQ} was defined for each. Noise levels for the work cycles were taken as continuous throughout the design hour.

Worst-case scenarios were defined on the basis of maximum noise impact at each of the representative points of reception. Propagation paths were defined in terms of topography, distances and elevations. Noise levels were predicted using the methodology of the International Standard ISO 9613-2 *Acoustics - Attenuation of Sound During Propagation Outdoors*.

Standard point-source distance attenuation was applied to all pit noise sources. Barrier attenuation was calculated using standard diffraction theory. Single barrier attenuation was limited to 20 dB while double barrier attenuation was limited to 25 dB. Attenuation from air absorption and ground effect was included in the predictions. Foliage attenuation was applied where applicable. Noise levels were predicted under conditions of downwind propagation. It is under these conditions that the noise impact will typically be at a maximum.

Predictions of extraction and processing noise impact at the sensitive points of reception are included to illustrate the methodology.

Melancthon Pit 1 Extensions NIS
Project No. 16099
Variant 03

Receiver: R01

Project: Melancthon Pit 1 Extensions NIS.v03

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R01	R01	562378.7	4887726.2	495.0

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	70.5	0.0	0.5	4.4	4.1	0.0	0.0	0.0	0.0	0.0	42
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	70.4	0.0	0.8	4.2	2.6	0.0	0.0	0.0	0.0	0.0	30
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	70.5	0.0	0.1	4.7	4.8	0.0	0.0	0.0	0.0	0.0	38
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	70.4	0.0	0.3	4.5	3.7	0.0	0.0	0.0	0.0	0.0	11

Receiver: R02

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	41

Receiver Name	Receiver ID	X	Y	Z
R02	R02	562303.3	4888309.2	493.1

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	72.4	0.0	-1.5	6.3	4.8	0.0	0.0	0.0	0.0	0.0	40
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	72.1	0.0	0.4	14.0	3.0	0.0	0.0	0.0	0.0	0.0	18
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	72.4	0.0	-1.5	6.3	5.5	0.0	0.0	0.0	0.0	0.0	35
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	72.5	0.0	-1.5	6.3	4.5	0.0	0.0	0.0	0.0	0.0	8

Receiver: R03

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	35

Receiver Name	Receiver ID	X	Y	Z
R03	R03	560770.4	4889119.8	514.5

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	76.0	0.0	-0.9	6.2	6.5	0.0	0.0	0.0	0.0	0.0	34
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	75.7	0.0	0.6	15.4	3.9	0.0	0.0	0.0	0.0	0.0	12
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	76.0	0.0	-0.9	6.3	7.3	0.0	0.0	0.0	0.0	0.0	29
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	76.2	0.0	-1.4	6.2	6.3	0.0	0.0	0.0	0.0	0.0	3

Receiver: R04

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	31

Receiver Name	Receiver ID	X	Y	Z
R04	R04	560929.3	4889223.6	514.5

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	76.2	0.0	-0.9	9.7	6.6	0.0	0.0	0.0	0.0	0.0	30
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	75.9	0.0	0.6	17.8	4.0	0.0	0.0	0.0	0.0	0.0	9
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	76.2	0.0	-0.9	9.6	7.4	0.0	0.0	0.0	0.0	0.0	26
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	76.4	0.0	-1.5	6.5	6.4	0.0	0.0	0.0	0.0	0.0	2

Receiver: R05

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	34

Receiver Name	Receiver ID	X	Y	Z
R05	R05	562020.0	4889415.4	503.5

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	77.1	0.0	-1.3	6.6	7.1	0.0	0.0	0.0	0.0	0.0	32
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	76.8	0.0	0.5	16.1	4.3	0.0	0.0	0.0	0.0	0.0	10
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	77.0	0.0	-1.2	6.5	7.9	0.0	0.0	0.0	0.0	0.0	28
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	77.2	0.0	-1.5	6.2	6.8	0.0	0.0	0.0	0.0	0.0	1

Receiver: R06

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R06	R06	562480.5	4887095.2	495.2

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	71.8	0.0	-1.5	6.3	4.6	0.0	0.0	0.0	0.0	0.0	41
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	71.9	0.0	-1.4	6.1	2.9	0.0	0.0	0.0	0.0	0.0	28
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	71.7	0.0	-1.6	6.3	5.3	0.0	0.0	0.0	0.0	0.0	36
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	71.4	0.0	-1.2	6.3	4.1	0.0	0.0	0.0	0.0	0.0	9

Receiver: R07

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
R07	R07	560883.3	4888401.2	514.5

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	71.7	0.0	-1.1	9.0	4.6	0.0	0.0	0.0	0.0	0.0	38
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	71.3	0.0	0.7	17.5	2.8	0.0	0.0	0.0	0.0	0.0	15
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	71.7	0.0	-1.1	9.1	5.3	0.0	0.0	0.0	0.0	0.0	33
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	72.1	0.0	-1.5	6.4	4.3	0.0	0.0	0.0	0.0	0.0	8

Receiver: R08

Project: Melancthon Pit 1 Extensions NIS.v03
Project Number: 16099

Time Period	Total (dBA)
Day	34

Receiver Name	Receiver ID	X	Y	Z
R08	R08	561487.7	4889525.1	514.5

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	77.2	0.0	-1.0	5.8	7.1	0.0	0.0	0.0	0.0	0.0	33
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	77.0	0.0	0.6	15.3	4.3	0.0	0.0	0.0	0.0	0.0	10
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	77.2	0.0	-1.0	6.0	8.0	0.0	0.0	0.0	0.0	0.0	28
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	77.4	0.0	-1.4	6.2	6.9	0.0	0.0	0.0	0.0	0.0	1

Receiver: R09

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	32

Receiver Name	Receiver ID	X	Y	Z
R09	R09	561065.2	4889535.5	514.6

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	77.4	0.0	-0.9	7.3	7.3	0.0	0.0	0.0	0.0	0.0	31
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	77.2	0.0	0.6	16.7	4.4	0.0	0.0	0.0	0.0	0.0	9
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	77.4	0.0	-0.9	7.3	8.1	0.0	0.0	0.0	0.0	0.0	26
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	77.6	0.0	-1.4	6.2	7.0	0.0	0.0	0.0	0.0	0.0	0

Receiver: R10

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	48

Receiver Name	Receiver ID	X	Y	Z
R10	R10	560881.9	4887542.3	518.0

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	66.3	0.0	-1.5	7.6	2.9	0.0	0.0	0.0	0.0	0.0	46
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	66.3	0.0	0.0	13.3	1.9	0.0	0.0	0.0	0.0	0.0	26
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	66.4	0.0	-1.5	7.5	3.4	0.0	0.0	0.0	0.0	0.0	42
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	66.8	0.0	-1.6	6.6	2.6	0.0	0.0	0.0	0.0	0.0	15

Receiver: R11

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R11	R11	562038.5	4886830.7	497.7

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	69.8	0.0	-1.4	6.2	3.9	0.0	0.0	0.0	0.0	0.0	43
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	70.2	0.0	-1.5	6.2	2.6	0.0	0.0	0.0	0.0	0.0	30
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	69.8	0.0	-1.5	6.2	4.5	0.0	0.0	0.0	0.0	0.0	39
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	69.3	0.0	-0.6	6.1	3.4	0.0	0.0	0.0	0.0	0.0	12

Receiver: R12

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R12	R12	561796.2	4886627.8	499.8

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	70.3	0.0	-1.4	6.2	4.1	0.0	0.0	0.0	0.0	0.0	43
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	70.7	0.0	-1.4	6.2	2.7	0.0	0.0	0.0	0.0	0.0	29
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	70.3	0.0	-1.4	6.2	4.7	0.0	0.0	0.0	0.0	0.0	38
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	69.8	0.0	-0.5	6.2	3.5	0.0	0.0	0.0	0.0	0.0	11

Receiver: R13

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	47

Receiver Name	Receiver ID	X	Y	Z
R13	R13	561163.5	4886867.4	510.3

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	67.7	0.0	-1.6	6.4	3.3	0.0	0.0	0.0	0.0	0.0	46
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	68.4	0.0	-1.6	6.3	2.2	0.0	0.0	0.0	0.0	0.0	32
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	67.8	0.0	-1.6	6.4	3.8	0.0	0.0	0.0	0.0	0.0	41
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	67.4	0.0	-0.9	6.7	2.8	0.0	0.0	0.0	0.0	0.0	14

Receiver: R14

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R14	R14	561181.2	4886428.4	510.5

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	71.8	0.0	-1.4	6.2	4.6	0.0	0.0	0.0	0.0	0.0	41
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	72.2	0.0	-1.5	6.2	3.0	0.0	0.0	0.0	0.0	0.0	27
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	71.8	0.0	-1.5	6.2	5.3	0.0	0.0	0.0	0.0	0.0	36
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	71.5	0.0	-0.7	5.9	4.1	0.0	0.0	0.0	0.0	0.0	9

Receiver: R15

Project: Melancthon Pit 1 Extensions NIS.v03
Project Number: 16099

Time Period	Total (dBA)
Day	41

Receiver Name	Receiver ID	X	Y	Z
R15	R15	561073.6	4886386.4	509.7

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	72.3	0.0	-1.4	6.2	4.8	0.0	0.0	0.0	0.0	0.0	40
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	72.7	0.0	-1.5	6.2	3.1	0.0	0.0	0.0	0.0	0.0	27
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	72.4	0.0	-1.5	6.2	5.5	0.0	0.0	0.0	0.0	0.0	35
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	72.1	0.0	-0.8	5.8	4.3	0.0	0.0	0.0	0.0	0.0	8

Receiver: R16

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	40

Receiver Name	Receiver ID	X	Y	Z
R16	R16	560819.6	4886383.0	508.3

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	73.1	0.0	-1.5	6.2	5.1	0.0	0.0	0.0	0.0	0.0	39
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	73.5	0.0	-1.4	6.2	3.3	0.0	0.0	0.0	0.0	0.0	26
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	73.2	0.0	-1.5	6.3	5.9	0.0	0.0	0.0	0.0	0.0	34
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	72.9	0.0	-1.0	6.4	4.7	0.0	0.0	0.0	0.0	0.0	7

Receiver: R17

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	46

Receiver Name	Receiver ID	X	Y	Z
R17	R17	561209.0	4886722.4	510.2

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	69.1	0.0	-1.5	6.3	3.7	0.0	0.0	0.0	0.0	0.0	44
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	69.7	0.0	-1.5	6.3	2.5	0.0	0.0	0.0	0.0	0.0	31
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	69.2	0.0	-1.5	6.3	4.3	0.0	0.0	0.0	0.0	0.0	40
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	68.7	0.0	-0.8	6.6	3.2	0.0	0.0	0.0	0.0	0.0	12

Receiver: R18

Project: Melancthon Pit 1 Extensions NIS.v03
 Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R18	R18	561225.1	4886668.6	510.1

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	69.6	0.0	-1.5	6.3	3.8	0.0	0.0	0.0	0.0	0.0	44
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	70.1	0.0	-1.5	6.3	2.6	0.0	0.0	0.0	0.0	0.0	30
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	69.7	0.0	-1.5	6.3	4.5	0.0	0.0	0.0	0.0	0.0	39
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	69.2	0.0	-0.7	6.5	3.3	0.0	0.0	0.0	0.0	0.0	12

Receiver: R19

Project: Melancthon Pit 1 Extensions NIS.v03

Project Number: 16099

Time Period	Total (dBA)
Day	46

Receiver Name	Receiver ID	X	Y	Z
R19	R19	561147.1	4887299.9	507.2

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	62.3	0.0	0.0	12.6	2.0	0.0	0.0	0.0	0.0	0.0	45
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	63.0	0.0	0.3	10.0	1.4	0.0	0.0	0.0	0.0	0.0	33
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	62.4	0.0	-0.5	12.7	2.4	0.0	0.0	0.0	0.0	0.0	41
D03_Truck	Truck	561493.8	4887408.0	497.5	0	71	8.3	A	62.2	0.0	-0.2	7.7	1.7	0.0	0.0	0.0	0.0	0.0	8
D03_Truck	Truck	561485.9	4887442.8	497.5	0	71	18.1	A	62.3	0.0	-0.2	10.3	1.7	0.0	0.0	0.0	0.0	0.0	15

Receiver: R20

Project: Melancthon Pit 1 Extensions NIS.v03

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R20	R20	562481.5	4887558.6	496.1

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D03_Crusher	Crusher	561461.9	4887485.8	497.5	0	122	0.0	A	71.2	0.0	-1.5	6.2	4.4	0.0	0.0	0.0	0.0	0.0	41
D03_Loader	Loader	561466.2	4887541.4	497.5	0	107	0.0	A	71.1	0.0	-1.3	6.1	2.8	0.0	0.0	0.0	0.0	0.0	29
D03_Screener	Screener	561468.6	4887489.8	497.5	0	118	0.0	A	71.1	0.0	-1.5	6.3	5.0	0.0	0.0	0.0	0.0	0.0	37
D03_Truck	Truck	561486.6	4887439.5	497.5	0	71	18.5	A	71.0	0.0	-1.5	6.3	3.9	0.0	0.0	0.0	0.0	0.0	10

Melancthon Pit 1 Extensions NIS
Project No. 16099
Variant 04

Receiver: R01

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R01	R01	562378.7	4887726.2	495.0

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	70.5	0.0	0.0	4.8	4.1	0.0	0.0	0.0	0.0	0.0	42
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	67.9	0.0	1.9	4.1	2.1	0.0	0.0	0.0	0.0	0.0	31
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	72.3	0.0	0.2	4.6	3.0	0.0	0.0	0.0	0.0	0.0	27
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	70.5	0.0	-0.3	5.1	4.8	0.0	0.0	0.0	0.0	0.0	38
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	70.5	0.0	-0.2	4.9	3.8	0.0	0.0	0.0	0.0	0.0	11

Receiver: R02

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	41

Receiver Name	Receiver ID	X	Y	Z
R02	R02	562303.3	4888309.2	493.1

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	72.4	0.0	-1.5	6.3	4.8	0.0	0.0	0.0	0.0	0.0	40
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	70.8	0.0	0.1	4.8	2.7	0.0	0.0	0.0	0.0	0.0	29
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	73.8	0.0	-1.4	6.6	3.4	0.0	0.0	0.0	0.0	0.0	25
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	72.4	0.0	-1.5	6.3	5.5	0.0	0.0	0.0	0.0	0.0	35
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	72.6	0.0	-1.7	6.5	4.5	0.0	0.0	0.0	0.0	0.0	9

Receiver: R03

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	36

Receiver Name	Receiver ID	X	Y	Z
R03	R03	560770.4	4889119.8	514.5

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	76.0	0.0	-1.0	6.3	6.5	0.0	0.0	0.0	0.0	0.0	34
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	76.0	0.0	-1.3	6.3	4.0	0.0	0.0	0.0	0.0	0.0	23
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	76.3	0.0	-1.3	6.1	4.1	0.0	0.0	0.0	0.0	0.0	22
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	76.0	0.0	-1.0	6.3	7.3	0.0	0.0	0.0	0.0	0.0	29
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	76.2	0.0	-1.4	6.2	6.3	0.0	0.0	0.0	0.0	0.0	3

Receiver: R04

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	32

Receiver Name	Receiver ID	X	Y	Z
R04	R04	560929.3	4889223.6	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	76.2	0.0	-1.0	9.7	6.6	0.0	0.0	0.0	0.0	0.0	30
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	76.3	0.0	-1.4	7.8	4.1	0.0	0.0	0.0	0.0	0.0	21
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	76.3	0.0	-1.3	6.0	4.1	0.0	0.0	0.0	0.0	0.0	22
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	76.2	0.0	-1.0	9.6	7.4	0.0	0.0	0.0	0.0	0.0	26
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	76.4	0.0	-1.4	6.6	6.4	0.0	0.0	0.0	0.0	0.0	2

Receiver: R05

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	34

Receiver Name	Receiver ID	X	Y	Z
R05	R05	562020.0	4889415.4	503.5

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	77.1	0.0	-1.3	6.7	7.1	0.0	0.0	0.0	0.0	0.0	32
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	76.6	0.0	-1.1	5.9	4.2	0.0	0.0	0.0	0.0	0.0	22
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	77.6	0.0	-1.4	6.3	4.5	0.0	0.0	0.0	0.0	0.0	21
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	77.0	0.0	-1.3	6.7	7.9	0.0	0.0	0.0	0.0	0.0	28
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	77.2	0.0	-1.5	6.2	6.8	0.0	0.0	0.0	0.0	0.0	2

Receiver: R06

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R06	R06	562480.5	4887095.2	495.2

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	71.8	0.0	-1.6	6.3	4.6	0.0	0.0	0.0	0.0	0.0	41
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	70.1	0.0	0.2	4.7	2.5	0.0	0.0	0.0	0.0	0.0	30
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	73.1	0.0	-1.4	6.2	3.2	0.0	0.0	0.0	0.0	0.0	26
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	71.7	0.0	-1.6	6.4	5.3	0.0	0.0	0.0	0.0	0.0	36
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	71.5	0.0	-1.4	6.4	4.1	0.0	0.0	0.0	0.0	0.0	10

Receiver: R07

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
R07	R07	560883.3	4888401.2	514.5

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	71.7	0.0	-1.2	9.0	4.6	0.0	0.0	0.0	0.0	0.0	38
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	71.4	0.0	-1.3	6.6	2.8	0.0	0.0	0.0	0.0	0.0	28
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	72.5	0.0	-1.3	6.1	3.1	0.0	0.0	0.0	0.0	0.0	27
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	71.7	0.0	-1.1	9.1	5.3	0.0	0.0	0.0	0.0	0.0	33
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	72.1	0.0	-1.5	6.4	4.3	0.0	0.0	0.0	0.0	0.0	9

Receiver: R08

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	34

Receiver Name	Receiver ID	X	Y	Z
R08	R08	561487.7	4889525.1	514.5

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	77.2	0.0	-1.0	5.8	7.1	0.0	0.0	0.0	0.0	0.0	33
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	77.0	0.0	-1.3	6.1	4.3	0.0	0.0	0.0	0.0	0.0	21
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	77.5	0.0	-1.4	6.8	4.5	0.0	0.0	0.0	0.0	0.0	20
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	77.2	0.0	-1.1	6.1	8.0	0.0	0.0	0.0	0.0	0.0	28
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	77.4	0.0	-1.4	6.2	6.9	0.0	0.0	0.0	0.0	0.0	1

Receiver: R09

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	33

Receiver Name	Receiver ID	X	Y	Z
R09	R09	561065.2	4889535.5	514.6

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	77.4	0.0	-1.0	7.3	7.3	0.0	0.0	0.0	0.0	0.0	31
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	77.4	0.0	-1.2	6.0	4.4	0.0	0.0	0.0	0.0	0.0	21
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	77.5	0.0	-1.4	6.7	4.5	0.0	0.0	0.0	0.0	0.0	20
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	77.4	0.0	-1.0	7.4	8.1	0.0	0.0	0.0	0.0	0.0	26
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	77.6	0.0	-1.4	6.2	7.0	0.0	0.0	0.0	0.0	0.0	1

Receiver: R10

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	49

Receiver Name	Receiver ID	X	Y	Z
R10	R10	560881.9	4887542.3	518.0

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	66.3	0.0	-1.9	6.7	2.9	0.0	0.0	0.0	0.0	0.0	48
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	62.9	0.0	0.0	13.4	1.4	0.0	0.0	0.0	0.0	0.0	30
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	69.3	0.0	-1.9	6.6	2.4	0.0	0.0	0.0	0.0	0.0	31
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	66.4	0.0	-1.9	6.7	3.4	0.0	0.0	0.0	0.0	0.0	43
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	66.6	0.0	-2.4	7.2	2.6	0.0	0.0	0.0	0.0	0.0	16

Receiver: R11

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R11	R11	562038.5	4886830.7	497.7

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	69.8	0.0	-1.4	6.2	3.9	0.0	0.0	0.0	0.0	0.0	43
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	68.9	0.0	-1.3	6.0	2.3	0.0	0.0	0.0	0.0	0.0	31
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	70.8	0.0	-1.3	6.1	2.7	0.0	0.0	0.0	0.0	0.0	29
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	69.8	0.0	-1.5	6.3	4.5	0.0	0.0	0.0	0.0	0.0	39
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	69.4	0.0	-0.7	6.1	3.4	0.0	0.0	0.0	0.0	0.0	12

Receiver: R12

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R12	R12	561796.2	4886627.8	499.8

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	70.3	0.0	-1.4	6.2	4.1	0.0	0.0	0.0	0.0	0.0	43
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	70.3	0.0	-1.2	6.0	2.6	0.0	0.0	0.0	0.0	0.0	30
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	70.6	0.0	-1.3	6.2	2.7	0.0	0.0	0.0	0.0	0.0	29
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	70.3	0.0	-1.4	6.2	4.7	0.0	0.0	0.0	0.0	0.0	38
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	69.8	0.0	-0.6	6.5	3.5	0.0	0.0	0.0	0.0	0.0	11

Receiver: R13

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	48

Receiver Name	Receiver ID	X	Y	Z
R13	R13	561163.5	4886867.4	510.3

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	67.7	0.0	-1.6	6.4	3.3	0.0	0.0	0.0	0.0	0.0	46
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	65.9	0.0	-1.3	6.5	1.8	0.0	0.0	0.0	0.0	0.0	35
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	69.7	0.0	-1.4	6.2	2.5	0.0	0.0	0.0	0.0	0.0	31
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	67.8	0.0	-1.6	6.4	3.8	0.0	0.0	0.0	0.0	0.0	41
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	67.3	0.0	-1.0	6.2	2.8	0.0	0.0	0.0	0.0	0.0	15

Receiver: R14

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R14	R14	561181.2	4886428.4	510.5

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	71.8	0.0	-1.4	6.2	4.6	0.0	0.0	0.0	0.0	0.0	41
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	70.9	0.0	-1.3	6.1	2.7	0.0	0.0	0.0	0.0	0.0	29
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	72.8	0.0	-1.3	6.1	3.1	0.0	0.0	0.0	0.0	0.0	27
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	71.8	0.0	-1.5	6.2	5.3	0.0	0.0	0.0	0.0	0.0	36
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	71.5	0.0	-0.7	5.7	4.1	0.0	0.0	0.0	0.0	0.0	10

Receiver: R15

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	41

Receiver Name	Receiver ID	X	Y	Z
R15	R15	561073.6	4886386.4	509.7

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	72.3	0.0	-1.4	6.2	4.8	0.0	0.0	0.0	0.0	0.0	40
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	71.4	0.0	-1.3	6.1	2.8	0.0	0.0	0.0	0.0	0.0	28
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	73.4	0.0	-1.4	6.1	3.3	0.0	0.0	0.0	0.0	0.0	26
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	72.4	0.0	-1.5	6.2	5.5	0.0	0.0	0.0	0.0	0.0	35
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	72.0	0.0	-0.8	5.7	4.3	0.0	0.0	0.0	0.0	0.0	9

Receiver: R16

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	40

Receiver Name	Receiver ID	X	Y	Z
R16	R16	560819.6	4886383.0	508.3

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	73.1	0.0	-1.5	6.2	5.1	0.0	0.0	0.0	0.0	0.0	39
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	72.0	0.0	-0.8	6.0	3.0	0.0	0.0	0.0	0.0	0.0	27
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	74.3	0.0	-1.4	6.2	3.5	0.0	0.0	0.0	0.0	0.0	25
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	73.2	0.0	-1.5	6.3	5.9	0.0	0.0	0.0	0.0	0.0	34
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	72.9	0.0	-1.1	6.0	4.7	0.0	0.0	0.0	0.0	0.0	8

Receiver: R17

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	46

Receiver Name	Receiver ID	X	Y	Z
R17	R17	561209.0	4886722.4	510.2

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	69.1	0.0	-1.5	6.3	3.7	0.0	0.0	0.0	0.0	0.0	44
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	67.9	0.0	-1.2	6.3	2.1	0.0	0.0	0.0	0.0	0.0	32
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	70.6	0.0	-1.3	6.1	2.7	0.0	0.0	0.0	0.0	0.0	29
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	69.2	0.0	-1.5	6.3	4.3	0.0	0.0	0.0	0.0	0.0	40
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	68.7	0.0	-0.8	6.0	3.2	0.0	0.0	0.0	0.0	0.0	13

Receiver: R18

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R18	R18	561225.1	4886668.6	510.1

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	69.6	0.0	-1.5	6.3	3.8	0.0	0.0	0.0	0.0	0.0	44
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	68.5	0.0	-1.2	6.2	2.3	0.0	0.0	0.0	0.0	0.0	32
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	71.0	0.0	-1.3	6.1	2.7	0.0	0.0	0.0	0.0	0.0	29
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	69.7	0.0	-1.5	6.3	4.5	0.0	0.0	0.0	0.0	0.0	39
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	69.2	0.0	-0.8	6.0	3.3	0.0	0.0	0.0	0.0	0.0	13

Receiver: R19

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	53

Receiver Name	Receiver ID	X	Y	Z
R19	R19	561147.1	4887299.9	507.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	62.3	0.0	-1.5	7.6	2.0	0.0	0.0	0.0	0.0	0.0	51
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	55.1	0.0	1.2	13.9	0.7	0.0	0.0	0.0	0.0	0.0	37
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	66.6	0.0	-0.9	5.7	1.9	0.0	0.0	0.0	0.0	0.0	34
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	62.4	0.0	-1.8	8.0	2.4	0.0	0.0	0.0	0.0	0.0	47
D04_Truck	Truck	561476.7	4887443.8	497.5	0	71	18.6	A	62.1	0.0	-1.5	7.0	1.7	0.0	0.0	0.0	0.0	0.0	21
D04_Truck	Truck	561490.4	4887405.3	497.5	0	71	9.9	A	62.1	0.0	-1.2	6.0	1.7	0.0	0.0	0.0	0.0	0.0	13

Receiver: R20

Project: Melancthon Pit 1 Extensions NIS.v04

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R20	R20	562481.5	4887558.6	496.1

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D04_Crusher	Crusher	561461.9	4887485.4	497.5	0	122	0.0	A	71.2	0.0	-1.9	6.7	4.4	0.0	0.0	0.0	0.0	0.0	41
D04_Loader	Loader	561701.9	4887542.4	497.5	0	107	0.0	A	68.8	0.0	0.4	4.5	2.3	0.0	0.0	0.0	0.0	0.0	31
D04_Loader	Loader	561253.5	4887418.8	497.5	0	107	0.0	A	72.8	0.0	-2.1	6.8	3.2	0.0	0.0	0.0	0.0	0.0	27
D04_Screener	Screener	561468.6	4887489.6	497.5	0	118	0.0	A	71.1	0.0	-1.9	6.7	5.0	0.0	0.0	0.0	0.0	0.0	37
D04_Truck	Truck	561478.4	4887439.2	497.5	0	71	19.1	A	71.1	0.0	-1.9	6.7	4.0	0.0	0.0	0.0	0.0	0.0	11

Melancthon Pit 1 Extensions NIS
Project No. 16099
Variant 05

Receiver: R01

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R01	R01	562378.7	4887726.2	495.0

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	70.5	0.0	2.3	3.7	4.1	0.0	0.0	0.0	0.0	0.0	41
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	70.5	0.0	2.3	4.3	4.1	0.0	0.0	0.0	0.0	0.0	40
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	70.4	0.0	1.9	4.6	4.7	0.0	0.0	0.0	0.0	0.0	36
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	70.4	0.0	2.1	3.4	3.7	0.0	0.0	0.0	0.0	0.0	16

Receiver: R02

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R02	R02	562303.3	4888309.2	493.1

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	71.5	0.0	0.7	4.3	4.5	0.0	0.0	0.0	0.0	0.0	41
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	71.8	0.0	0.7	4.4	4.6	0.0	0.0	0.0	0.0	0.0	40
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	71.7	0.0	0.6	4.8	5.3	0.0	0.0	0.0	0.0	0.0	36
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	72.2	0.0	0.5	4.4	4.4	0.0	0.0	0.0	0.0	0.0	14

Receiver: R03

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
R03	R03	560770.4	4889119.8	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	74.9	0.0	0.8	4.2	5.9	0.0	0.0	0.0	0.0	0.0	36
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	75.3	0.0	0.8	4.2	6.1	0.0	0.0	0.0	0.0	0.0	35
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	75.2	0.0	0.7	4.4	6.9	0.0	0.0	0.0	0.0	0.0	31
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	75.8	0.0	0.6	4.4	6.0	0.0	0.0	0.0	0.0	0.0	8

Receiver: R04

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
R04	R04	560929.3	4889223.6	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	75.1	0.0	0.8	4.2	6.0	0.0	0.0	0.0	0.0	0.0	36
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	75.5	0.0	0.8	4.2	6.2	0.0	0.0	0.0	0.0	0.0	35
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	75.4	0.0	0.7	4.4	7.0	0.0	0.0	0.0	0.0	0.0	30
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	76.0	0.0	0.6	4.4	6.2	0.0	0.0	0.0	0.0	0.0	8

Receiver: R05

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	37

Receiver Name	Receiver ID	X	Y	Z
R05	R05	562020.0	4889415.4	503.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	76.2	0.0	0.9	4.2	6.6	0.0	0.0	0.0	0.0	0.0	34
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	76.5	0.0	0.9	4.2	6.7	0.0	0.0	0.0	0.0	0.0	33
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	76.4	0.0	0.7	4.4	7.5	0.0	0.0	0.0	0.0	0.0	29
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	76.9	0.0	0.7	4.4	6.6	0.0	0.0	0.0	0.0	0.0	7

Receiver: R06

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R06	R06	562480.5	4887095.2	495.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	72.4	0.0	0.7	4.3	4.8	0.0	0.0	0.0	0.0	0.0	40
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	72.7	0.0	0.7	4.3	5.0	0.0	0.0	0.0	0.0	0.0	39
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	72.3	0.0	0.6	4.4	5.5	0.0	0.0	0.0	0.0	0.0	35
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	71.8	0.0	0.5	4.4	4.2	0.0	0.0	0.0	0.0	0.0	14

Receiver: R07

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	46

Receiver Name	Receiver ID	X	Y	Z
R07	R07	560883.3	4888401.2	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	70.0	0.0	0.6	4.3	3.9	0.0	0.0	0.0	0.0	0.0	43
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	70.6	0.0	0.6	4.3	4.2	0.0	0.0	0.0	0.0	0.0	42
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	70.6	0.0	0.5	4.5	4.8	0.0	0.0	0.0	0.0	0.0	38
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	71.5	0.0	0.5	4.4	4.1	0.0	0.0	0.0	0.0	0.0	15

Receiver: R08

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	37

Receiver Name	Receiver ID	X	Y	Z
R08	R08	561487.7	4889525.1	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	76.2	0.0	0.9	4.2	6.6	0.0	0.0	0.0	0.0	0.0	34
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	76.6	0.0	0.9	4.2	6.8	0.0	0.0	0.0	0.0	0.0	33
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	76.5	0.0	0.7	4.4	7.6	0.0	0.0	0.0	0.0	0.0	29
D05_Truck	Truck	561448.3	4887612.9	497.5	0	71	17.2	A	76.6	0.0	0.7	4.4	6.5	0.0	0.0	0.0	0.0	0.0	0
D05_Truck	Truck	561476.7	4887496.0	497.5	0	71	22.8	A	77.1	0.0	0.7	4.4	6.8	0.0	0.0	0.0	0.0	0.0	5

Receiver: R09

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	37

Receiver Name	Receiver ID	X	Y	Z
R09	R09	561065.2	4889535.5	514.6

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	76.4	0.0	0.9	4.2	6.7	0.0	0.0	0.0	0.0	0.0	34
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	76.8	0.0	0.9	4.2	6.9	0.0	0.0	0.0	0.0	0.0	33
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	76.7	0.0	0.7	4.4	7.7	0.0	0.0	0.0	0.0	0.0	28
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	77.3	0.0	0.7	4.4	6.8	0.0	0.0	0.0	0.0	0.0	6

Receiver: R10

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	50

Receiver Name	Receiver ID	X	Y	Z
R10	R10	560881.9	4887542.3	518.0

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	66.0	0.0	0.5	6.1	2.8	0.0	0.0	0.0	0.0	0.0	46
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	66.1	0.0	0.5	5.2	2.8	0.0	0.0	0.0	0.0	0.0	47
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	66.2	0.0	0.4	5.5	3.3	0.0	0.0	0.0	0.0	0.0	42
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	66.4	0.0	0.4	5.1	2.6	0.0	0.0	0.0	0.0	0.0	21

Receiver: R11

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R11	R11	562038.5	4886830.7	497.7

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	71.0	0.0	0.7	4.3	4.3	0.0	0.0	0.0	0.0	0.0	41
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	71.5	0.0	0.7	4.3	4.5	0.0	0.0	0.0	0.0	0.0	41
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	71.0	0.0	0.5	4.4	5.0	0.0	0.0	0.0	0.0	0.0	37
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	70.0	0.0	0.5	4.4	3.6	0.0	0.0	0.0	0.0	0.0	17

Receiver: R12

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R12	R12	561796.2	4886627.8	499.8

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	71.5	0.0	0.7	4.3	4.5	0.0	0.0	0.0	0.0	0.0	41
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	72.1	0.0	0.7	4.3	4.7	0.0	0.0	0.0	0.0	0.0	40
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	71.6	0.0	0.5	4.4	5.2	0.0	0.0	0.0	0.0	0.0	36
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	70.6	0.0	0.5	4.4	3.8	0.0	0.0	0.0	0.0	0.0	16

Receiver: R13

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	47

Receiver Name	Receiver ID	X	Y	Z
R13	R13	561163.5	4886867.4	510.3

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	69.2	0.0	0.6	4.3	3.7	0.0	0.0	0.0	0.0	0.0	44
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	69.9	0.0	0.6	4.3	3.9	0.0	0.0	0.0	0.0	0.0	43
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	69.3	0.0	0.5	4.5	4.3	0.0	0.0	0.0	0.0	0.0	39
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	68.2	0.0	0.5	4.4	3.0	0.0	0.0	0.0	0.0	0.0	19

Receiver: R14

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R14	R14	561181.2	4886428.4	510.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	72.8	0.0	0.7	4.3	5.0	0.0	0.0	0.0	0.0	0.0	39
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	73.3	0.0	0.7	4.3	5.2	0.0	0.0	0.0	0.0	0.0	38
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	72.9	0.0	0.6	4.4	5.8	0.0	0.0	0.0	0.0	0.0	34
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	72.1	0.0	0.5	4.4	4.3	0.0	0.0	0.0	0.0	0.0	14

Receiver: R15

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R15	R15	561073.6	4886386.4	509.7

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	73.3	0.0	0.7	4.3	5.2	0.0	0.0	0.0	0.0	0.0	38
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	73.7	0.0	0.8	4.3	5.4	0.0	0.0	0.0	0.0	0.0	38
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	73.3	0.0	0.6	4.4	6.0	0.0	0.0	0.0	0.0	0.0	34
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	72.6	0.0	0.6	4.4	4.5	0.0	0.0	0.0	0.0	0.0	13

Receiver: R16

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	41

Receiver Name	Receiver ID	X	Y	Z
R16	R16	560819.6	4886383.0	508.3

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	73.9	0.0	0.8	4.3	5.5	0.0	0.0	0.0	0.0	0.0	37
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	74.3	0.0	0.8	4.2	5.6	0.0	0.0	0.0	0.0	0.0	37
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	74.0	0.0	0.6	4.4	6.3	0.0	0.0	0.0	0.0	0.0	33
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	73.4	0.0	0.6	4.4	4.9	0.0	0.0	0.0	0.0	0.0	12

Receiver: R17

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	46

Receiver Name	Receiver ID	X	Y	Z
R17	R17	561209.0	4886722.4	510.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	70.4	0.0	0.6	4.3	4.1	0.0	0.0	0.0	0.0	0.0	42
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	71.1	0.0	0.7	4.3	4.3	0.0	0.0	0.0	0.0	0.0	41
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	70.5	0.0	0.5	4.5	4.8	0.0	0.0	0.0	0.0	0.0	38
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	69.5	0.0	0.5	4.4	3.4	0.0	0.0	0.0	0.0	0.0	17

Receiver: R18

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R18	R18	561225.1	4886668.6	510.1

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	70.9	0.0	0.7	4.3	4.3	0.0	0.0	0.0	0.0	0.0	42
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	71.5	0.0	0.7	4.3	4.5	0.0	0.0	0.0	0.0	0.0	41
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	71.0	0.0	0.5	4.4	5.0	0.0	0.0	0.0	0.0	0.0	37
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	70.0	0.0	0.5	4.4	3.6	0.0	0.0	0.0	0.0	0.0	17

Receiver: R19

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R19	R19	561147.1	4887299.9	507.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	63.9	0.0	1.8	12.5	2.3	0.0	0.0	0.0	0.0	0.0	41
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	64.9	0.0	1.9	11.5	2.5	0.0	0.0	0.0	0.0	0.0	41
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	64.2	0.0	1.4	12.1	2.8	0.0	0.0	0.0	0.0	0.0	37
D05_Truck	Truck	561455.8	4887581.8	497.5	0	71	20.6	A	63.4	0.0	1.7	4.3	1.9	0.0	0.0	0.0	0.0	0.0	21
D05_Truck	Truck	561483.2	4887469.0	497.5	0	71	20.6	A	62.5	0.0	1.7	4.6	1.7	0.0	0.0	0.0	0.0	0.0	21
D05_Truck	Truck	561497.9	4887408.4	497.5	0	71	9.3	A	62.3	0.0	1.7	3.6	1.7	0.0	0.0	0.0	0.0	0.0	11

Receiver: R20

Project: Melancthon Pit 1 Extensions NIS.v05

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R20	R20	562481.5	4887558.6	496.1

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D05_Crusher	Crusher	561438.9	4887629.4	497.5	0	122	0.0	A	71.4	0.0	0.7	4.3	4.4	0.0	0.0	0.0	0.0	0.0	41
D05_Crusher	Crusher	561429.8	4887703.6	497.5	0	122	0.0	A	71.5	0.0	0.7	4.6	4.5	0.0	0.0	0.0	0.0	0.0	40
D05_Screener	Screener	561450.7	4887638.7	497.5	0	118	0.0	A	71.3	0.0	0.5	4.6	5.1	0.0	0.0	0.0	0.0	0.0	36
D05_Truck	Truck	561470.5	4887521.3	497.5	0	71	23.8	A	71.1	0.0	0.5	4.4	4.0	0.0	0.0	0.0	0.0	0.0	15

Melancthon Pit 1 Extensions NIS
Project No. 16099
Variant 06

Receiver: R01

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R01	R01	562378.7	4887726.2	495.0

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	70.5	0.0	2.3	3.2	4.1	0.0	0.0	0.0	0.0	0.0	42
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	68.6	0.0	2.3	4.3	2.3	0.0	0.0	0.0	0.0	0.0	30
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	72.3	0.0	2.3	4.7	3.0	0.0	0.0	0.0	0.0	0.0	25
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	70.5	0.0	1.9	3.6	4.8	0.0	0.0	0.0	0.0	0.0	37
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	70.4	0.0	2.1	3.4	3.7	0.0	0.0	0.0	0.0	0.0	15

Receiver: R02

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R02	R02	562303.3	4888309.2	493.1

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	71.8	0.0	0.7	4.3	4.6	0.0	0.0	0.0	0.0	0.0	40
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	70.3	0.0	1.0	4.5	2.6	0.0	0.0	0.0	0.0	0.0	29
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	73.2	0.0	0.9	4.7	3.3	0.0	0.0	0.0	0.0	0.0	25
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	71.7	0.0	0.6	4.5	5.3	0.0	0.0	0.0	0.0	0.0	36
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	72.2	0.0	0.5	4.4	4.4	0.0	0.0	0.0	0.0	0.0	13

Receiver: R03

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	37

Receiver Name	Receiver ID	X	Y	Z
R03	R03	560770.4	4889119.8	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	75.2	0.0	0.8	4.2	6.1	0.0	0.0	0.0	0.0	0.0	35
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	75.0	0.0	0.9	4.8	3.7	0.0	0.0	0.0	0.0	0.0	23
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	75.4	0.0	0.9	5.0	3.8	0.0	0.0	0.0	0.0	0.0	22
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	75.2	0.0	0.7	4.4	6.9	0.0	0.0	0.0	0.0	0.0	31
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	75.8	0.0	0.6	4.4	6.1	0.0	0.0	0.0	0.0	0.0	8

Receiver: R04

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	37

Receiver Name	Receiver ID	X	Y	Z
R04	R04	560929.3	4889223.6	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	75.4	0.0	0.8	4.2	6.2	0.0	0.0	0.0	0.0	0.0	35
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	75.3	0.0	0.9	4.9	3.8	0.0	0.0	0.0	0.0	0.0	23
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	75.5	0.0	0.9	5.0	3.9	0.0	0.0	0.0	0.0	0.0	22
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	75.4	0.0	0.7	4.4	7.0	0.0	0.0	0.0	0.0	0.0	30
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	76.1	0.0	0.6	4.4	6.2	0.0	0.0	0.0	0.0	0.0	8

Receiver: R05

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	35

Receiver Name	Receiver ID	X	Y	Z
R05	R05	562020.0	4889415.4	503.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	76.4	0.0	0.9	4.2	6.7	0.0	0.0	0.0	0.0	0.0	33
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	76.0	0.0	0.8	4.9	4.0	0.0	0.0	0.0	0.0	0.0	22
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	77.0	0.0	0.8	5.0	4.3	0.0	0.0	0.0	0.0	0.0	20
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	76.4	0.0	0.7	4.4	7.5	0.0	0.0	0.0	0.0	0.0	29
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	76.9	0.0	0.7	4.4	6.6	0.0	0.0	0.0	0.0	0.0	6

Receiver: R06

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	41

Receiver Name	Receiver ID	X	Y	Z
R06	R06	562480.5	4887095.2	495.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	72.4	0.0	0.7	4.3	4.8	0.0	0.0	0.0	0.0	0.0	40
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	71.4	0.0	1.0	4.6	2.8	0.0	0.0	0.0	0.0	0.0	28
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	73.7	0.0	0.9	4.7	3.4	0.0	0.0	0.0	0.0	0.0	25
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	72.4	0.0	0.6	4.4	5.5	0.0	0.0	0.0	0.0	0.0	35
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	71.8	0.0	0.5	4.4	4.2	0.0	0.0	0.0	0.0	0.0	14

Receiver: R07

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R07	R07	560883.3	4888401.2	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	70.5	0.0	0.6	4.3	4.1	0.0	0.0	0.0	0.0	0.0	42
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	69.8	0.0	1.0	4.5	2.5	0.0	0.0	0.0	0.0	0.0	30
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	71.2	0.0	1.0	4.8	2.8	0.0	0.0	0.0	0.0	0.0	28
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	70.5	0.0	0.5	4.5	4.8	0.0	0.0	0.0	0.0	0.0	38
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	71.5	0.0	0.5	4.4	4.1	0.0	0.0	0.0	0.0	0.0	14

Receiver: R08

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	35

Receiver Name	Receiver ID	X	Y	Z
R08	R08	561487.7	4889525.1	514.5

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	76.5	0.0	0.9	4.2	6.8	0.0	0.0	0.0	0.0	0.0	33
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	76.3	0.0	0.8	5.0	4.1	0.0	0.0	0.0	0.0	0.0	21
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	76.8	0.0	0.8	5.0	4.2	0.0	0.0	0.0	0.0	0.0	21
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	76.5	0.0	0.7	4.4	7.6	0.0	0.0	0.0	0.0	0.0	29
D06_Truck	Truck	561473.9	4887494.3	497.5	0	71	22.6	A	77.2	0.0	0.7	4.4	6.8	0.0	0.0	0.0	0.0	0.0	5

Receiver: R09

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	35

Receiver Name	Receiver ID	X	Y	Z
R09	R09	561065.2	4889535.5	514.6

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	76.7	0.0	0.9	4.2	6.9	0.0	0.0	0.0	0.0	0.0	33
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	76.7	0.0	0.8	5.0	4.2	0.0	0.0	0.0	0.0	0.0	21
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	76.8	0.0	0.8	5.0	4.2	0.0	0.0	0.0	0.0	0.0	21
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	76.7	0.0	0.7	4.4	7.7	0.0	0.0	0.0	0.0	0.0	28
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	77.3	0.0	0.7	4.4	6.8	0.0	0.0	0.0	0.0	0.0	6

Receiver: R10

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	49

Receiver Name	Receiver ID	X	Y	Z
R10	R10	560881.9	4887542.3	518.0

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	66.1	0.0	0.5	4.4	2.8	0.0	0.0	0.0	0.0	0.0	48
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	61.7	0.0	1.1	8.9	1.3	0.0	0.0	0.0	0.0	0.0	34
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	68.6	0.0	1.0	4.5	2.3	0.0	0.0	0.0	0.0	0.0	31
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	66.1	0.0	0.4	4.5	3.3	0.0	0.0	0.0	0.0	0.0	44
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	66.4	0.0	0.4	4.4	2.5	0.0	0.0	0.0	0.0	0.0	21

Receiver: R11

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R11	R11	562038.5	4886830.7	497.7

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	71.0	0.0	0.7	4.3	4.3	0.0	0.0	0.0	0.0	0.0	41
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	70.6	0.0	1.0	4.6	2.7	0.0	0.0	0.0	0.0	0.0	29
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	72.0	0.0	1.0	4.6	3.0	0.0	0.0	0.0	0.0	0.0	27
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	71.1	0.0	0.5	4.4	5.0	0.0	0.0	0.0	0.0	0.0	37
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	70.0	0.0	0.5	4.4	3.6	0.0	0.0	0.0	0.0	0.0	16

Receiver: R12

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R12	R12	561796.2	4886627.8	499.8

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	71.6	0.0	0.7	4.3	4.5	0.0	0.0	0.0	0.0	0.0	41
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	71.6	0.0	1.0	4.6	2.9	0.0	0.0	0.0	0.0	0.0	27
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	72.1	0.0	1.0	4.7	3.0	0.0	0.0	0.0	0.0	0.0	27
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	71.6	0.0	0.6	4.4	5.2	0.0	0.0	0.0	0.0	0.0	36
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	70.5	0.0	0.5	4.4	3.8	0.0	0.0	0.0	0.0	0.0	16

Receiver: R13

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R13	R13	561163.5	4886867.4	510.3

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	69.2	0.0	0.6	4.3	3.7	0.0	0.0	0.0	0.0	0.0	44
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	68.3	0.0	1.0	4.4	2.2	0.0	0.0	0.0	0.0	0.0	31
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	70.5	0.0	1.0	4.6	2.6	0.0	0.0	0.0	0.0	0.0	29
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	69.3	0.0	0.5	4.5	4.3	0.0	0.0	0.0	0.0	0.0	39
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	68.1	0.0	0.5	4.4	3.0	0.0	0.0	0.0	0.0	0.0	19

Receiver: R14

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	40

Receiver Name	Receiver ID	X	Y	Z
R14	R14	561181.2	4886428.4	510.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	72.8	0.0	0.7	4.3	5.0	0.0	0.0	0.0	0.0	0.0	39
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	72.4	0.0	1.0	4.7	3.0	0.0	0.0	0.0	0.0	0.0	26
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	73.5	0.0	0.9	4.7	3.3	0.0	0.0	0.0	0.0	0.0	25
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	72.9	0.0	0.6	4.4	5.8	0.0	0.0	0.0	0.0	0.0	34
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	72.0	0.0	0.5	4.4	4.3	0.0	0.0	0.0	0.0	0.0	14

Receiver: R15

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	40

Receiver Name	Receiver ID	X	Y	Z
R15	R15	561073.6	4886386.4	509.7

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	73.3	0.0	0.7	4.3	5.2	0.0	0.0	0.0	0.0	0.0	38
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	72.7	0.0	1.0	4.7	3.1	0.0	0.0	0.0	0.0	0.0	26
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	74.0	0.0	0.9	4.8	3.5	0.0	0.0	0.0	0.0	0.0	24
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	73.3	0.0	0.6	4.4	6.0	0.0	0.0	0.0	0.0	0.0	34
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	72.6	0.0	0.6	4.4	4.5	0.0	0.0	0.0	0.0	0.0	13

Receiver: R16

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
R16	R16	560819.6	4886383.0	508.3

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	73.9	0.0	0.8	4.3	5.5	0.0	0.0	0.0	0.0	0.0	37
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	73.2	0.0	0.9	4.7	3.2	0.0	0.0	0.0	0.0	0.0	25
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	74.7	0.0	0.9	4.8	3.6	0.0	0.0	0.0	0.0	0.0	23
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	74.0	0.0	0.6	4.4	6.3	0.0	0.0	0.0	0.0	0.0	33
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	73.3	0.0	0.6	4.4	4.8	0.0	0.0	0.0	0.0	0.0	12

Receiver: R17

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	44

Receiver Name	Receiver ID	X	Y	Z
R17	R17	561209.0	4886722.4	510.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	70.5	0.0	0.6	4.3	4.1	0.0	0.0	0.0	0.0	0.0	42
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	69.9	0.0	1.0	4.5	2.5	0.0	0.0	0.0	0.0	0.0	30
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	71.5	0.0	1.0	4.6	2.8	0.0	0.0	0.0	0.0	0.0	28
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	70.5	0.0	0.5	4.5	4.8	0.0	0.0	0.0	0.0	0.0	38
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	69.5	0.0	0.5	4.4	3.4	0.0	0.0	0.0	0.0	0.0	17

Receiver: R18

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R18	R18	561225.1	4886668.6	510.1

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	70.9	0.0	0.7	4.3	4.3	0.0	0.0	0.0	0.0	0.0	42
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	70.4	0.0	1.0	4.6	2.6	0.0	0.0	0.0	0.0	0.0	29
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	71.8	0.0	1.0	4.6	2.9	0.0	0.0	0.0	0.0	0.0	27
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	71.0	0.0	0.5	4.4	5.0	0.0	0.0	0.0	0.0	0.0	37
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	69.9	0.0	0.5	4.4	3.6	0.0	0.0	0.0	0.0	0.0	17

Receiver: R19

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	51

Receiver Name	Receiver ID	X	Y	Z
R19	R19	561147.1	4887299.9	507.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	64.0	0.0	1.8	4.0	2.4	0.0	0.0	0.0	0.0	0.0	50
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	60.8	0.0	2.2	7.2	1.2	0.0	0.0	0.0	0.0	0.0	36
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	66.8	0.0	2.3	4.2	2.0	0.0	0.0	0.0	0.0	0.0	32
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	64.1	0.0	1.4	4.3	2.8	0.0	0.0	0.0	0.0	0.0	45
D06_Truck	Truck	561456.1	4887575.9	497.5	0	71	20.5	A	63.4	0.0	1.7	4.3	1.9	0.0	0.0	0.0	0.0	0.0	21
D06_Truck	Truck	561480.1	4887466.0	497.5	0	71	20.5	A	62.4	0.0	1.7	4.6	1.7	0.0	0.0	0.0	0.0	0.0	21
D06_Truck	Truck	561492.8	4887407.7	497.5	0	71	8.2	A	62.2	0.0	1.7	3.6	1.7	0.0	0.0	0.0	0.0	0.0	10

Receiver: R20

Project: Melancthon Pit 1 Extensions NIS.v06

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R20	R20	562481.5	4887558.6	496.1

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D06_Crusher	Crusher	561440.5	4887635.1	497.5	0	122	0.0	A	71.4	0.0	0.7	4.3	4.4	0.0	0.0	0.0	0.0	0.0	41
D06_Loader	Loader	561624.6	4887691.7	497.5	0	107	0.0	A	69.8	0.0	1.0	4.5	2.5	0.0	0.0	0.0	0.0	0.0	30
D06_Loader	Loader	561219.6	4887600.1	502.1	0	107	0.0	A	73.0	0.0	0.9	4.7	3.2	0.0	0.0	0.0	0.0	0.0	26
D06_Screener	Screener	561443.5	4887641.6	497.5	0	118	0.0	A	71.4	0.0	0.5	4.4	5.1	0.0	0.0	0.0	0.0	0.0	36
D06_Truck	Truck	561468.8	4887517.7	497.5	0	71	23.7	A	71.1	0.0	0.5	4.4	4.0	0.0	0.0	0.0	0.0	0.0	15

Melancthon Pit 1 Extensions NIS
Project No. 16099
Variant 07

Receiver: R01

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	40

Receiver Name	Receiver ID	X	Y	Z
R01	R01	562378.7	4887726.2	495.0

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	73.3	0.0	0.5	4.7	5.2	0.0	0.0	0.0	0.0	0.0	38
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	73.5	0.0	0.6	4.4	3.3	0.0	0.0	0.0	0.0	0.0	26
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	73.8	0.0	0.7	4.7	3.4	0.0	0.0	0.0	0.0	0.0	25
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	73.4	0.0	0.1	5.0	6.0	0.0	0.0	0.0	0.0	0.0	33
D07_Truck	Truck	561331.3	4888400.5	505.5	0	71	21.5	A	72.9	0.0	0.5	5.4	4.7	0.0	0.0	0.0	0.0	0.0	9
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	73.3	0.0	0.5	4.5	6.3	0.0	0.0	0.0	0.0	0.0	28

Receiver: R02

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R02	R02	562303.3	4888309.2	493.1

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	71.1	0.0	-1.6	6.9	4.4	0.0	0.0	0.0	0.0	0.0	41
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	71.3	0.0	-1.4	6.4	2.8	0.0	0.0	0.0	0.0	0.0	28
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	71.4	0.0	-1.5	6.5	2.8	0.0	0.0	0.0	0.0	0.0	28
D07_	Screeener	561290.8	4888470.3	505.5	0	118	0.0	A	71.2	0.0	-1.7	6.9	5.1	0.0	0.0	0.0	0.0	0.0	36
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	70.7	0.0	-1.6	7.0	3.8	0.0	0.0	0.0	0.0	0.0	14
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	71.1	0.0	-1.5	6.6	5.3	0.0	0.0	0.0	0.0	0.0	31

Receiver: R03

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R03	R03	560770.4	4889119.8	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	69.5	0.0	-1.5	6.3	3.8	0.0	0.0	0.0	0.0	0.0	44
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	68.4	0.0	0.5	10.6	2.2	0.0	0.0	0.0	0.0	0.0	26
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	69.3	0.0	-0.8	5.9	2.4	0.0	0.0	0.0	0.0	0.0	31
D07_	Screeener	561290.8	4888470.3	505.5	0	118	0.0	A	69.4	0.0	-1.5	6.3	4.4	0.0	0.0	0.0	0.0	0.0	39
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	70.4	0.0	-1.7	6.5	3.7	0.0	0.0	0.0	0.0	0.0	15
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	69.5	0.0	-1.4	6.2	4.7	0.0	0.0	0.0	0.0	0.0	34

Receiver: R04

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	45

Receiver Name	Receiver ID	X	Y	Z
R04	R04	560929.3	4889223.6	514.5

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	69.5	0.0	-1.6	6.4	3.8	0.0	0.0	0.0	0.0	0.0	44
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	68.1	0.0	0.5	11.4	2.2	0.0	0.0	0.0	0.0	0.0	25
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	69.4	0.0	-1.4	6.2	2.4	0.0	0.0	0.0	0.0	0.0	31
D07_	Screeener	561290.8	4888470.3	505.5	0	118	0.0	A	69.4	0.0	-1.7	6.5	4.4	0.0	0.0	0.0	0.0	0.0	39
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	70.4	0.0	-2.0	6.7	3.7	0.0	0.0	0.0	0.0	0.0	15
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	69.5	0.0	-1.5	6.3	4.7	0.0	0.0	0.0	0.0	0.0	34

Receiver: R05

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	41

Receiver Name	Receiver ID	X	Y	Z
R05	R05	562020.0	4889415.4	503.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	72.5	0.0	-1.7	6.4	4.9	0.0	0.0	0.0	0.0	0.0	40
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	71.5	0.0	0.2	7.3	2.9	0.0	0.0	0.0	0.0	0.0	26
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	72.7	0.0	-1.6	6.3	3.1	0.0	0.0	0.0	0.0	0.0	27
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	72.5	0.0	-1.7	6.5	5.6	0.0	0.0	0.0	0.0	0.0	35
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	72.8	0.0	-1.7	6.4	4.6	0.0	0.0	0.0	0.0	0.0	11
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	72.5	0.0	-1.5	6.3	5.9	0.0	0.0	0.0	0.0	0.0	29

Receiver: R06

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	36

Receiver Name	Receiver ID	X	Y	Z
R06	R06	562480.5	4887095.2	495.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	76.1	0.0	-1.5	6.3	6.6	0.0	0.0	0.0	0.0	0.0	34
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	76.2	0.0	-1.5	6.3	4.1	0.0	0.0	0.0	0.0	0.0	22
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	76.6	0.0	-1.5	6.3	4.2	0.0	0.0	0.0	0.0	0.0	22
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	76.2	0.0	-1.5	6.3	7.4	0.0	0.0	0.0	0.0	0.0	29
D07_Truck	Truck	561337.7	4888389.4	505.5	0	71	22.2	A	75.7	0.0	-1.4	6.2	6.0	0.0	0.0	0.0	0.0	0.0	7
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	76.2	0.0	-1.4	6.1	7.7	0.0	0.0	0.0	0.0	0.0	24

Receiver: R07

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	50

Receiver Name	Receiver ID	X	Y	Z
R07	R07	560883.3	4888401.2	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	63.5	0.0	-0.9	8.9	2.2	0.0	0.0	0.0	0.0	0.0	48
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	62.9	0.0	0.3	10.4	1.4	0.0	0.0	0.0	0.0	0.0	32
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	64.7	0.0	-1.4	6.3	1.7	0.0	0.0	0.0	0.0	0.0	36
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	63.3	0.0	-0.8	9.9	2.6	0.0	0.0	0.0	0.0	0.0	43
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	64.2	0.0	-1.5	7.1	2.1	0.0	0.0	0.0	0.0	0.0	22
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	63.6	0.0	-0.7	6.7	2.9	0.0	0.0	0.0	0.0	0.0	40

Receiver: R08

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R08	R08	561487.7	4889525.1	514.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	71.7	0.0	-1.6	6.4	4.5	0.0	0.0	0.0	0.0	0.0	41
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	70.3	0.0	0.5	10.1	2.6	0.0	0.0	0.0	0.0	0.0	24
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	71.7	0.0	-1.5	6.2	2.9	0.0	0.0	0.0	0.0	0.0	28
D07_	Screeener	561290.8	4888470.3	505.5	0	118	0.0	A	71.6	0.0	-1.6	6.4	5.2	0.0	0.0	0.0	0.0	0.0	36
D07_Truck	Truck	561330.3	4888402.2	505.5	0	71	21.4	A	72.1	0.0	-1.8	6.6	4.3	0.0	0.0	0.0	0.0	0.0	11
D07_Truck	Truck	561374.3	4888326.0	505.5	0	71	15.8	A	72.6	0.0	-2.0	6.8	4.5	0.0	0.0	0.0	0.0	0.0	5
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	71.6	0.0	-1.5	6.2	5.5	0.0	0.0	0.0	0.0	0.0	31

Receiver: R09

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	42

Receiver Name	Receiver ID	X	Y	Z
R09	R09	561065.2	4889535.5	514.6

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	71.8	0.0	-1.5	6.3	4.6	0.0	0.0	0.0	0.0	0.0	41
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	70.6	0.0	0.5	10.4	2.6	0.0	0.0	0.0	0.0	0.0	23
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	71.7	0.0	-1.4	6.2	2.9	0.0	0.0	0.0	0.0	0.0	28
D07_	Screeener	561290.8	4888470.3	505.5	0	118	0.0	A	71.7	0.0	-1.6	6.4	5.3	0.0	0.0	0.0	0.0	0.0	36
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	72.5	0.0	-1.8	6.6	4.5	0.0	0.0	0.0	0.0	0.0	12
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	71.8	0.0	-1.4	6.2	5.6	0.0	0.0	0.0	0.0	0.0	31

Receiver: R10

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	43

Receiver Name	Receiver ID	X	Y	Z
R10	R10	560881.9	4887542.3	518.0

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	71.1	0.0	-1.4	6.2	4.3	0.0	0.0	0.0	0.0	0.0	42
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	71.0	0.0	-0.4	5.2	2.7	0.0	0.0	0.0	0.0	0.0	29
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	72.3	0.0	-1.4	6.2	3.0	0.0	0.0	0.0	0.0	0.0	27
D07_Screener	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	71.1	0.0	-1.4	6.2	5.0	0.0	0.0	0.0	0.0	0.0	37
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	70.6	0.0	-1.6	6.3	3.8	0.0	0.0	0.0	0.0	0.0	15
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	71.2	0.0	-1.2	6.0	5.3	0.0	0.0	0.0	0.0	0.0	31

Receiver: R11

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	36

Receiver Name	Receiver ID	X	Y	Z
R11	R11	562038.5	4886830.7	497.7

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	76.1	0.0	-1.5	6.2	6.5	0.0	0.0	0.0	0.0	0.0	34
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	76.1	0.0	-1.5	6.3	4.0	0.0	0.0	0.0	0.0	0.0	23
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	76.7	0.0	-1.6	6.4	4.2	0.0	0.0	0.0	0.0	0.0	22
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	76.1	0.0	-1.5	6.3	7.4	0.0	0.0	0.0	0.0	0.0	30
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	75.6	0.0	-1.4	6.2	5.9	0.0	0.0	0.0	0.0	0.0	7
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	76.1	0.0	-1.3	6.1	7.7	0.0	0.0	0.0	0.0	0.0	24

Receiver: R12

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	35

Receiver Name	Receiver ID	X	Y	Z
R12	R12	561796.2	4886627.8	499.8

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	76.6	0.0	-1.5	6.2	6.8	0.0	0.0	0.0	0.0	0.0	34
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	76.6	0.0	-1.5	6.3	4.2	0.0	0.0	0.0	0.0	0.0	22
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	77.2	0.0	-1.6	6.4	4.4	0.0	0.0	0.0	0.0	0.0	21
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	76.6	0.0	-1.5	6.3	7.7	0.0	0.0	0.0	0.0	0.0	29
D07_Truck	Truck	561339.9	4888385.7	505.5	0	71	22.5	A	76.2	0.0	-1.4	6.2	6.2	0.0	0.0	0.0	0.0	0.0	7
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	76.6	0.0	-1.3	6.1	7.9	0.0	0.0	0.0	0.0	0.0	23

Receiver: R13

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	38

Receiver Name	Receiver ID	X	Y	Z
R13	R13	561163.5	4886867.4	510.3

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	75.1	0.0	-1.5	6.3	6.0	0.0	0.0	0.0	0.0	0.0	36
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	75.1	0.0	-1.3	6.1	3.7	0.0	0.0	0.0	0.0	0.0	24
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	75.9	0.0	-1.6	6.4	4.0	0.0	0.0	0.0	0.0	0.0	23
D07_Screener	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	75.1	0.0	-1.5	6.3	6.9	0.0	0.0	0.0	0.0	0.0	31
D07_Truck	Truck	561302.6	4888450.2	505.5	0	71	14.3	A	75.0	0.0	-1.6	6.3	5.6	0.0	0.0	0.0	0.0	0.0	0
D07_Truck	Truck	561331.5	4888400.2	505.5	0	71	19.5	A	74.8	0.0	-1.5	6.2	5.5	0.0	0.0	0.0	0.0	0.0	6
D07_Truck	Truck	561368.8	4888335.7	505.5	0	71	17.8	A	74.4	0.0	-0.4	5.2	5.3	0.0	0.0	0.0	0.0	0.0	5
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	75.1	0.0	-1.4	6.1	7.1	0.0	0.0	0.0	0.0	0.0	26

Receiver: R14

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	35

Receiver Name	Receiver ID	X	Y	Z
R14	R14	561181.2	4886428.4	510.5

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	77.2	0.0	-1.5	6.2	7.1	0.0	0.0	0.0	0.0	0.0	33
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	77.2	0.0	-1.4	6.2	4.4	0.0	0.0	0.0	0.0	0.0	21
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	77.8	0.0	-1.6	6.4	4.6	0.0	0.0	0.0	0.0	0.0	20
D07_Screener	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	77.2	0.0	-1.5	6.2	8.0	0.0	0.0	0.0	0.0	0.0	28
D07_Truck	Truck	561331.9	4888399.6	505.5	0	71	21.6	A	76.9	0.0	-1.4	6.2	6.6	0.0	0.0	0.0	0.0	0.0	5
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	77.2	0.0	-1.3	6.0	8.3	0.0	0.0	0.0	0.0	0.0	22

Receiver: R15

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	34

Receiver Name	Receiver ID	X	Y	Z
R15	R15	561073.6	4886386.4	509.7

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	77.4	0.0	-1.4	6.2	7.3	0.0	0.0	0.0	0.0	0.0	32
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	77.4	0.0	-1.4	6.2	4.4	0.0	0.0	0.0	0.0	0.0	21
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	78.0	0.0	-1.6	6.4	4.6	0.0	0.0	0.0	0.0	0.0	20
D07_Screener	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	77.4	0.0	-1.4	6.2	8.1	0.0	0.0	0.0	0.0	0.0	28
D07_Truck	Truck	561322.2	4888416.3	505.5	0	71	20.2	A	77.2	0.0	-1.5	6.2	6.8	0.0	0.0	0.0	0.0	0.0	3
D07_Truck	Truck	561368.5	4888336.2	505.5	0	71	17.9	A	76.9	0.0	-0.3	5.1	6.6	0.0	0.0	0.0	0.0	0.0	1
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	77.4	0.0	-1.3	6.1	8.4	0.0	0.0	0.0	0.0	0.0	22

Receiver: R16

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	34

Receiver Name	Receiver ID	X	Y	Z
R16	R16	560819.6	4886383.0	508.3

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	77.6	0.0	-1.4	6.1	7.4	0.0	0.0	0.0	0.0	0.0	32
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	77.6	0.0	-1.2	5.9	4.5	0.0	0.0	0.0	0.0	0.0	21
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	78.2	0.0	-1.5	6.3	4.7	0.0	0.0	0.0	0.0	0.0	20
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	77.6	0.0	-1.4	6.1	8.2	0.0	0.0	0.0	0.0	0.0	27
D07_Truck	Truck	561360.7	4888349.7	505.5	0	71	19.7	A	77.2	0.0	-0.9	5.7	6.8	0.0	0.0	0.0	0.0	0.0	2
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	77.6	0.0	-1.2	6.0	8.5	0.0	0.0	0.0	0.0	0.0	22

Receiver: R17

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	37

Receiver Name	Receiver ID	X	Y	Z
R17	R17	561209.0	4886722.4	510.2

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	75.8	0.0	-1.5	6.3	6.4	0.0	0.0	0.0	0.0	0.0	35
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	75.8	0.0	-1.4	6.2	4.0	0.0	0.0	0.0	0.0	0.0	23
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	76.6	0.0	-1.6	6.4	4.2	0.0	0.0	0.0	0.0	0.0	22
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	75.9	0.0	-1.5	6.3	7.2	0.0	0.0	0.0	0.0	0.0	30
D07_Truck	Truck	561331.7	4888399.8	505.5	0	71	21.6	A	75.5	0.0	-1.5	6.2	5.9	0.0	0.0	0.0	0.0	0.0	7
D07_Truck	Truck	561375.8	4888323.5	505.5	0	71	15.1	A	75.1	0.0	0.1	4.9	5.7	0.0	0.0	0.0	0.0	0.0	1
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	75.9	0.0	-1.3	6.1	7.5	0.0	0.0	0.0	0.0	0.0	24

Receiver: R18

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	36

Receiver Name	Receiver ID	X	Y	Z
R18	R18	561225.1	4886668.6	510.1

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	76.1	0.0	-1.5	6.3	6.5	0.0	0.0	0.0	0.0	0.0	34
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	76.1	0.0	-1.4	6.2	4.0	0.0	0.0	0.0	0.0	0.0	23
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	76.8	0.0	-1.6	6.4	4.2	0.0	0.0	0.0	0.0	0.0	22
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	76.1	0.0	-1.5	6.3	7.4	0.0	0.0	0.0	0.0	0.0	30
D07_Truck	Truck	561334.2	4888395.6	505.5	0	71	21.9	A	75.8	0.0	-1.4	6.2	6.0	0.0	0.0	0.0	0.0	0.0	7
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	76.1	0.0	-1.3	6.1	7.7	0.0	0.0	0.0	0.0	0.0	24

Receiver: R19

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	41

Receiver Name	Receiver ID	X	Y	Z
R19	R19	561147.1	4887299.9	507.2

Source ID	Source Name	X	Y	Z	RefL	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	72.4	0.0	0.5	4.3	4.8	0.0	0.0	0.0	0.0	0.0	40
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	72.4	0.0	0.8	4.2	3.0	0.0	0.0	0.0	0.0	0.0	27
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	73.5	0.0	0.5	4.3	3.3	0.0	0.0	0.0	0.0	0.0	26
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	72.4	0.0	0.2	4.6	5.6	0.0	0.0	0.0	0.0	0.0	35
D07_Truck	Truck	561315.2	4888428.4	505.5	0	71	18.9	A	72.1	0.0	0.4	4.5	4.4	0.0	0.0	0.0	0.0	0.0	9
D07_Truck	Truck	561359.2	4888352.2	505.5	0	71	19.9	A	71.6	0.0	0.9	5.7	4.2	0.0	0.0	0.0	0.0	0.0	9
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	72.4	0.0	0.5	4.3	5.9	0.0	0.0	0.0	0.0	0.0	29

Receiver: R20

Project: Melancthon Pit 1 Extensions NIS.v07

Project Number: 16099

Time Period	Total (dBA)
Day	39

Receiver Name	Receiver ID	X	Y	Z
R20	R20	562481.5	4887558.6	496.1

Source ID	Source Name	X	Y	Z	RefL.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Atm	Afol	Ahous	Cmet	Dc	RL	Lr
D07_Crusher	Crusher	561298.4	4888463.4	505.5	0	122	0.0	A	74.5	0.0	-1.6	6.4	5.7	0.0	0.0	0.0	0.0	0.0	37
D07_Loader	Loader	561270.3	4888465.8	505.5	0	107	0.0	A	74.6	0.0	-1.6	6.3	3.6	0.0	0.0	0.0	0.0	0.0	25
D07_Loader	Loader	561315.7	4888616.9	505.5	0	107	0.0	A	74.9	0.0	-1.5	6.3	3.7	0.0	0.0	0.0	0.0	0.0	24
D07_	Screener	561290.8	4888470.3	505.5	0	118	0.0	A	74.5	0.0	-1.7	6.4	6.5	0.0	0.0	0.0	0.0	0.0	32
D07_Truck	Truck	561326.3	4888409.2	505.5	0	71	20.9	A	74.1	0.0	-1.5	6.3	5.2	0.0	0.0	0.0	0.0	0.0	8
D07_Truck	Truck	561370.3	4888333.0	505.5	0	71	17.4	A	73.6	0.0	-0.5	5.3	5.0	0.0	0.0	0.0	0.0	0.0	5
D07_Wash	Wash Plant	561302.3	4888470.1	506.5	0	113	0.0	A	74.5	0.0	-1.5	6.3	6.8	0.0	0.0	0.0	0.0	0.0	27

Appendix C

CV

Nicholas Sylvestre-Williams M.Eng., P.Eng., INCE

Profile

Nicholas is a partner and owner of Aercoustics Engineering Ltd., an engineering consulting company specializing in acoustics, noise & vibration. He works on land use planning projects and has completed many studies on the noise and vibration impacts for proposed residential & industrial developments, which includes noise from road, rail, shunting, and aircraft traffic and stationary noise sources, including acting as a peer review for various municipalities. He has appeared before the OMB as an expert witness for land-use development issues.

He also works on sound and vibration design for commercial and industrial clients; architectural acoustics including the design of buildings and environmental acoustics including the assessment of noise and vibration from industrial facilities.

Nicholas is a registered Professional Engineer & Designated Consulting Engineer with the Professional Engineers Ontario, and has presented at many national and international conferences on acoustics and has taught acoustic theory and practice for various organizations.

Employment History

- | | |
|----------------|---|
| 2007 – Present | Partner, Aercoustics Engineering Ltd. |
| 2003 – 2007 | Project Engineer, Pinchin Environmental |

Additional Activities / Committees

- | | |
|----------------|--|
| 2012 - 2014 | Vice President – Board of Directors for Air & Waste Management Association – Ontario Section (AMWA-OS) |
| 2009 – Present | Member of Environmental Technical Committee for the Ontario Sand, Stone and Gravel Association (OSSGA) |

Professional Registration / Affiliations

Designated Consulting Engineer & Licensed Professional Engineer with the Professional Engineers of Ontario (PEO)

Licensed Professional Engineer with APEGS

Member, Institute of Noise Control Engineers of the United States (INCE)

Member, American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE)

Member, Air & Waste Management Association (A&WMA)

Education

Masters of Engineering (M.Eng.)

Mechanical Engineering, Ryerson University

Bachelor of Science in Engineering (B.Sc.E.)

Engineering Physics, Queen's University

Publications

"The Effects of Haul Route Noise," Inter-Noise Conference, New York, 2012

"The City of Toronto Construction Bylaw: A Primer," NOISE-Con Conference, Portland, 2011

"Case Study in Noise and Vibration Issues Post Construction," Spring Noise Conference, Banff, 2011

"The Vibration of a High-rise Building's Columns due to Rhythmic Human Activity," Inter-NOISE Conference, Lisbon, 2010

"Vibration Measurements, Assessments and Mitigation for Industries and Residences," AWMA/CPANS Conference on Environmental Nuisances, Calgary, 2009

"Acoustic Performance of Arbitrarily Shaped Barriers," Spring Noise Conference, Banff, 2007

"Error Bounds, Uncertainties and Confidence Limits of Outdoor Sound Propagation," CAA Conference, Halifax, 2006.

Professional Activities**Land Use Planning:**

Completed over 100 studies on the noise and vibration impacts for proposed aggregate, residential developments and industrial facilities, which includes noise from operations, road, rail and aircraft traffic and stationary noise sources in the Region of Waterloo, City of Toronto, Town of Newmarket, City of Brampton, City of Mississauga, City of Ottawa, City of Kingston and other jurisdictions throughout Ontario.

Expert witness at the Ontario Municipal Board hearing.

Master Plan / Private-Public Partnership (P3):

Lead acoustician for the master-plan development of the Toronto 2015 Pan-Am Games, responsible for developing the Project Specific Output Specifications (PSOS) for the acoustics & vibrations for the Pan-Am Aquatics Centre, Hamilton Stadium, York Stadium and Milton Velodrome.

Lead acoustician for the master-plan development of the Providence Health Care facility in Kingston.

Industrial Noise:

Prepared over 100 Acoustic Assessment Reports (AARs) and Noise Impact Studies (NIS) for industrial, manufacturing facilities, and landfill sites. Many of these included the development of Noise Action Abatement Plans (NAAPs) which outlined appropriate mitigation plans to bring facilities into compliance with provincial noise limits.

Noise impact assessments for Renewable Energy projects include wind farms and solar farms, including noise modelling and noise monitoring of various proposed and existing wind farm projects in Goodrich, Wolfe Island and Port Colborne, in accordance with applicable noise guidelines, bylaws and regulations.

Conducted Acoustic Audits for over 100 facilities throughout Ontario, in accordance with Ministry of the Environment and Climate Change (MOECC) guidelines and regulations.

Additional Projects:

Assisted the Toronto Port Authority (TPA) in the design of a run-up barrier to attenuate noise from the Billy Bishop Toronto Island airport. This involved understanding the noise generated from aircraft taxiing and engine run-up in order to design an effective barrier to reduce noise to residents along the Toronto waterfront. Detailed barrier design and computer simulation was conducted to determine optimum barrier heights and locations.