



CadnaA Noise Model Data

Rivenhall Airfield Integrated Waste Management Facility

B3749 20170227 N

Sources

Sound Power Spectra

Name	ID	Type	Oktave Spectrum (dB)												Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	
accin	accin	Lw	0.0	102.6	102.6	97.6	94.6	92.6	84.6	79.6	75.6	97.0	106.7		
accout	accout	Lw	0.0	101.6	101.6	96.6	93.6	91.6	83.6	78.6	74.6	96.0	105.7		
acside	acside	Lw	0.0	94.8	94.8	90.8	84.8	81.8	79.8	74.8	72.8	88.6	98.9		
actop	actop	Lw	0.0	93.4	93.4	89.4	83.4	80.4	78.4	73.4	71.4	87.2	97.5		
bms1	bms1	Lw	0.0	105.6	98.1	95.6	84.4	77.5	76.0	75.4	75.6	90.2	106.7		
bms2	bms2	Lw	0.0	109.1	101.6	99.1	87.9	81.0	79.5	78.9	79.1	93.7	110.2		
bms3	bms3	Lw	0.0	105.6	98.1	95.6	84.4	77.5	76.0	75.4	75.6	90.2	106.7		
bms4	bms4	Lw	0.0	109.1	101.6	99.1	87.9	81.0	79.5	78.9	79.1	93.7	110.2		
bmt	bmt	Lw	0.0	110.0	102.5	100.0	88.8	81.9	80.4	79.8	80.0	94.6	111.1		
bhw1	bhw1	Lw	0.0	92.6	85.6	74.6	68.6	59.6	51.6	42.6	37.6	73.4	93.5		
bhw2	bhw2	Lw	0.0	99.3	92.3	81.3	75.3	66.3	58.3	49.3	44.3	80.1	100.2		
bhr	bhr	Lw	0.0	100.7	93.7	82.7	76.7	67.7	59.7	50.7	45.7	81.5	101.6		
bhw3	bhw3	Lw	0.0	89.7	82.7	71.7	65.7	56.7	48.7	39.7	34.7	70.5	90.6		
bhrv1	bhrv1	Lw	0.0	97.5	96.5	88.5	87.5	86.5	86.5	84.5	80.5	92.9	101.0		
bhrv2	bhrv2	Lw	0.0	97.5	96.5	88.5	87.5	86.5	86.5	84.5	80.5	92.9	101.0		
bhv1	bhv1	Lw	0.0	86.5	85.5	78.5	76.5	72.5	74.5	75.5	74.5	82.1	90.1		
bhv2	bhv2	Lw	0.0	86.4	85.4	78.4	76.4	72.4	74.4	75.4	74.4	82.0	90.0		
bhv3	bhv3	Lw	0.0	86.4	85.4	78.4	76.4	72.4	74.4	75.4	74.4	82.0	90.0		
bhv4	bhv4	Lw	0.0	86.4	85.4	78.4	76.4	72.4	74.4	75.4	74.4	82.0	90.0		
bhv5	bhv5	Lw	0.0	86.5	85.5	78.5	76.5	72.5	74.5	75.5	74.5	82.1	90.1		
bunkr	bunkr	Lw	0.0	105.1	92.1	83.1	73.1	65.1	48.1	39.1	35.1	82.0	105.3		
bunkrv	bunkrv	Lw	0.0	100.6	93.6	87.6	82.6	82.6	73.6	71.6	68.6	86.9	101.7		
rsc1	rsc1	Lw	0.0	90.2	86.2	86.2	82.2	80.2	76.2	70.2	64.2	85.1	93.4		
rsc2	rsc2	Lw	0.0	85.4	81.4	81.4	77.4	75.4	71.4	65.4	59.4	80.3	88.6		
rsc3	rsc3	Lw	0.0	90.2	86.2	86.2	82.2	80.2	76.2	70.2	64.2	85.1	93.4		
rsc4	rsc4	Lw	0.0	85.4	81.4	81.4	77.4	75.4	71.4	65.4	59.4	80.3	88.6		
rct	rct	Lw	0.0	90.5	86.5	86.5	82.5	80.5	76.5	70.5	64.5	85.4	93.7		
emods1	emods1	Lw	0.0	103.6	98.5	80.3	73.0	64.7	65.0	55.3	45.3	84.2	104.8		
emods2	emods2	Lw	0.0	102.6	97.5	79.3	72.0	63.7	64.0	54.3	44.3	83.2	103.8		
emods3	emods3	Lw	0.0	103.6	98.5	80.3	73.0	64.7	65.0	55.3	45.3	84.2	104.8		
emods4	emods4	Lw	0.0	102.6	97.5	79.3	72.0	63.7	64.0	54.3	44.3	83.2	103.8		
emodt	emodt	Lw	0.0	103.3	98.2	80.0	72.7	64.4	64.7	55.0	45.0	83.9	104.5		
meap1	meap1	Lw	0.0	72.7	79.2	86.7	78.7	66.7	43.7	30.7	18.7	80.3	88.1		

meap2	meap2	Lw	0.0	71.0	76.4	82.8	73.6	61.3	37.8	24.2	11.4	76.0	84.3
meap3	meap3	Lw	0.0	72.5	77.9	84.3	75.1	62.8	39.3	25.7	12.9	77.5	85.8
meap4	meap4	Lw	0.0	70.1	74.5	79.9	69.7	57.4	33.9	20.3	7.5	72.8	81.6
meap5	meap5	Lw	0.0	72.1	76.5	81.9	71.7	59.4	35.9	22.3	9.5	74.8	83.6
meap6	meap6	Lw	0.0	77.9	84.4	91.9	83.9	71.9	48.9	35.9	23.9	85.5	93.3
ffs1	ffs1	Lw	0.0	58.3	65.9	79.7	79.6	83.5	90.4	77.6	75.6	92.6	92.1
ffs2	ffs2	Lw	0.0	55.6	63.2	77.0	76.9	80.8	87.7	74.9	72.9	89.9	89.4
ffs3	ffs3	Lw	0.0	58.3	65.9	79.7	79.6	83.5	90.4	77.6	75.6	92.6	92.1
ffs4	ffs4	Lw	0.0	55.6	63.2	77.0	76.9	80.8	87.7	74.9	72.9	89.9	89.4
fft	fft	Lw	0.0	56.1	63.7	77.5	77.4	81.3	88.2	75.4	73.4	90.4	89.9
ids1	ids1	Lw	0.0	93.9	93.9	95.9	91.9	87.9	83.9	81.9	73.9	94.0	100.6
ids2	ids2	Lw	0.0	92.7	92.7	94.7	90.7	86.7	82.7	80.7	72.7	92.8	99.4
ids3	ids3	Lw	0.0	93.9	93.9	95.9	91.9	87.9	83.9	81.9	73.9	94.0	100.6
ids4	ids4	Lw	0.0	92.7	92.7	94.7	90.7	86.7	82.7	80.7	72.7	92.8	99.4
idt	idt	Lw	0.0	92.5	92.5	94.5	90.5	86.5	82.5	80.5	72.5	92.6	99.2
idip1	idip1	Lw	0.0	62.8	69.8	74.8	76.8	76.8	60.8	40.8	18.8	78.9	81.4
idip2	idip2	Lw	0.0	66.2	72.2	77.2	79.2	79.2	63.2	43.2	21.2	81.3	83.8
idip3	idip3	Lw	0.0	80.2	82.2	78.2	71.2	62.2	37.2	8.2		73.3	85.5
idip4	idip4	Lw	0.0	62.8	69.8	74.8	76.8	76.8	60.8	40.8	18.8	78.9	81.4
idip5	idip5	Lw	0.0	64.2	70.2	75.2	77.2	77.2	61.2	41.2	19.2	79.3	81.8
idip6	idip6	Lw	0.0	80.3	82.3	78.3	71.3	62.3	37.3	8.3		73.4	85.6
idop1	idop1	Lw	0.0	80.1	85.1	88.1	79.1	68.1	43.1	14.1		81.5	90.6
idop2	idop2	Lw	0.0	72.5	74.5	76.5	65.5	53.5	33.5	13.5	6.5	69.5	79.8
idop3	idop3	Lw	0.0	69.5	71.5	73.5	62.5	50.5	30.5	10.5	3.5	66.5	76.8
idop4	idop4	Lw	0.0	64.0	66.0	68.0	57.0	45.0	25.0	5.0		61.0	71.3
idop5	idop5	Lw	0.0	64.0	66.0	68.0	57.0	45.0	25.0	5.0		61.0	71.3
idop6	idop6	Lw	0.0	69.5	71.5	73.5	62.5	50.5	30.5	10.5	3.5	66.5	76.8
idop7	idop7	Lw	0.0	69.0	71.0	73.0	62.0	50.0	30.0	10.0	3.0	66.0	76.3
idop8	idop8	Lw	0.0	80.0	85.0	88.0	79.0	68.0	43.0	14.0		81.4	90.5
stbw1	stbw1	Lw	0.0	101.9	94.9	81.9	74.9	68.9	58.9	54.9	43.9	82.0	102.7
stbw2	stbw2	Lw	0.0	98.3	91.3	78.3	71.3	65.3	55.3	51.3	40.3	78.4	99.1
stbr1	stbr1	Lw	0.0	104.9	97.9	84.9	77.9	71.9	61.9	57.9	46.9	85.0	105.7
stbw3	stbw3	Lw	0.0	95.9	88.9	75.9	68.9	62.9	52.9	48.9	37.9	76.0	96.7
stbw4	stbw4	Lw	0.0	97.2	90.2	77.2	70.2	64.2	54.2	50.2	39.2	77.3	98.0
stbw5	stbw5	Lw	0.0	98.1	91.1	78.1	71.1	65.1	55.1	51.1	40.1	78.2	98.9
stbr2	stbr2	Lw	0.0	100.0	93.0	80.0	73.0	67.0	57.0	53.0	42.0	80.1	100.8
stbw6	stbw6	Lw	0.0	94.4	87.4	74.4	67.4	61.4	51.4	47.4	36.4	74.5	95.2
stbw7	stbw7	Lw	0.0	100.4	93.4	80.4	73.4	67.4	57.4	53.4	42.4	80.5	101.2

stbg	stbg	Lw		0.0	94.9	90.9	82.9	74.9	72.9	67.9	67.9	64.9	80.7	96.6	
stbrv	stbrv	Lw		0.0	103.0	103.0	95.0	88.0	84.0	78.0	87.0	79.0	93.6	106.5	
stbv1	stbv1	Lw		0.0	96.8	96.8	88.8	81.8	77.8	71.8	80.8	72.8	87.4	100.3	
stbv2	stbv2	Lw		0.0	101.1	101.1	93.1	86.1	82.1	76.1	85.1	77.1	91.7	104.6	
stbv3	stbv3	Lw		0.0	98.3	97.3	88.3	85.3	84.3	84.3	90.3	83.3	94.1	101.8	
ventf	ventf	Lw		0.0	98.8	97.7	96.2	94.8	86.6	83.4	81.6	71.7	94.9	103.3	
stack1	stack1	Lw		0.0	110.6	100.5	85.4	56.2	27.9	11.4	8.0	16.0	87.8	111.0	
stack2	stack2	Lw		0.0	110.6	100.5	85.4	56.2	27.9	11.4	8.0	16.0	87.8	111.0	
stackas	stackas	Lw		0.0	71.6	69.6	68.6	67.6	66.6	64.6	60.6	54.6	71.5	76.6	
stackshell	stackshell	Lw		0.0	80.5	75.4	71.3	55.1	37.8	18.3			65.0	82.1	
accsdo1	accsdo1	Lw		0.0	92.5	93.0	86.8	85.6	80.4	78.5	69.4	66.0	87.1	96.8	
accsdo2	accsdo2	Lw		0.0	87.9	88.4	82.2	81.0	75.8	73.9	64.8	61.4	82.5	92.2	
accsdo3	accsdo3	Lw		0.0	87.9	88.4	82.2	81.0	75.8	73.9	64.8	61.4	82.5	92.2	
accsdo4	accsdo4	Lw		0.0	92.1	92.6	86.4	85.2	80.0	78.1	69.0	65.6	86.7	96.4	
accsdo5	accsdo5	Lw		0.0	92.1	92.6	86.4	85.2	80.0	78.1	69.0	65.6	86.7	96.4	
tbw1	tbw1	Lw		0.0	97.0	92.0	81.0	76.0	59.0	45.0	31.0	19.0	79.5	98.3	
tbw2	tbw2	Lw		0.0	92.7	87.7	76.7	71.7	54.7	40.7	26.7	14.7	75.2	94.0	
tbw3	tbw3	Lw		0.0	97.0	92.0	81.0	76.0	59.0	45.0	31.0	19.0	79.5	98.3	
tbw4	tbw4	Lw		0.0	92.7	87.7	76.7	71.7	54.7	40.7	26.7	14.7	75.2	94.0	
tbr	tbr	Lw		0.0	96.7	91.7	80.7	75.7	58.7	44.7	30.7	18.7	79.2	98.0	
cokes1	cokes1	Lw		0.0	92.3	88.3	86.3	85.3	87.3	86.3	84.3	79.3	92.4	96.5	
cokes2	cokes2	Lw		0.0	91.2	87.2	85.2	84.2	86.2	85.2	83.2	78.2	91.3	95.4	
cokes3	cokes3	Lw		0.0	92.3	88.3	86.3	85.3	87.3	86.3	84.3	79.3	92.4	96.5	
cokes4	cokes4	Lw		0.0	91.2	87.2	85.2	84.2	86.2	85.2	83.2	78.2	91.3	95.4	
coket	coket	Lw		0.0	88.9	84.9	82.9	81.9	83.9	82.9	80.9	75.9	89.0	93.1	
MRF Roof	mrfr	Lw	A	0.0	0.0	0.0	0.0	109.6	0.0	0.0	0.0	0.0	109.6	112.8	
MBT Roof	mbtr	Lw	A	0.0	0.0	0.0	0.0	110.9	0.0	0.0	0.0	0.0	110.9	114.1	
AD Roof	adr	Lw	A	0.0	0.0	0.0	0.0	115.7	0.0	0.0	0.0	0.0	115.7	118.9	
WWTP Roof	wwtpr	Lw	A	0.0	0.0	0.0	0.0	115.0	0.0	0.0	0.0	0.0	115.0	118.2	
PPP Roof	pppr	Lw	A	0.0	0.0	0.0	0.0	117.5	0.0	0.0	0.0	0.0	117.5	120.7	
MDP Storage Roof	mdpsr	Lw	A	0.0	0.0	0.0	0.0	108.5	0.0	0.0	0.0	0.0	108.5	111.7	
RCP Storage Roof	rcpsr	Lw	A	0.0	0.0	0.0	0.0	105.9	0.0	0.0	0.0	0.0	105.9	109.1	
Veh Circ Roof	vcr	Lw	A	0.0	0.0	0.0	0.0	115.0	0.0	0.0	0.0	0.0	115.0	118.2	
Ash Hall Roof	ahr	Lw	A	0.0	0.0	0.0	0.0	104.5	0.0	0.0	0.0	0.0	104.5	107.7	
MRF Wall	mrfrw1	Lw	A	0.0	0.0	0.0	0.0	107.4	0.0	0.0	0.0	0.0	107.4	110.6	
MRF Wall	mrfrw2	Lw	A	0.0	0.0	0.0	0.0	104.2	0.0	0.0	0.0	0.0	104.2	107.4	
MBT Wall	mbtw	Lw	A	0.0	0.0	0.0	0.0	105.4	0.0	0.0	0.0	0.0	105.4	108.6	
AD Wall	adw	Lw	A	0.0	0.0	0.0	0.0	110.3	0.0	0.0	0.0	0.0	110.3	113.5	

WWTP Wall	wwtpw1	Lw	A	0.0	0.0	0.0	0.0	108.7	0.0	0.0	0.0	0.0	108.7	111.9
WWTP Wall	wwtpw2	Lw	A	0.0	0.0	0.0	0.0	109.6	0.0	0.0	0.0	0.0	109.6	112.8
WWTP Wall	wwtpw3	Lw	A	0.0	0.0	0.0	0.0	108.3	0.0	0.0	0.0	0.0	108.3	111.5
MDP Storage Wall	mdpsw	Lw	A	0.0	0.0	0.0	0.0	104.5	0.0	0.0	0.0	0.0	104.5	107.7
PPP Wall	pppw1	Lw	A	0.0	0.0	0.0	0.0	108.0	0.0	0.0	0.0	0.0	108.0	111.2
PPP Wall	pppw2	Lw	A	0.0	0.0	0.0	0.0	114.7	0.0	0.0	0.0	0.0	114.7	117.9
PPP Wall	pppw3	Lw	A	0.0	0.0	0.0	0.0	104.4	0.0	0.0	0.0	0.0	104.4	107.6
Ash Hall Wall	ahw	Lw	A	0.0	0.0	0.0	0.0	98.6	0.0	0.0	0.0	0.0	98.6	101.8
Veh Circ Wall	vcw1	Lw	A	0.0	0.0	0.0	0.0	101.8	0.0	0.0	0.0	0.0	101.8	105.0
Veh Circ Wall	vcw2	Lw	A	0.0	0.0	0.0	0.0	101.8	0.0	0.0	0.0	0.0	101.8	105.0
Veh Circ Wall	vcw3	Lw	A	0.0	0.0	0.0	0.0	103.9	0.0	0.0	0.0	0.0	103.9	107.1
Veh Circ Wall	vcw4	Lw	A	0.0	0.0	0.0	0.0	102.3	0.0	0.0	0.0	0.0	102.3	105.5
Veh Circ Wall	vcw5	Lw	A	0.0	0.0	0.0	0.0	99.6	0.0	0.0	0.0	0.0	99.6	102.8
Veh Circ Door	vcd	Lw	A	0.0	0.0	0.0	0.0	92.9	0.0	0.0	0.0	0.0	92.9	96.1
MRF Door	mrfd	Lw	A	0.0	0.0	0.0	0.0	92.9	0.0	0.0	0.0	0.0	92.9	96.1
PPP Doors	pppd	Lw	A	0.0	0.0	0.0	0.0	100.8	0.0	0.0	0.0	0.0	100.8	104.0
MRF FV	mrffv	Lw	A	0.0	0.0	0.0	0.0	98.1	0.0	0.0	0.0	0.0	98.1	101.3
MBT FV	mbtfv	Lw	A	0.0	0.0	0.0	0.0	94.4	0.0	0.0	0.0	0.0	94.4	97.6
AD FV	adfv	Lw	A	0.0	0.0	0.0	0.0	99.3	0.0	0.0	0.0	0.0	99.3	102.5
Veh Cir FV	vcfv1	Lw	A	0.0	0.0	0.0	0.0	93.4	0.0	0.0	0.0	0.0	93.4	96.6
WWTP FV	wwtpfv	Lw	A	0.0	0.0	0.0	0.0	102.7	0.0	0.0	0.0	0.0	102.7	105.9
Veh Cir FV	vcfv2	Lw	A	0.0	0.0	0.0	0.0	93.0	0.0	0.0	0.0	0.0	93.0	96.2
MDIP FV	mdipfv	Lw	A	0.0	0.0	0.0	0.0	93.5	0.0	0.0	0.0	0.0	93.5	96.7
PPP FV	pppfv	Lw	A	0.0	0.0	0.0	0.0	104.9	0.0	0.0	0.0	0.0	104.9	108.1
Veh Cir FV	vcfv3	Lw	A	0.0	0.0	0.0	0.0	93.0	0.0	0.0	0.0	0.0	93.0	96.2

Directivity

Name	Angle (°)	Directivity (dB)								
		31.5	63	125	250	500	1000	2000	4000	8000
ACC Inlet	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0
	105	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
	120	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0
	135	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0
150	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	
165	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	
180	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	
ACC Outlet	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
	105	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
	120	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0
	135	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0	-11.0
150	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	-14.0	
165	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	-17.0	
180	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	

Point Sources

Name	ID	Result. PWL			Lw / Li			Correction			K0	Freq.	Direct.	Height		Coordinates		
		Day	Evening	Night	Type	Value	norm.	Day	Evening	Night				(m)		X	Y	Z
		(dBA)	(dBA)	(dBA)		dB(A)	dB(A)	dB(A)	dB(A)	(dB)	(Hz)		(m)		(m)	(m)	(m)	
Vent Fan	ventf	94.9	94.9	94.9	Lw	ventf		0.0	0.0	0.0	0.0		(none)	22.20	r	582360.66	220409.12	52.20
Stack Outlet 2	stack2	87.8	87.8	87.8	Lw	stack2		0.0	0.0	0.0	0.0		Chimney (VDI 3733)	105.00	a	582444.35	220419.27	105.00
Stack Outlet Air	stackas	71.5	71.5	71.5	Lw	stackas		0.0	0.0	0.0	0.0		Chimney (VDI 3733)	105.00	a	582443.73	220421.93	105.00
Stack Outlet 1	stack1	87.8	87.8	87.8	Lw	stack1		0.0	0.0	0.0	0.0		Chimney (VDI 3733)	105.00	a	582446.34	220421.56	105.00

Line Sources

Name	ID	Result. PWL			Result. PWL'			Lw / Li			K0	Freq.	Direct.
		Day	Evening	Night	Day	Evening	Night	Type	Value	norm.			
		(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)			
Exhaust Pipe 1	meap1	80.3	80.3	80.3	66.1	66.1	66.1	Lw	meap1		0.0		(none)
Exhaust Pipe 2	meap2	76.0	76.0	76.0	63.1	63.1	63.1	Lw	meap2		0.0		(none)
Exhaust Pipe 3	meap3	77.5	77.5	77.5	63.2	63.2	63.2	Lw	meap3		0.0		(none)
Exhaust Pipe 4	meap4	72.8	72.8	72.8	60.9	60.9	60.9	Lw	meap4		0.0		(none)
Exhaust Pipe 5	meap5	74.8	74.8	74.8	60.9	60.9	60.9	Lw	meap5		0.0		(none)
Exhaust Pipe 6	meap6	85.5	85.5	85.5	66.0	66.0	66.0	Lw	meap6		0.0		(none)
Inlet Pipe 1	idip1	78.9	78.9	78.9	72.0	72.0	72.0	Lw	idip1		0.0		(none)
Inlet Pipe 2	idip2	81.3	81.3	81.3	75.1	75.1	75.1	Lw	idip2		0.0		(none)
Inlet Pipe 3	idip3	73.3	73.3	73.3	63.1	63.1	63.1	Lw	idip3		0.0		(none)
Inlet Pipe 4	idip4	78.9	78.9	78.9	72.1	72.1	72.1	Lw	idip4		0.0		(none)
Inlet Pipe 5	idip5	79.3	79.3	79.3	75.2	75.2	75.2	Lw	idip5		0.0		(none)
Inlet Pipe 6	idip6	73.4	73.4	73.4	63.2	63.2	63.2	Lw	idip6		0.0		(none)
Out Pipe 1	idop1	81.5	81.5	81.5	71.6	71.6	71.6	Lw	idop1		0.0		(none)
Out Pipe 2	idop2	69.5	69.5	69.5	57.2	57.2	57.2	Lw	idop2		0.0		(none)
Out Pipe 3	idop3	66.5	66.5	66.5	57.2	57.2	57.2	Lw	idop3		0.0		(none)
Out Pipe 4	idop4	61.0	61.0	61.0	57.2	57.2	57.2	Lw	idop4		0.0		(none)
Out Pipe 5	idop5	61.0	61.0	61.0	57.2	57.2	57.2	Lw	idop5		0.0		(none)
Out Pipe 6	idop6	66.5	66.5	66.5	57.2	57.2	57.2	Lw	idop6		0.0		(none)
Out Pipe 7	idop7	66.0	66.0	66.0	57.2	57.2	57.2	Lw	idop7		0.0		(none)
Out Pipe 8	idop8	81.4	81.4	81.4	71.6	71.6	71.6	Lw	idop8		0.0		(none)
Stack Shell	stackshell	65.0	65.0	65.0	48.1	48.1	48.1	Lw	stackshell		0.0		(none)
ACC Steam Duct	accsdo1	87.1	87.1	87.1	76.3	76.3	76.3	Lw	accsdo1		0.0		(none)
ACC Steam Duct	accsdo2	82.5	82.5	82.5	72.5	72.5	72.5	Lw	accsdo2		0.0		(none)
ACC Steam Duct	accsdo3	82.5	82.5	82.5	72.5	72.5	72.5	Lw	accsdo3		0.0		(none)
ACC Steam Duct	accsdo4	86.7	86.7	86.7	70.3	70.3	70.3	Lw	accsdo4		0.0		(none)
ACC Steam Duct	accsdo5	86.7	86.7	86.7	70.3	70.3	70.3	Lw	accsdo5		0.0		(none)

Line Source Geometry

Name	Height				Coordinates			
	Begin (m)		End (m)		x (m)	y (m)	z (m)	Ground (m)
Exhaust Pipe 1	19.50	r			582366.49	220537.00	54.50	35.00
					582386.58	220519.68	54.50	35.00
Exhaust Pipe 2	24.50	r			582453.97	220462.96	54.50	30.00
					582441.90	220447.91	54.50	30.00
Exhaust Pipe 3	24.50	r	5.50	r	582441.79	220448.10	54.50	30.00
					582429.80	220433.36	35.50	30.00
Exhaust Pipe 4	5.50	r	5.50	r	582429.70	220433.45	35.50	30.00
					582441.55	220423.53	35.50	30.00
Exhaust Pipe 5	5.50	r	30.00	r	582441.45	220423.62	35.50	30.00
					582442.69	220422.68	60.00	30.00
Exhaust Pipe 6	19.50	r	24.50	r	582385.52	220518.83	54.50	35.00
					582453.78	220462.65	54.50	30.00
Inlet Pipe 1	13.50	r			582435.99	220410.28	43.50	30.00
					582439.73	220407.27	43.50	30.00
Inlet Pipe 2	13.50	r			582439.62	220407.36	43.50	30.00
					582442.27	220410.48	43.50	30.00
Inlet Pipe 3	13.50	r	3.50	r	582442.27	220410.48	43.50	30.00
					582440.58	220408.30	33.50	30.00
Inlet Pipe 4	13.50	r			582454.25	220431.62	43.50	30.00
					582457.89	220428.59	43.50	30.00
Inlet Pipe 5	13.50	r			582457.88	220428.79	43.50	30.00
					582459.48	220430.77	43.50	30.00
Inlet Pipe 6	13.50	r	3.50	r	582459.48	220430.87	43.50	30.00
					582457.31	220428.07	33.50	30.00
Out Pipe 1	13.00	r	3.50	r	582438.14	220402.70	43.00	30.00
					582439.65	220404.57	33.50	30.00
Out Pipe 2	13.50	r	13.50	r	582438.14	220402.70	43.50	30.00
					582448.51	220415.77	43.50	30.00
Out Pipe 3	13.50	r	5.00	r	582448.41	220415.76	43.50	30.00
					582448.51	220415.77	35.00	30.00
Out Pipe 4	5.00	r	5.00	r	582446.64	220417.28	35.00	30.00
					582448.51	220415.77	35.00	30.00
Out Pipe 5	5.00	r	5.00	r	582448.81	220419.98	35.00	30.00
					582450.68	220418.47	35.00	30.00

Out Pipe 6	13.50	r	5.00	r	582450.68	220418.47	43.50	30.00
					582450.68	220418.47	35.00	30.00
Out Pipe 7	13.50	r	13.50	r	582450.68	220418.47	43.50	30.00
					582455.39	220424.38	43.50	30.00
Out Pipe 8	13.00	r	3.50	r	582455.39	220424.38	43.00	30.00
					582456.05	220425.21	33.50	30.00
Stack Shell	5.00	r	104.00	a	582445.39	220420.51	35.00	30.00
					582445.39	220420.51	84.00	30.00
ACC Steam Duct	0.00	r	12.00	r	582379.07	220385.03	35.00	35.00
					582379.07	220385.03	47.00	35.00
ACC Steam Duct	12.00	r	19.50	r	582379.07	220385.03	47.00	35.00
					582382.13	220379.38	54.50	35.00
ACC Steam Duct	12.00	r	19.50	r	582379.07	220385.03	47.00	35.00
					582372.96	220387.53	54.50	35.00
ACC Steam Duct	19.50	r	19.50	r	582345.41	220353.58	54.50	35.00
					582372.96	220387.53	54.50	35.00
ACC Steam Duct	19.50	r	19.50	r	582354.47	220345.62	54.50	35.00
					582382.03	220379.47	54.50	35.00

Area Sources

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			K0	Freq.	Direct.
			Day (dBA)	Evening (dBA)	Night (dBA)	Day (dBA)	Evening (dBA)	Night (dBA)	Type	Value	norm. (dB(A))			
ACC Inlet	+	accin	97.0	97.0	97.0	66.2	66.2	66.2	Lw	accin		1.5		ACC Inlet
ACC Outlet	+	accout	96.0	96.0	96.0	65.2	65.2	65.2	Lw	accout		0.0		ACC Outlet
Air Comp 1 Top	+	actop	87.2	87.2	87.2	80.4	80.4	80.4	Lw	actop		0.0		(none)
Air Comp 2 Top	+	actop	87.2	87.2	87.2	80.4	80.4	80.4	Lw	actop		0.0		(none)
Bicarb Top	+	bmt	94.6	94.6	94.6	77.9	77.9	77.9	Lw	bmt		0.0		(none)
Boiler Hall Roof	+	bhr	81.5	81.5	81.5	47.4	47.4	47.4	Lw	bhr		0.0		(none)
Recooler 1 Top	+	rct	85.4	85.4	85.4	73.1	73.1	73.1	Lw	rct		0.0		(none)
Recooler 1 Top	+	rct	85.4	85.4	85.4	73.1	73.1	73.1	Lw	rct		0.0		(none)
Recooler 3 Top	+	rct	85.4	85.4	85.4	73.0	73.0	73.0	Lw	rct		0.0		(none)
Recooler 4 Top	+	rct	85.4	85.4	85.4	73.1	73.1	73.1	Lw	rct		0.0		(none)
E Mod Top	+	emodt	83.9	83.9	83.9	62.7	62.7	62.7	Lw	emodt		0.0		(none)
FF1 Top	+	fft	90.4	90.4	90.4	68.4	68.4	68.4	Lw	fft		0.0		(none)
FF2 Top	+	fft	90.4	90.4	90.4	68.4	68.4	68.4	Lw	fft		0.0		(none)
ID Fan 1 Top	+	idt	92.6	92.6	92.6	81.3	81.3	81.3	Lw	idt		0.0		(none)
ID Fan 2 Top	+	idt	92.6	92.6	92.6	81.4	81.4	81.4	Lw	idt		0.0		(none)
Transformer Top	+	tbr	79.2	79.2	79.2	57.1	57.1	57.1	Lw	tbr		0.0		(none)
Coke Top	+	coket	89.0	89.0	89.0	83.2	83.2	83.2	Lw	coket		0.0		(none)
Steam Turbine Roof 1	+	stbr1	85.0	85.0	85.0	56.1	56.1	56.1	Lw	stbr1		0.0		(none)
Steam Turbine Roof 2	+	stbr2	80.1	80.1	80.1	56.0	56.0	56.0	Lw	stbr2		0.0		(none)
Steam Turbine Roof Vent	+	stbrv	93.6	93.6	93.6	72.6	72.6	72.6	Lw	stbrv		0.0		(none)
Bunker Roof	+	bunkr	82.0	82.0	82.0	49.7	49.7	49.7	Lw	bunkr		0.0		(none)
Bunker Roof Vent	+	bunkrv	86.9	86.9	86.9	68.8	68.8	68.8	Lw	bunkrv		0.0		(none)
Boiler Roof Vent 1	+	bhrv1	92.9	92.9	92.9	72.0	72.0	72.0	Lw	bhrv1		0.0		(none)
Boiler Roof Vent 2	+	bhrv2	92.9	92.9	92.9	72.0	72.0	72.0	Lw	bhrv2		0.0		(none)
MRF Roof	+		86.6	86.6	86.6	51.0	51.0	51.0	Lw	mrfr		0.0	500	(none)
MBT Roof	+		87.9	87.9	87.9	51.0	51.0	51.0	Lw	mbtr		0.0	500	(none)
AD Roof	+		92.7	92.7	92.7	56.0	56.0	56.0	Lw	adr		0.0	500	(none)
WWTP Roof	+		92.0	92.0	92.0	56.0	56.0	56.0	Lw	wwtpr		0.0	500	(none)
PPP Roof	+		94.5	94.5	94.5	56.0	56.0	56.0	Lw	pppr		0.0	500	(none)
MDP Storage Roof	+		85.5	85.5	85.5	51.0	51.0	51.0	Lw	mdpsr		0.0	500	(none)
RCP Storage Roof	+		82.9	82.9	82.9	51.0	51.0	51.0	Lw	rcpsr		0.0	500	(none)
Vehicle Circulation / RDF Reception Roof	+		92.0	92.0	92.0	51.0	51.0	51.0	Lw	vcr		0.0	500	(none)
Ash Hall Roof	+		81.5	81.5	81.5	51.0	51.0	51.0	Lw	ahr		0.0	500	(none)

Area Source Geometry

Name	Height		Coordinates			
	Begin (m)	End (m)	x (m)	y (m)	z (m)	Ground (m)
ACC Inlet	6.50	r	582336.59	220353.01	41.50	35.00
			582355.48	220337.28	41.50	35.00
			582386.68	220374.77	41.50	35.00
			582367.81	220390.49	41.50	35.00
ACC Outlet	19.00	r	582336.59	220353.01	54.00	35.00
			582355.48	220337.28	54.00	35.00
			582386.68	220374.77	54.00	35.00
			582367.81	220390.49	54.00	35.00
Air Comp 1 Top	2.50	r	582447.10	220426.59	32.50	30.00
			582448.76	220425.17	32.50	30.00
			582450.18	220426.83	32.50	30.00
			582448.52	220428.25	32.50	30.00
Air Comp 2 Top	2.50	r	582438.29	220416.38	32.50	30.00
			582439.95	220414.97	32.50	30.00
			582441.38	220416.63	32.50	30.00
			582439.71	220418.05	32.50	30.00
Bicarb Top	3.50	r	582453.16	220416.79	33.50	30.00
			582456.12	220413.24	33.50	30.00
			582463.89	220419.69	33.50	30.00
			582460.94	220423.34	33.50	30.00
Boiler Hall Roof	30.00	r	582375.86	220436.00	60.00	30.00
			582407.75	220409.95	60.00	30.00
			582448.71	220459.83	60.00	30.00
			582419.57	220483.76	60.00	30.00
Recooler 1 Top	23.20	r	582385.88	220416.10	53.20	30.00
			582387.66	220414.49	53.20	30.00
			582392.50	220419.81	53.20	30.00
			582390.73	220421.42	53.20	30.00
Recooler 1 Top	23.20	r	582383.70	220418.10	53.20	30.00
			582385.47	220416.49	53.20	30.00
			582390.31	220421.81	53.20	30.00
			582388.54	220423.42	53.20	30.00
Recooler 3 Top	23.20	r	582381.10	220420.48	53.20	30.00
			582382.86	220418.86	53.20	30.00

				582387.79	220424.16	53.20	30.00
				582385.93	220425.79	53.20	30.00
Recooler 4 Top	23.20	r		582378.91	220422.47	53.20	30.00
				582380.66	220420.87	53.20	30.00
				582385.50	220426.17	53.20	30.00
				582383.70	220427.78	53.20	30.00
E Mod Top	10.50	r		582400.72	220385.45	40.50	30.00
				582408.82	220395.52	40.50	30.00
				582401.04	220401.83	40.50	30.00
				582392.95	220391.77	40.50	30.00
FF1 Top	15.00	r		582419.76	220417.81	45.00	30.00
				582433.06	220406.76	45.00	30.00
				582438.91	220413.82	45.00	30.00
				582425.61	220424.86	45.00	30.00
FF2 Top	15.00	r		582437.85	220438.83	45.00	30.00
				582451.13	220427.80	45.00	30.00
				582456.97	220434.84	45.00	30.00
				582443.69	220445.86	45.00	30.00
ID Fan 1 Top	4.00	r		582438.09	220406.09	34.00	30.00
				582441.30	220403.45	34.00	30.00
				582443.38	220405.84	34.00	30.00
				582440.16	220408.57	34.00	30.00
ID Fan 2 Top	4.00	r		582454.61	220426.25	34.00	30.00
				582457.73	220423.51	34.00	30.00
				582459.79	220425.98	34.00	30.00
				582456.59	220428.62	34.00	30.00
Transformer Top	8.00	r		582381.54	220360.68	43.00	35.00
				582386.49	220354.84	43.00	35.00
				582402.39	220368.16	43.00	35.00
				582397.46	220374.08	43.00	35.00
Coke Top	3.00	r		582452.57	220412.45	33.00	30.00
				582451.15	220410.80	33.00	30.00
				582452.49	220409.67	33.00	30.00
				582453.89	220411.33	33.00	30.00
Steam Turbine Roof 1				582357.61	220408.08	51.20	35.00
				582375.98	220393.07	51.20	35.00
				582396.77	220418.54	51.20	30.00
				582378.35	220433.56	51.20	30.00

Steam Turbine Roof 2				582375.99	220393.07	42.50	35.00
				582386.03	220384.84	42.50	35.00
				582398.50	220400.07	42.50	30.00
				582388.46	220408.29	42.50	30.00
Steam Turbine Roof Vent	21.20	r		582376.97	220401.90	51.20	30.00
				582387.08	220414.06	51.20	30.00
				582381.16	220419.40	51.20	30.00
				582371.10	220407.18	51.20	30.00
Bunker Roof	30.00	r		582355.46	220460.74	60.00	30.00
				582379.81	220441.08	60.00	30.00
				582414.63	220479.54	60.00	30.00
				582388.57	220500.79	60.00	30.00
Bunker Roof Vent	30.00	r		582381.60	220462.43	60.00	30.00
				582391.71	220474.49	60.00	30.00
				582388.70	220477.28	60.00	30.00
				582378.60	220465.17	60.00	30.00
Boiler Roof Vent 1	30.00	r		582400.10	220428.14	60.00	30.00
				582410.39	220439.95	60.00	30.00
				582404.41	220445.15	60.00	30.00
				582394.13	220433.33	60.00	30.00
Boiler Roof Vent 2	30.00	r		582418.68	220448.73	60.00	30.00
				582428.30	220460.57	60.00	30.00
				582422.05	220465.64	60.00	30.00
				582412.43	220453.80	60.00	30.00
MRF Roof	60.00	a		582127.20	220485.02	60.00	35.00
				582183.74	220552.19	60.00	35.00
				582215.86	220525.52	60.00	35.00
				582159.59	220458.37	60.00	35.00
MBT Roof	60.00	a		582159.60	220458.36	60.00	35.00
				582215.89	220525.49	60.00	35.00
				582259.04	220489.80	60.00	35.00
				582202.65	220423.38	60.00	35.00
AD Roof	60.00	a		582202.76	220423.31	60.00	35.00
				582259.28	220489.67	60.00	35.00
				582299.64	220456.14	60.00	35.00
				582244.33	220388.93	60.00	35.00
WWTP Roof	60.00	a		582302.24	220341.06	60.00	30.00
				582357.38	220408.34	60.00	30.00

				582314.87	220443.74	60.00	35.00
				582281.66	220403.22	60.00	35.00
				582300.33	220387.99	60.00	30.00
				582278.04	220360.90	60.00	30.00
PPP Roof	60.00	a		582258.00	220641.99	60.00	35.00
				582373.70	220546.60	60.00	35.00
				582324.52	220486.84	60.00	35.00
				582314.04	220495.41	60.00	35.00
				582327.79	220512.10	60.00	35.00
				582271.00	220558.67	60.00	35.00
				582286.65	220577.38	60.00	35.00
				582237.80	220617.73	60.00	35.00
MDP Storage Roof	60.00	a		582237.76	220617.60	60.00	35.00
				582286.29	220577.40	60.00	35.00
				582257.52	220542.64	60.00	35.00
				582208.85	220582.95	60.00	35.00
RCP Storage Roof	60.00	a		582257.66	220542.46	60.00	35.00
				582270.91	220558.56	60.00	35.00
				582327.34	220512.10	60.00	35.00
				582313.80	220495.65	60.00	35.00
Vehicle Circulation / RDF Reception Roof	60.00	a		582183.82	220552.28	60.00	35.00
				582299.87	220456.15	60.00	35.00
				582244.46	220388.84	60.00	35.00
				582277.97	220361.10	60.00	30.00
				582300.18	220388.00	60.00	30.00
				582281.31	220403.17	60.00	35.00
				582314.82	220444.01	60.00	35.00
				582330.72	220430.84	60.00	30.00
				582395.60	220509.79	60.00	30.00
				582365.01	220535.30	60.00	35.00
				582324.50	220486.49	60.00	35.00
				582208.79	220582.71	60.00	35.00
Ash Hall Roof	60.00	a		582378.25	220433.75	60.00	30.00
				582357.49	220408.41	60.00	30.00
				582330.95	220430.63	60.00	30.00
				582351.82	220455.75	60.00	30.00

Vertical Area Sources

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			K0	Freq.	Direct.
			Day (dBA)	Evening (dBA)	Night (dBA)	Day (dBA)	Evening (dBA)	Night (dBA)	Type	Value	norm. dB(A)			
Air Comp 1 Side 1	+	acside	88.6	88.6	88.6	81.2	81.2	81.2	Lw	acside		3.0		(none)
Air Comp 1 Side 2	+	acside	88.6	88.6	88.6	81.2	81.2	81.2	Lw	acside		3.0		(none)
Air Comp 1 Side 3	+	acside	88.6	88.6	88.6	81.2	81.2	81.2	Lw	acside		3.0		(none)
Air Comp 1 Side 4	+	acside	88.6	88.6	88.6	81.2	81.2	81.2	Lw	acside		3.0		(none)
Air Comp 2 Side 1	+	acside	88.6	88.6	88.6	81.2	81.2	81.2	Lw	acside		3.0		(none)
Air Comp 2 Side 2	+	acside	88.6	88.6	88.6	81.2	81.2	81.2	Lw	acside		3.0		(none)
Air Comp 2 Side 3	+	acside	88.6	88.6	88.6	81.2	81.2	81.2	Lw	acside		3.0		(none)
Air Comp 2 Side 4	+	acside	88.6	88.6	88.6	81.2	81.2	81.2	Lw	acside		3.0		(none)
Bicarb Sid 1	+	bms1	90.2	90.2	90.2	78.2	78.2	78.2	Lw	bms1		3.0		(none)
Bicarb Side 2	+	bms2	93.7	93.7	93.7	78.3	78.3	78.3	Lw	bms2		3.0		(none)
Bicarb Side 3	+	bms3	90.2	90.2	90.2	78.1	78.1	78.1	Lw	bms3		3.0		(none)
Bicarb Side 4	+	bms4	93.7	93.7	93.7	78.2	78.2	78.2	Lw	bms4		3.0		(none)
Boiler Hall Wall 1	+	bhw1	73.4	73.4	73.4	47.2	47.2	47.2	Lw	bhw1		3.0		(none)
Boiler Hall Wall 2	+	bhw2	80.1	80.1	80.1	47.2	47.2	47.2	Lw	bhw2		3.0		(none)
Boiler Hall Wall 3	+	bhw3	70.5	70.5	70.5	50.3	50.3	50.3	Lw	bhw3		3.0		(none)
Boiler Louvre 1	+	bhv1	82.1	82.1	82.1	69.0	69.0	69.0	Lw	bhv1		3.0		(none)
Boiler Louvre 2	+	bhv2	82.0	82.0	82.0	69.0	69.0	69.0	Lw	bhv2		3.0		(none)
Boiler Louvre 3	+	bhv3	82.0	82.0	82.0	69.0	69.0	69.0	Lw	bhv3		3.0		(none)
Boiler Louvre 4	+	bhv4	82.0	82.0	82.0	69.0	69.0	69.0	Lw	bhv4		3.0		(none)
Boiler Louvre 5	+	bhv5	82.1	82.1	82.1	69.1	69.1	69.1	Lw	bhv5		3.0		(none)
Recooler 1 Side 1	+	rsc1	85.1	85.1	85.1	73.5	73.5	73.5	Lw	rsc1		3.0		(none)
Recooler 1 Side 2	+	rsc2	80.3	80.3	80.3	73.5	73.5	73.5	Lw	rsc2		3.0		(none)
Recooler 1 Side 3	+	rsc3	85.1	85.1	85.1	73.5	73.5	73.5	Lw	rsc3		3.0		(none)
Recooler 1 Side 4	+	rsc4	80.3	80.3	80.3	73.5	73.5	73.5	Lw	rsc4		3.0		(none)
Recooler 2 Side 1	+	rsc1	85.1	85.1	85.1	73.5	73.5	73.5	Lw	rsc1		3.0		(none)
Recooler 2 Side 2	+	rsc2	80.3	80.3	80.3	73.5	73.5	73.5	Lw	rsc2		3.0		(none)
Recooler 2 Side 3	+	rsc3	85.1	85.1	85.1	73.5	73.5	73.5	Lw	rsc3		3.0		(none)
Recooler 2 Side 4	+	rsc4	80.3	80.3	80.3	73.5	73.5	73.5	Lw	rsc4		3.0		(none)
Recooler 3 Side 1	+	rsc1	85.1	85.1	85.1	73.5	73.5	73.5	Lw	rsc1		3.0		(none)
Recooler 3 Side 2	+	rsc2	80.3	80.3	80.3	73.5	73.5	73.5	Lw	rsc2		3.0		(none)
Recooler 3 Side 3	+	rsc3	85.1	85.1	85.1	73.5	73.5	73.5	Lw	rsc3		3.0		(none)
Recooler 3 Side 4	+	rsc4	80.3	80.3	80.3	73.4	73.4	73.4	Lw	rsc4		3.0		(none)
Recooler 4 Side 1	+	rsc1	85.1	85.1	85.1	73.6	73.6	73.6	Lw	rsc1		3.0		(none)
Recooler 4 Side 2	+	rsc2	80.3	80.3	80.3	73.5	73.5	73.5	Lw	rsc2		3.0		(none)