

AIRPORT MONITOR

September 2009

Number of Aircraft Operations by Month and Year to Date

	September 2009		September 2008	
	Month	YTD	Month	YTD
Airline Operations	2,518	24,956	2,716	28,952
Corporate Operations				
Based	990	7,372	550	5,450
Transient	5,012	43,944	5,162	52,174
Light GA				
Based	1,514	13,230	2,574	19,758
Transient	1,854	11,118	508	3,982
Touch & Go	2,108	13,000	714	10,156
Government	6	148	38	324
Total Operations	14,002	113,768	12,262	120,796

Total Number of Passengers by Month and Year to Date

Passengers through month of	August 2009	YTD	August 2008	YTD
Total Passengers	173,587	1,282,746	182,410	1,259,149

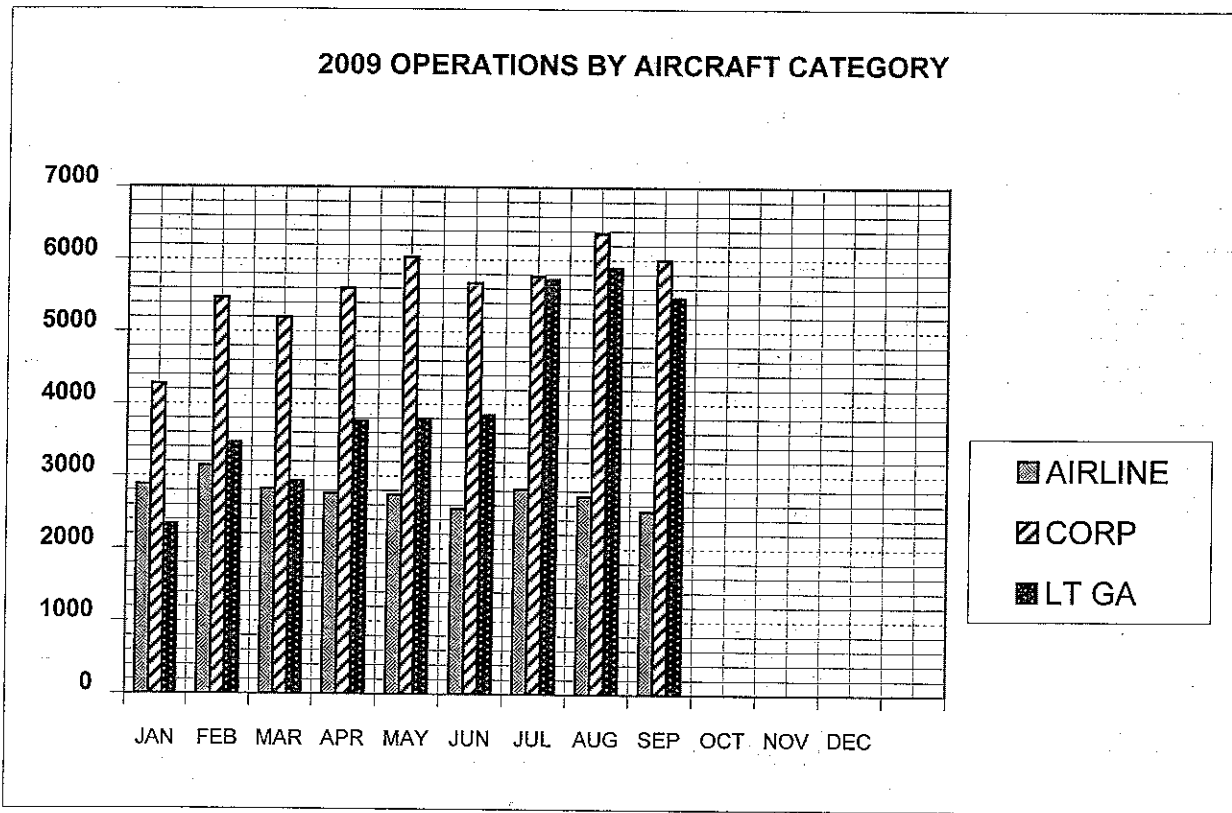
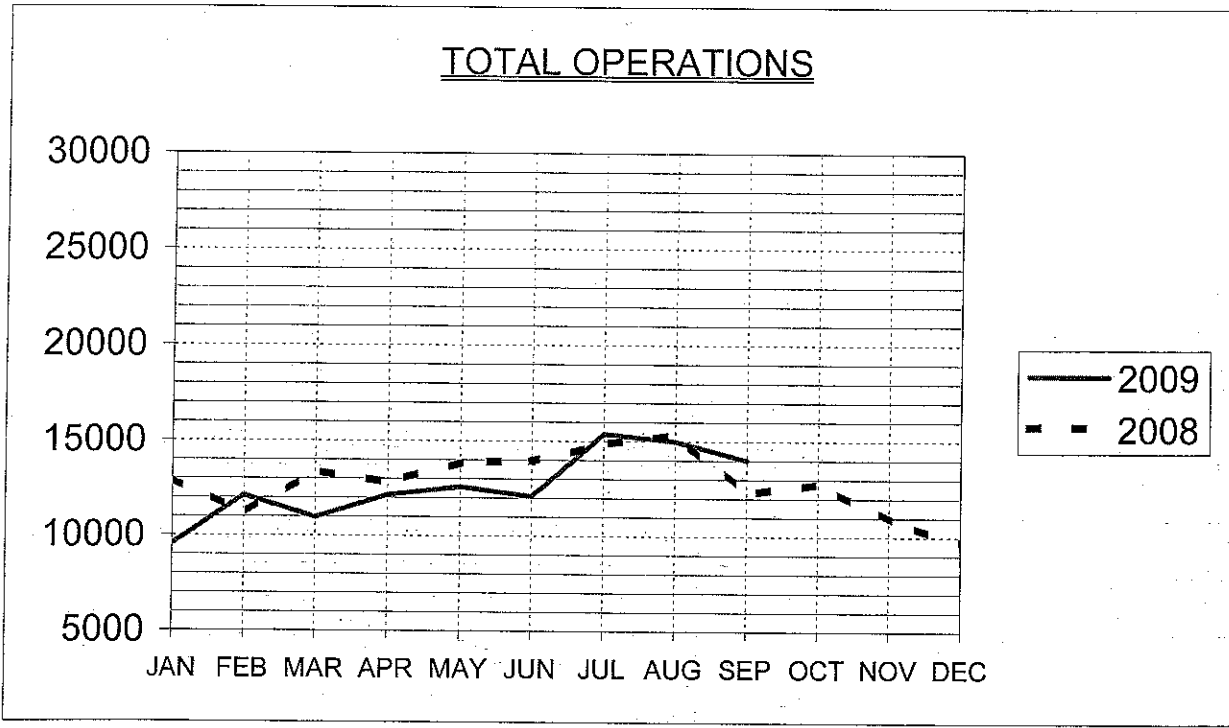
Operations during the Voluntary Restraint From Flying (VRFF) From 12 Midnight - 6:30am

Based vs. Transient	September 2009			September 2008		
		% of Total	YTD		% of Total	YTD
Based Corporate	15	5.9%	129	14	4.6%	115
Based Helicopter	1	0.4%	7	1	0.3%	17
Based General Aviation	5	2.0%	51	7	2.3%	79
Total Based Operations	21	8.3%	189	22	7.2%	211
Commercial Aircraft	102	40.2%	1,254	136	44.7%	1,573
Transient Corporate Aircraft	120	47.2%	988	125	41.1%	1,483
Transient Helicopter	5	2.0%	37	4	1.3%	44
Transient General Aviation	6	2.4%	98	7	2.3%	77
Government	0	0.0%	0	0	0.0%	2
Total Transient	233	91.7%	2,380	282	92.8%	3,200
Total	254	100.0%	2,569	304	100.0%	3,411

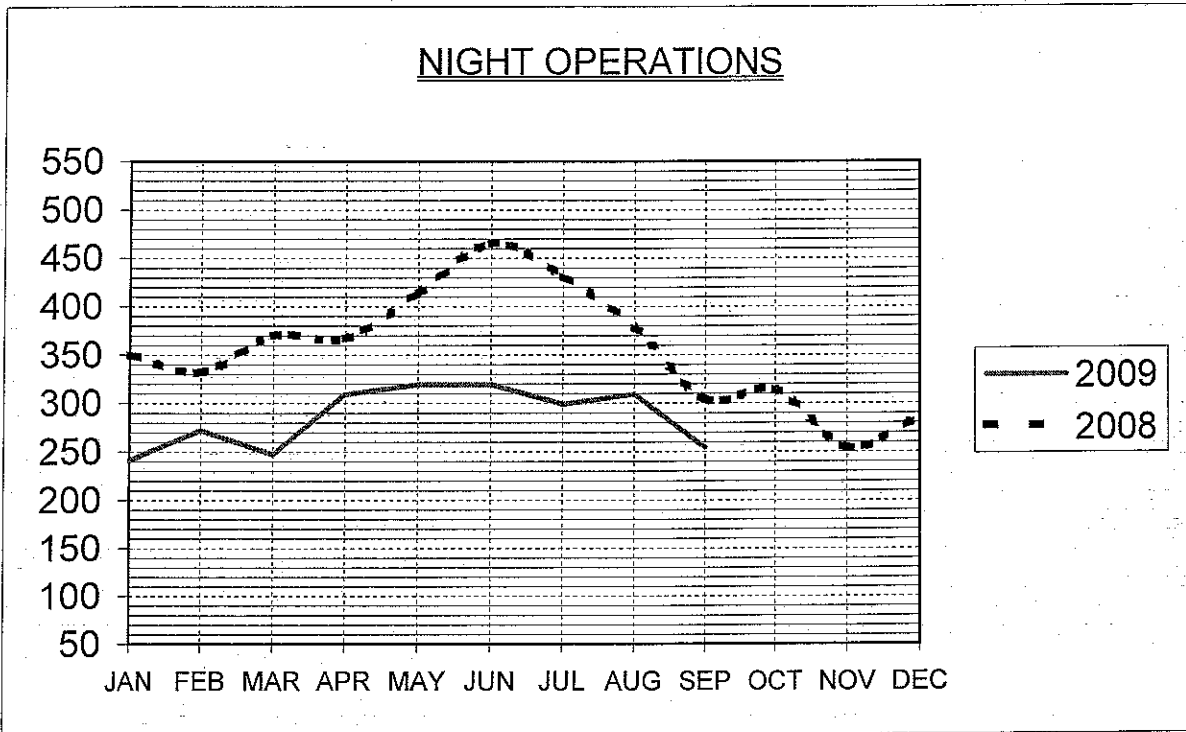
Operations during the VRFF period in the month of September averaged 8.5 per night, which was down from 10.1 per night during the month of September 2008.

To view aircraft activity over your area, please visit our website at www.westchestergov.com/airport/ and click on the [Radar Flight Tracking System](#) link or you may go directly to <http://www4.passur.com/hpn.html>

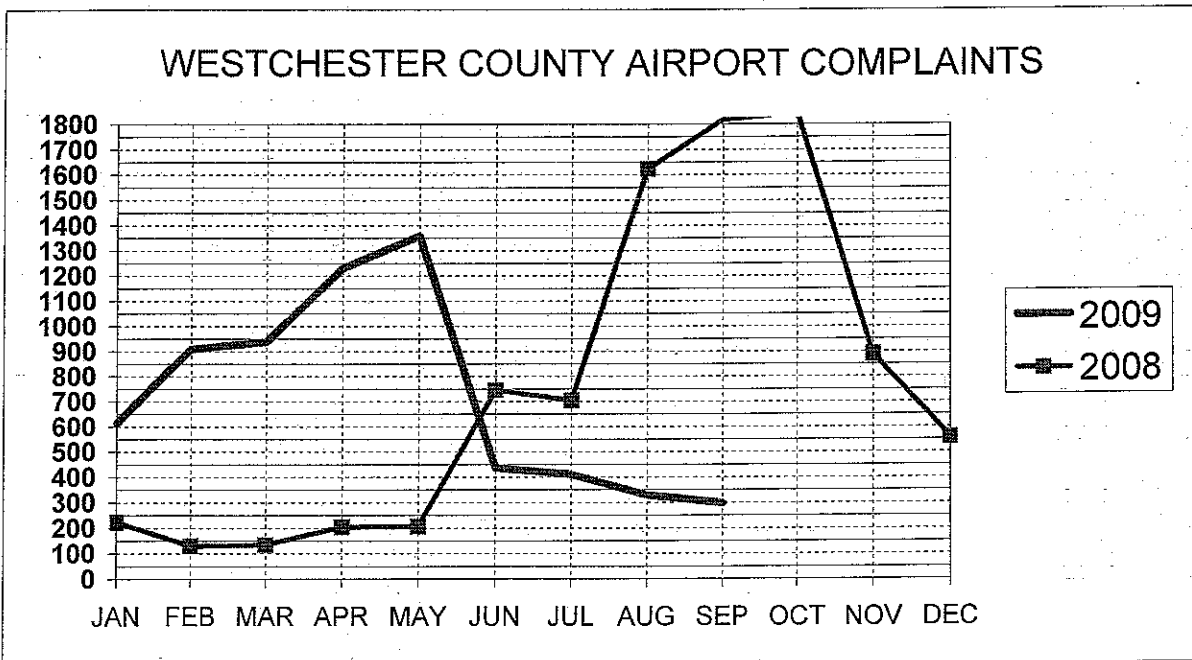
The graphs below illustrate the airport's month-by-month operational levels.



The graph below illustrates the airport's month-by-month operations during our Voluntary Restraint From Flying (VRFF) program - 12 midnight to 6:30 am.



The graph below illustrates the airport's citizens complaint volume.



The End of the Month report shown below lists sound energy levels received at each of our remote monitoring sites during the month of September. These figures separate sound energy caused by aircraft and non-aircraft events. Levels are given in the form of Day Night Average Sound Level (LDN) and Equivalent Sound Level (LEQ).

END OF MONTH

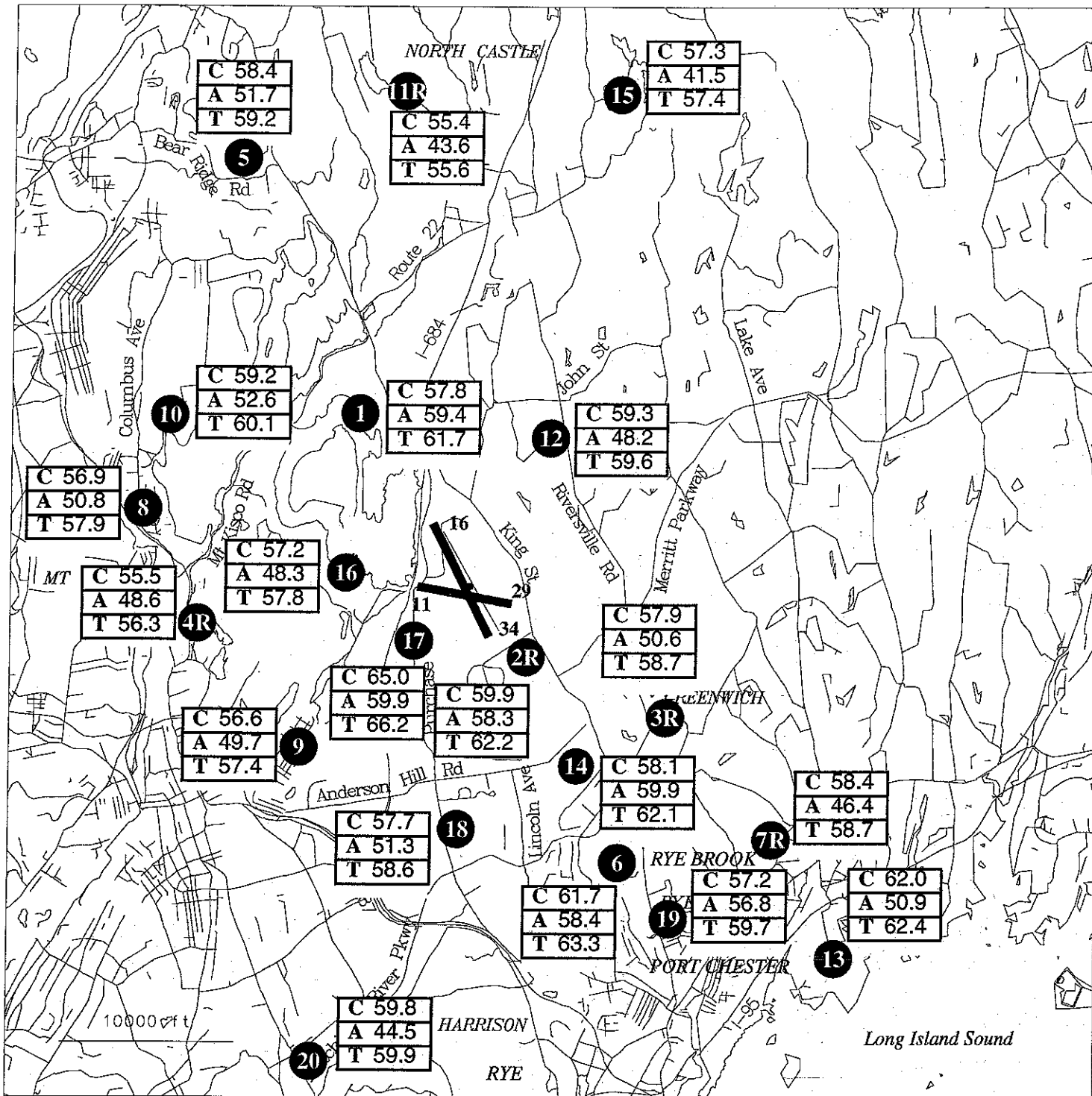
For September 2009

RMT	1	2R	3R	4R	5	6	7R	8	9	10
LDNC	57.8	59.9	57.9	55.5	58.4	61.7	58.4	56.9	56.6	59.2
LDNA	59.4	58.3	50.6	48.6	51.7	58.4	46.4	50.8	49.7	52.6
LDNT	61.7	62.2	58.7	56.3	59.2	63.3	58.7	57.9	57.4	60.1
LEQC	53.4	55.2	53.6	50.5	55.6	60.0	54.1	53.4	53.1	54.0
LEQA	56.6	56.8	50.0	47.4	49.0	56.9	45.6	49.6	48.8	51.1
LEQT	58.3	59.1	55.2	52.2	56.4	61.8	54.6	54.9	54.4	55.8
RMT	11R	12	13	14	15	16	17	18	19	20
LDNC	55.4	59.3	62.0	58.1	57.3	57.2	65.0	57.7	57.2	59.8
LDNA	43.6	48.2	50.9	59.9	41.5	48.3	59.9	51.3	56.8	44.5
LDNT	55.6	59.6	62.4	62.1	57.4	57.8	66.2	58.6	59.7	59.9
LEQC	52.6	55.7	58.4	54.2	52.3	54.4	61.4	55.1	54.5	56.4
LEQA	41.2	47.6	50.4	57.2	39.6	46.8	58.2	49.9	55.6	43.6
LEQT	52.9	56.3	59.0	58.9	52.5	55.1	63.1	56.2	57.6	56.6

The report below lists the sound energy levels for September of 2008

RMT	1	2R	3R	4R	5	6	7R	8	9	10
LDNC	62.2	61.4	61.6	69.3	61.0	60.5	60.9	58.7	57.8	62.0
LDNA	61.0	58.7	47.8	59.5	52.3	55.6	44.7	51.0	49.7	52.3
LDNT	64.6	63.3	61.8	69.7	61.6	61.7	61.0	59.4	58.4	62.4
LEQC	56.4	56.1	57.7	69.0	57.3	55.2	54.6	53.8	53.7	55.7
LEQA	57.9	56.8	46.9	59.4	50.2	53.5	43.9	48.9	48.0	50.4
LEQT	60.2	59.5	58.1	69.4	58.1	57.5	55.0	55.0	54.8	56.8
RMT	11R	12	13	14	15	16	17	18	19	20
LDNC	58.6	59.8	63.0	59.4	59.6	59.4	66.0	60.0	57.8	61.1
LDNA	42.2	48.6	49.3	59.5	40.1	48.4	60.2	54.3	53.2	44.1
LDNT	58.7	60.1	63.2	62.5	59.7	59.7	67.0	61.0	59.1	61.2
LEQC	54.4	56.4	58.9	54.2	53.8	54.9	61.6	57.2	54.9	56.8
LEQA	40.3	48.3	48.7	56.8	38.6	47.3	58.0	53.0	50.8	43.6
LEQT	54.6	57.1	59.3	58.7	53.9	55.6	63.2	58.6	56.3	57.0

The data above represents sound level data collected for the period of time the noise level meter was operational.



WESTCHESTER COUNTY AIRPORT NOISE MONITORING SITES



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COMMUNITY
AIRCRAFT
TOTAL

LDN VALUES

The map above shows the locations of the 20 remote Noise Monitoring Terminals (RMTs). Additionally, it shows the LDN levels for Community Noise, Aircraft Noise, and Total Noise. LDN sound levels represent the average noise level (A-weighted) for the month, adjusted with a ten decibel (dB) penalty for all noise events between the hours of 10 pm and 7 am.

Noise Complaints

Total Complaints Outlined by Number and Aircraft Type

Aircraft Category	September 2009		September 2008	
	Number of Complaints	% of Total	Number of Complaints	% of Total
Commercial Jet	115	38.7%	315	17.3%
Based Corporate Jet	11	3.7%	78	4.3%
Transient Corporate Jet	69	23.2%	611	33.6%
Military Jet	0	0.0%	0	0.0%
Military Helicopter	0	0.0%	0	0.0%
Helicopter	10	3.4%	185	10.2%
Single Engine	7	2.4%	212	11.7%
Twin Engine	11	3.7%	43	2.4%
Turboprop	31	10.4%	231	12.7%
Other	0	0.0%	6	0.3%
General Complaints	5	1.7%	5	0.3%
Non Westchester Traffic	34	11.4%	116	6.4%
Unknown	4	1.3%	15	0.8%
Total	297	100.0%	1817	100.0%

- * 42 households called in 297 complaints
- * 5 households called in 10 or more complaints
- * The lead caller emailed in 79 complaints

Noise Complaints received during our Voluntary Restraint From Flying 12 midnight to 6:30am

Aircraft Category	Number of Complaints	% of Total
Commercial Jet	34	37.0%
Based Corporate Jet	2	2.2%
Transient Jet	17	18.5%
Military Helicopter	0	0.0%
Military Jet	0	0.0%
Helicopter	2	2.2%
Single Engine	0	0.0%
Twin Engine	2	2.2%
Turboprop	19	20.7%
Other	0	0.0%
General Complaints	0	0.0%
Non Westchester Traffic	14	15.2%
Unknown	2	2.2%
Total	92	100.0%

HIGH RANGE NOISE EVENTS

The noise monitoring system is programmed to flag any aircraft event at or above a maximum noise level (MNL) of 90 dB(A), except at RMTs 2R and 17. These events are reported as High Range Noise Events (HRNEs). Each aircraft operator that causes a High Range Noise Event is contacted by the Environmental Department.

A total of 2 aircraft caused 3 event(s) that met or exceeded the level of 90 db(A) in September, as shown in the breakdown below:

MNL dB(A)	No. of HRNEs	Air Carrier	Business Jet	Military
90	1	0	1	0
91	1	0	1	0
92	1	0	1	0
93	0	0	0	0
94	0	0	0	0
95	0	0	0	0
96	0	0	0	0
97	0	0	0	0
98	0	0	0	0
99	0	0	0	0

Distribution of High Range Noise Events over the various Remote Monitoring Terminals (RMTs):

RMT #	1	2R	3R	4R	5	6	7R	8	9	10	11R	12	13	14	15	16	17	18	19	20
# of Events	2	N/A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	N/A	0	0	0

Note: Aircraft related events at RMT's 2R and 17 are primarily generated from aircraft operating within or in close proximity to the airport boundary. As a result, these RMT's are not part of the High Range Noise Event Program.

WESTCHESTER COUNTY AIRPORT NOISE-COMPLAINT HOTLINE (914) 939-8484

This report was prepared by the Environmental Department at Westchester County Airport.

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VRFF Occurrences By Time - September 2009

