



ARCUS

**SHEPHERDS' RIG WIND FARM
NOISE SURVEY RECORD SHEETS**

OCTOBER 2018

Appendix 14.2





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Noise Survey Record Sheet

Project No:	2966	Project Name:	Shepherd's Rig
Client:	Infinergy	Installed By:	MCAB

Location No (x/y):	01	Location Name:	Smitton
Monitoring Location (GPS Grid Reference):			NX 63290, 91679
Monitoring Location Description:	Front garden to the south west of Smitton Farm.		
Distance From Façade:	>10m		
Noise Sources Identified During Survey Visit:	Noise sources identified during deployment of equipment included wind in trees, running water, birdsong, livestock, and occasional passing motor vehicle and aircraft.		
Notes:	Rain Gauge Installed.		
Photograph Files:	20131121_120316.jpg (North View); 20131121_120335.jpg (East View); 20131121_120300.jpg (South View); 20131121_120250.jpg (West View).		
Start Date & Time:	21/11/2013 at 12.00 GMT.		

Equipment			
Item	Make	Model	Serial No.
Sound Level Meter	Rion	NL-52	00510130
Calibrator	Rion	NC-74	34372738
Source of Equipment:		Arcus	
Noise Meter Clock set to GMT			

Photo(s) of Monitoring Location:



North



East



South



West



NOISE - Page 2

Noise Survey Record Sheet – Visit Record

Initial	
Name:	MCAB
Date & Time:	21/11/13 at 12.00 GMT
Noise Filename:	0101
Calibration Level (dB(A)):	94.0
Range:	20 - 100
Notes:	Rain Gauge Installed

Mid-Survey Check 1	
Name:	MCAB
Date & Time:	12/12/13 at 11.20 GMT
Noise Filename:	0102
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.9
Batteries Replaced? (Y/N/):	Y
Notes:	

Final Check	
Name:	MS
Date & Time:	08/01/2014 at 14.12 GMT
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.9
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 05/01/14 at 14:00



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Noise Survey Record Sheet

Project No:	2966	Project Name:	Shepherd's Rig
Client:	Infinergy	Installed By:	MCAB

Location No (x/y):	02	Location Name:	Muirdrockwood
Monitoring Location (GPS Grid Reference):			NX 61804 91123
Monitoring Location Description:	Back garden to the west of Muirdrockwood house.		
Distance From Façade:	>3.5m		
Noise Sources Identified During Survey Visit:	Noise sources identified during the deployment of the equipment included wind in trees, birdsong and livestock.		
Notes:	The location selected represents an amenity space and is out of the way of farm operations. The location also avoids close proximity to boiler flu approximately 12m away from monitoring equipment.		
Photograph Files:	20131121_124758.jpg (North view); 20131121_124903.jpg (South view); 20131121_124816.jpg (West view).		
Start Date & Time:	21/11/2013 at 12.50 GMT		

Equipment			
Item	Make	Model	Serial No.
Sound Level Meter	Rion	NL-52	00503852
Calibrator	Rion	NC-74	34372738
Source of Equipment:		Arcus	
Noise Meter Clock set to GMT			

Photo(s) of Monitoring Location:



North



South



West



NOISE - Page 2

Noise Survey Record Sheet – Visit Record

Initial	
Name:	MCAB
Date & Time:	21/11/13 at 12.50 GMT
Noise Filename:	0201
Calibration Level (dB(A)):	94.0
Range:	20 - 100
Notes:	Rain Gauge Installed

Mid-Survey Check 1	
Name:	MCAB
Date & Time:	12/12/13 at 11.50 GMT
Noise Filename:	0202
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.7
Batteries Replaced? (Y/N):	Y
Notes:	Noise equipment toppled during the night of 09/12/13 during strong winds. Equipment righted morning of 10/12/13.

Final Check	
Name:	MS
Date & Time:	09/01/2014 at 9.50 GMT
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	94.0
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 05/01/14 at 09:00



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Noise Survey Record Sheet

Project No:	2966	Project Name:	Shepherd's Rig
Client:	Infinergy	Installed By:	MCAB

Location No (x/y):	03	Location Name:	Furmiston
Monitoring Location (GPS Grid Reference):			NX 60301 92270
Monitoring Location Description:	Front garden (rockery) South of Furmiston.		
Distance From Façade:	>3.5m		
Noise Sources Identified During Survey Visit:	Noise sources identified during the deployment of the equipment include wind in trees, birdsong, livestock, and barking of dog.		
Notes:	Rain Gauge Installed. Monitoring equipment placed away from effect of wind through trees and working farm area to the north of the property.		
Photograph Files:	20131121_142227.jpg (North View); 20131121_142252.jpg (East View); 20131121_142305.jpg (South View).		
Start Date & Time:	21/11/2013 at 14.00 GMT		

Equipment			
Item	Make	Model	Serial No.
Sound Level Meter	Rion	NL-31	00593610
Calibrator	Rion	NC-74	34372738
Source of Equipment:		Arcus	
Noise Meter Clock set to GMT			

Photo(s) of Monitoring Location:



North



East



South



NOISE - Page 2

Noise Survey Record Sheet – Visit Record

Initial	
Name:	MCAB
Date & Time:	21/11/13 at 14:00 GMT
Noise Filename:	0301
Calibration Level (dB(A)):	94.0
Range:	20 - 100
Notes:	Rain Gauge Installed

Mid-Survey Check 1	
Name:	MCAB
Date & Time:	12/12/13 at 12:30 GMT
Noise Filename:	0302
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.7
Batteries Replaced? (Y/N):	Y
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 11/12/13 at 22:40

Final Check	
Name:	MS
Date & Time:	08/01/2014 at 14.50 GMT
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.9
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 06/01/14 at 13:20



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Noise Survey Record Sheet

Project No:	2966	Project Name:	Shepherd's Rig
Client:	Infinergy	Installed By:	MCAB

Location No (x/y):	04	Location Name:	Nether Loskie
Monitoring Location (GPS Grid Reference):		NX 60027 91707	
Monitoring Location Description:	Back garden of house to the south of Nether Loskie.		
Distance From Façade:	>3.5m		
Noise Sources Identified During Survey Visit:	Noise sources identified during the deployment of the equipment included wind in trees, distant running water, birdsong, livestock, and occasional passing motor vehicles.		
Notes:			
Photograph Files:	Photographs will be taken at site on return visit.		
Start Date & Time:	21/11/2013 at 15.20 GMT		

Equipment			
Item	Make	Model	Serial No.
Sound Level Meter	Rion	NL-52	00593608
Calibrator	Rion	NC-74	34372738
Source of Equipment:		Arcus	
Noise Meter Clock set to GMT			

Photo(s) of Monitoring Location:



North



East



South



West



NOISE - Page 2

Noise Survey Record Sheet – Visit Record

Initial	
Name:	MCAB
Date & Time:	21/11/13 at 15:20 GMT
Noise Filename:	0401
Calibration Level (dB(A)):	94.0
Range:	20 - 100
Notes:	

Mid-Survey Check 1	
Name:	MCAB
Date & Time:	12/12/13 at 14:10 GMT
Noise Filename:	0402
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.7
Batteries Replaced? (Y/N):	Y
Notes:	

Final Check	
Name:	MS
Date & Time:	08/01/2014 at 15.10
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.8
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 05/01/2014 at 13:50



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Noise Survey Record Sheet

Project No:	2966	Project Name:	Shepherd's Rig
Client:	Infinergy	Installed By:	MCAB

Location No (x/y):	05	Location Name:	Marbrack
Monitoring Location (GPS Grid Reference):			NX 59649, 93182
Monitoring Location Description:	Front garden south of Marbrack house.		
Distance From Façade:		>10m (< 20m)	
Noise Sources Identified During Survey Visit:	Noise sources identified during the deployment of the equipment included wind in trees and birdsong.		
Notes:	Location of the monitoring equipment discussed with occupier prior to deployment.		
Photograph Files:	20131121_155049.jpg (North view); 20131121_155111.jpg (East view); 20131121_155137.jpg (South view); 20131121_155125.jpg (West view).		
Start Date & Time:	21/11/2013 at 15.50 GMT		

Equipment			
Item	Make	Model	Serial No.
Sound Level Meter	Rion	NL-52	00510132
Calibrator	Rion	NC-74	34372738
Source of Equipment:		Arcus	
Noise Meter Clock set to GMT			

Photo(s) of Monitoring Location:



North



East



South



West



NOISE - Page 2

Noise Survey Record Sheet – Visit Record

Initial	
Name:	MCAB
Date & Time:	21/11/13 at 15.50 GMT
Noise Filename:	0501
Calibration Level (dB(A)):	94.0
Range:	20 - 100
Notes:	Rain Gauge Installed

Mid-Survey Check 1	
Name:	MCAB
Date & Time:	12/12/13 at 15.50 GMT
Noise Filename:	0502
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.8
Batteries Replaced? (Y/N/):	Y
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 12/12/13 at 12:50

Final Check	
Name:	MS
Date & Time:	08/01/2014 at 15.30
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	93.8
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 04/01/14 at 19:19



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Noise Survey Record Sheet

Project No:	2966	Project Name:	Shepherd's Rig
Client:	Infinergy	Installed By:	MS

Location No (x/y):	06	Location Name:	Craigengillan
Monitoring Location (GPS Grid Reference):		NX 63631 94943	
Monitoring Location Description:	Centre of the back garden to the north of house.		
Distance From Façade:	> 10m		
Noise Sources Identified During Survey Visit:	Distant running water, wind through trees.		
Notes:	Informed by resident three separate surveys had previously been conducted at this location, all three placed in chosen monitoring location. Monitoring equipment was placed away from transformer in front garden.		
Photograph Files:	IMG_3787 (view north); IMG_3787 (view east); IMG_3789 (view south); IMG_3788 (view west).		
Start Date & Time:	21/11/2013 at 15.30 GMT		

Equipment			
Item	Make	Model	Serial No.
Sound Level Meter	Rion	NL 31	01062688
Calibrator	Rion	NC 74	34372738
Source of Equipment:		Arcus	
Noise Meter Clock set to GMT			

Photo(s) of Monitoring Location:



North



East



South



West



NOISE - Page 2

Noise Survey Record Sheet – Visit Record

Initial	
Name:	MS
Date & Time:	12/12/2013 at 15.30 GMT
Noise Filename:	0601
Calibration Level (dB(A)):	94.0
Range:	20 – 100
Notes:	

Mid-Survey Check 1	
Name:	MS
Date & Time:	12/12/2013 at 14.50 GMT
Noise Filename:	0602
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	94.1
Batteries Replaced? (Y/N/):	Yes
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 12/12/13 at 11:50

Final Check	
Name:	MS
Date & Time:	08/01/2014 at 13.50
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	94.0
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 31/12/13 at 16:50



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Noise Survey Record Sheet

Project No:	2966	Project Name:	Shepherds Rig
Client:	Infinergy	Installed By:	MS

Location No (x/y):	07	Location Name:	Moorbrock
Monitoring Location (GPS Grid Reference):			NX 62914 96643
Monitoring Location Description:	Elevated area to the south side of garage.		
Distance From Façade:	>3.5m		
Noise Sources Identified During Survey Visit:	Planes overhead, wind in trees.		
Notes:	Rain Gauge Installed. Monitoring equipment placed away from main house as there is a transformer to the rear and small condenser unit to the front which could adversely affect measurements.		
Photograph Files:	IMG_3781 (view north) IMG_3780 (view east) IMG_3784 (view south) IMG_3785 (view west)		
Start Date & Time:	21/11/2013 at 13.50 GMT		

Equipment			
Item	Make	Model	Serial No.
Sound Level Meter	Rion	NL 31	00593606
Calibrator	Rion	NC 74	34372738
Source of Equipment:		Arcus	
Noise Meter Clock set to GMT			

Photo(s) of Monitoring Location:



North



East



South



West



NOISE - Page 2

Noise Survey Record Sheet – Visit Record

Initial	
Name:	MS
Date & Time:	21/11/2013 at 13.50 GMT
Noise Filename:	0701
Calibration Level (dB(A)):	94.0
Range:	20 - 100
Notes:	Rain Gauge Installed

Mid-Survey Check 1	
Name:	MS
Date & Time:	12/12/2013 at 15.40 GMT
Noise Filename:	0802
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	94.1
Batteries Replaced? (Y/N/):	Yes
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 11/12/13 at 18:30

Final Check	
Name:	MS
Date & Time:	08/01/2014 at 13.35
Calibration Level (dB(A)):	94.0
Level Before Calibration (dB(A)):	94.0
Notes:	Monitoring Equipment off on arrival. Batteries exhausted 02/01/2014 at 09:10