



Monthly Report

DeKalb Peachtree Airport Noise Information Office

June 2011

Prepared By:

Mario A. Evans

Airport Noise & Environmental Analyst

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7/11/11

Introduction

The DeKalb-Peachtree Airport is located in a highly aircraft noise sensitive area surrounded by residential communities. The primary goal of the Good Neighbor Program is a community-based program aimed directly at the reduction of aircraft noise levels in the vicinity of the airport. The Good Neighbor Program is a multi-faceted program that uses many approaches toward the same goal.

PDK's Good Neighbor Program strives to reduce overall aircraft noise disturbances, by soliciting airport user involvement in reaching and maintaining this goal. Participation, knowledge, and cooperation are the keys to its success.

This report is a summary of airport operations, noise disturbances, follow-up letters, and overall comments for the month. For more information on PDK's Good Neighbor Program, contact the Noise Information Office at (770) 936-5420 or visit the airport's web-site at 'www.pdkairport.org'.

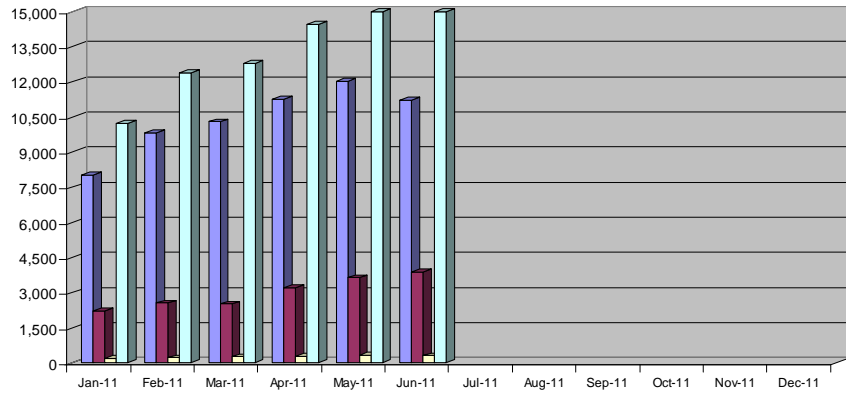
Aircraft Operations Summary

	This Month	This Month Last Year	5 Year Average for Month
Total Operations	15,070	14,571	16,539
Itinerant	11,020	10,523	11,640
Local	3,868	4,048	4,899
Voluntary Curfew Ops	316	260	298
Prior Authorization (75,000 Pounds)	35	N/A noise disturbance calls associated with these flights. 1 voluntary curfew op was associated with these flights.	

Definitions:

Prior Authorization (Section 6-93 County Code)	Aircraft certified by the FAA with a max gross take-off weight greater than 75,000 pounds
Operation	One take-off or landing. Touch-and-go counts as two operations
Itinerant	Non touch-and-go operations
Local	Operations within 20 miles of Airport
Voluntary Curfew Ops	Operations that occur during the hours of 11:00 p.m. and 6:00 a.m.

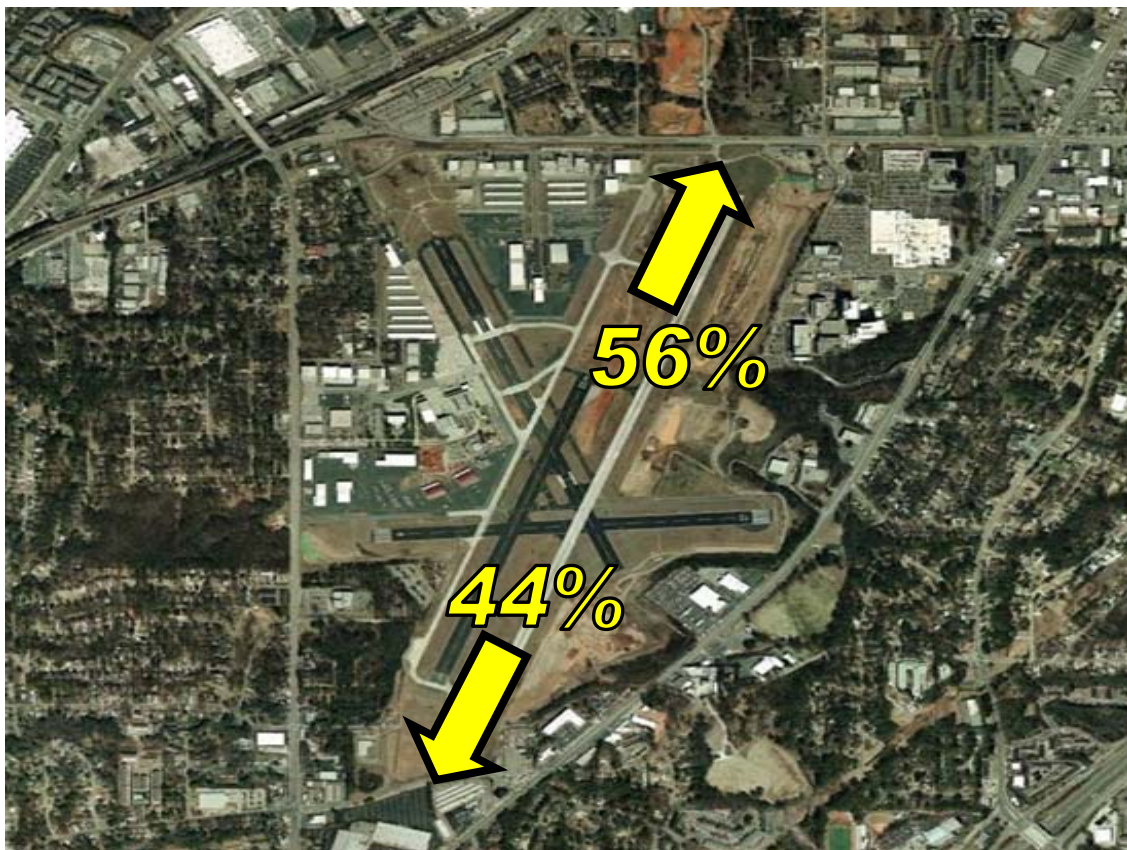
2011 Aircraft Operations Summary - By Type



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Interant	8,010	9,829	10,296	11,243	12,032	11,202						
Local	2,199	2,548	2,504	3,205	3,632	3,868						
Voluntary Curfew	201	208	255	270	323	304						
Total Operations	10,209	12,377	12,800	14,448	15,664	15,070						

Runway Mode of Operations

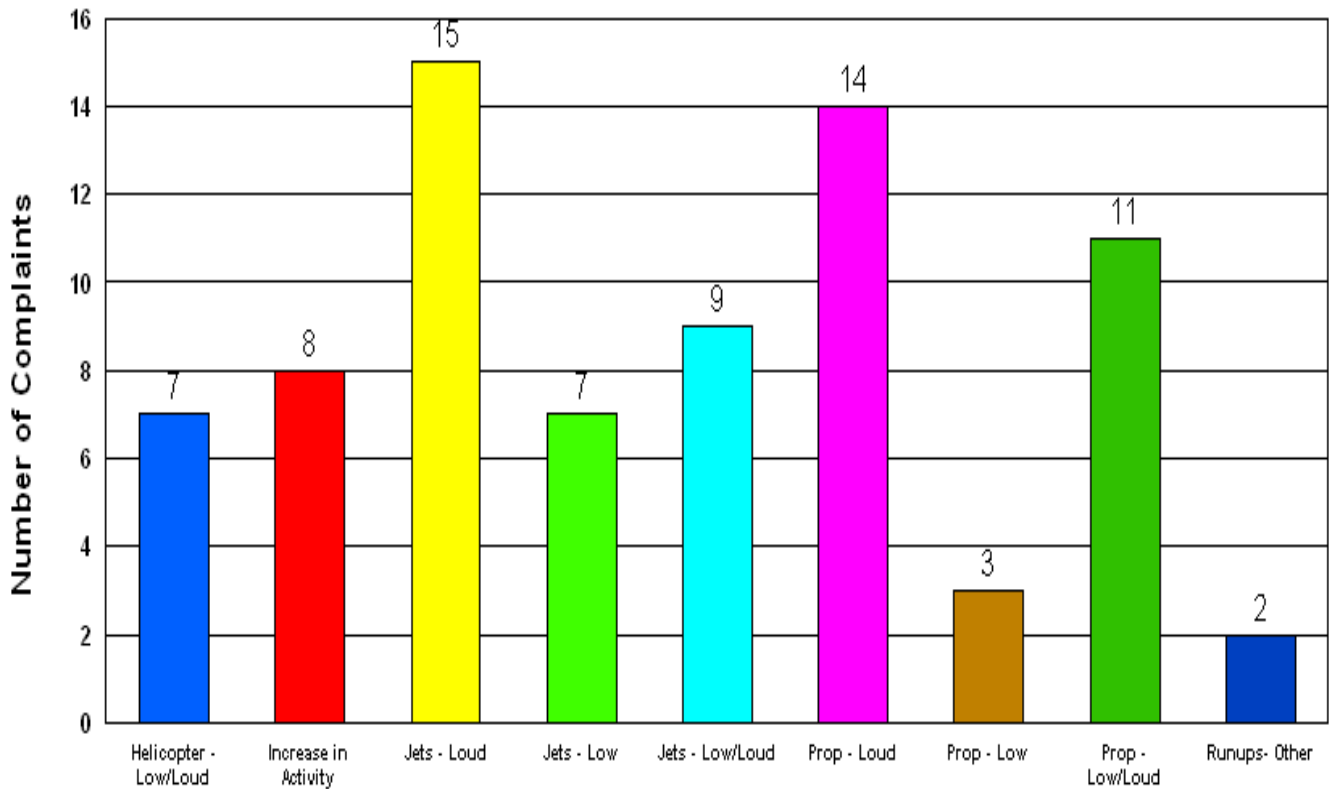
Directional use of runways has a major effect on flight patterns and the areas affected by these flight operations. Weather and wind direction generally determines runway selection. When the tower is open the FAA Air Traffic Control Tower determines directional use of runways.



Noise Disturbances Reported

PDK maintains a hotline that permits residents to report unusually loud aircraft over-flights.

Total complaints for the month	Monthly Complaint Average 2011	Reports per Household <i>(minus top two/Households)</i>	Reports per Household <i>All Inclusive</i>
76	138	2.0	3.6

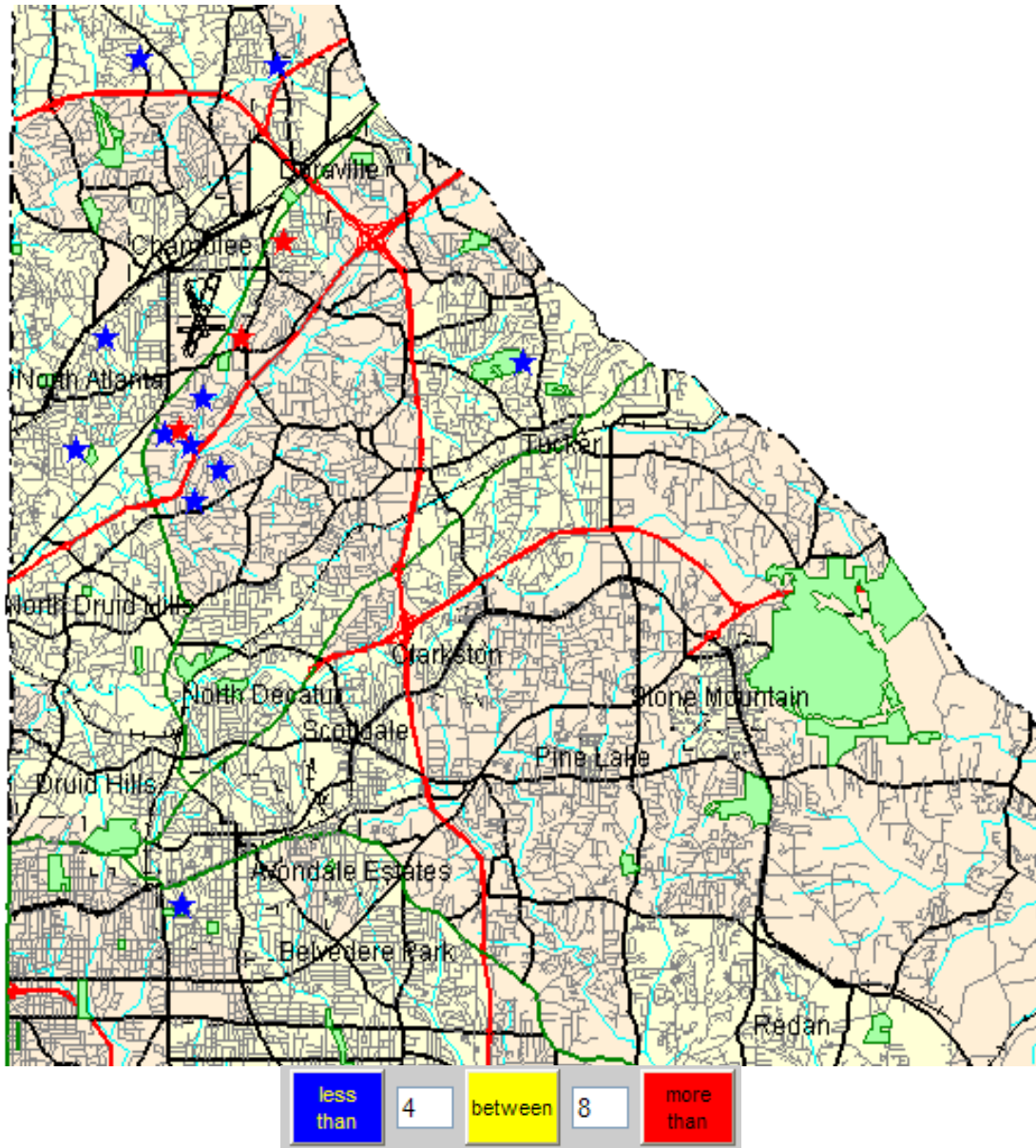


Complainants

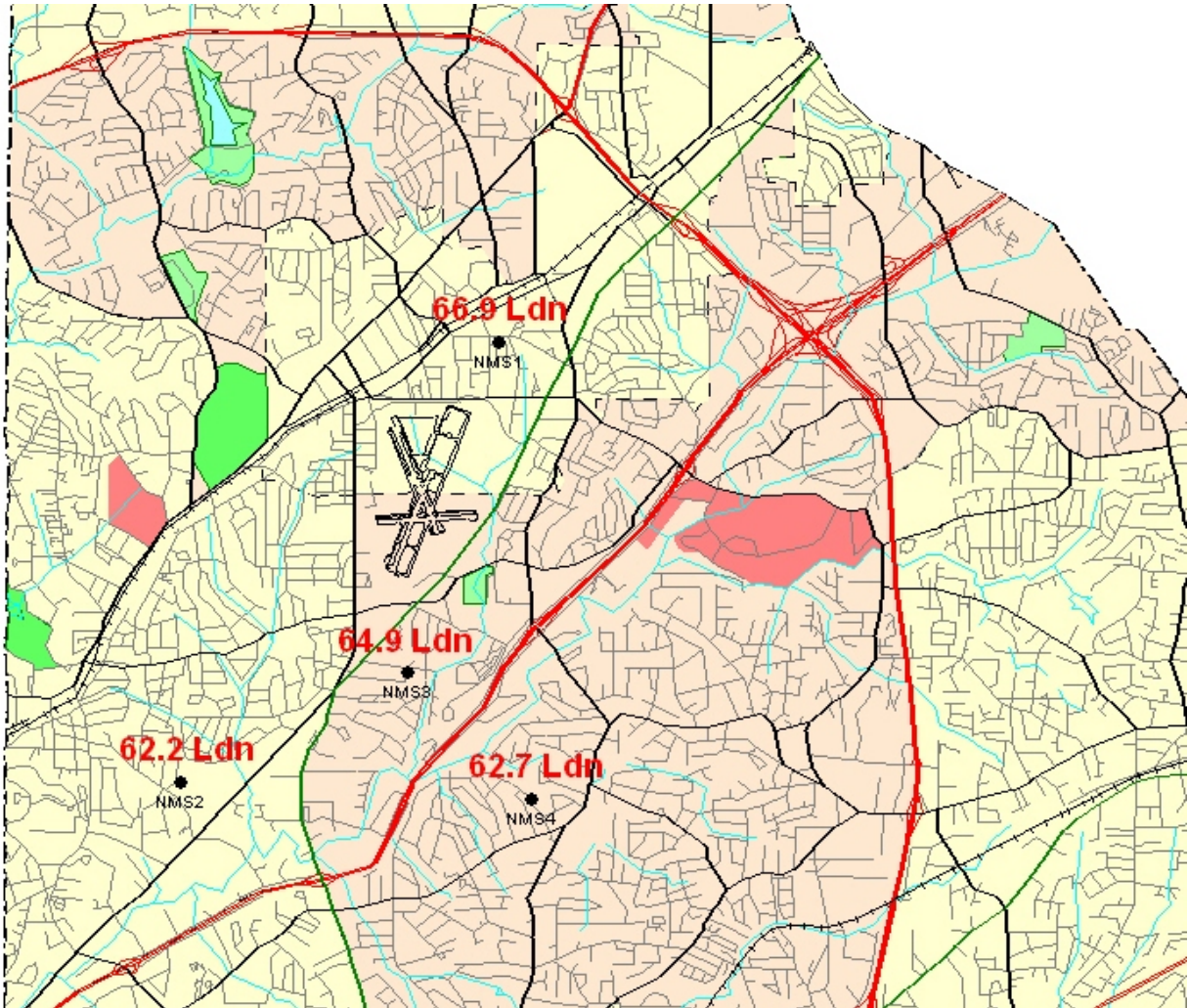
Marshall	2559 Woodacres Rd., Atlanta 30345	1
Grogen	3153 Park Ridge Crescent, Chamblee 30341	1
Feldman	2376 Arrow Cir., Atlanta 30341	11
Cobb	2271 Tanglewood Cir., Atlanta 30319	1
Freeman	1353 Brookhaven Village Cir., Atlanta 30319	2
Moss	2538 Chestnut Landing, Atlanta 30360	2
Welch	2019 Clairmont Ter. NE, Atlanta 30345	20
Jacobson	2886 Redding Road, Atlanta 30345	2
Shannon	2516 Warwick Cir., Atlanta 30345	4
Morris	2538 Chestnut Landing, Atlanta 3045	1
Iron	2953 Craven Ridge Drive, Atlanta 30319	1
Raines	2361 Ewing Dr. NE, Atlanta 30319	1
Doyle	2531 Erie Place, Atlanta 30345	2
Brethour-Diamond	1978 N Ridgeway Road NE, Atlanta 30345	1
Reily	1446 Lanier Ct., Atlanta 30319	1
Carter	1889 Lyden Ct., Dunwoody 30338	2
Anderson	2188 Clairmont Terrace, Atlanta 30345	2
NoName	UNKNOWN	1
Snyder	3436 Allison Dr., Doraville 30340	17
Silver	2108 Meadowcliff Drive, Atlanta 30345	2
Nichols	4500 Orleans Ct., Dunwoody 30338	1

Number of Complaints: 76
Number of Complainants: 21

Disturbance Location Pin Map



Monthly Noise Levels at Monitors



Noise Terminology

- *Decibels (dB) are the unit of measurement on the loudness scale. Decibels that a human can hear are called “A-weighted” or “dBA” on the sound frequency scale.*
- *The decibel scale is logarithmic, not linear. The smallest detectable change 1 dB; 3 dB for a human is readily detectable; 10 dB seems twice as loud.*
- *Lmax – The maximum A-weighted sound level for a given event – the highest level registered on the scale or meter; is not related to the duration for the event.*
- *DNL – A 24-hour time-averaged sound exposure level. It is the noise metric of choice in aircraft sound level measurement. It is also used to define noise contours of equal exposure. All Federal agencies have adopted DNL (LDNA) as the metric for airport noise analysis. (Day Night Level) (Day Night Level A-weighted)*
- *Leq – The steady A-weighted sound level over any specified period. It is used to identify the average sound level over a given period of time.*

Letters

Voluntary Curfew Operations & Operators

Operations:

The airport identified a total 286 of the 304 operations during the voluntary curfew period (11PM-6AM) during the month of June, 2011. 51 of these 304 operations were identified as MEDEVAC and/or emergency flights.

87 "one time" operations were conducted during this period.

217 were multi-time operations conducted during this period, i.e. an operator conducting 2 or more operations during this period.

Operators Identified / Multi-Use:

120 operators were identified using the airport during the voluntary curfew period.

49 operators were identified using the airport during the voluntary curfew period for 2 or more times during the month.

8 operators were identified as MEDEVAC and/or emergency flights.

Complaints received from operations conducted during the voluntary curfew period:

76 complaints were received during June, 2011.

8 complaints were received for operations conducted during the voluntary curfew period.

N/A noise complaints were correlated to operations for the month during the curfew period.

N/A operators were identified and correlated to noise complaints.

This Month (N #'s)

34 Aircraft with 2 operations (924,81771, 110EL, 1113X, **147NA**, 1544C, 16PC, 241CA, 2803Y, 306CJ, 344RJ, 379G, **400GJ**, 4083Y, 428JD, 5747V, 580QS, 693PC, 721EC, 75LJ, 771MG, 808Q, 8417H, **8HQ**, 900JB, 901SB, 908SB, 917SH, 94FE, 963EA, 97SH, 9802A, 99R, 99ZC)

2 Aircraft with 3 Operations (97283, 175EW)

2 Aircraft with 4 Operations (105AN, 4188S)

1 Aircraft with 5 Operations (**891AA**)

3 Aircraft with 6 Operations (1104X, 72EP, 7634J)

1 Aircraft with 7 Operations (**350PC**)

1 Aircraft with 8 Operations (**3589X**)

2 Aircraft with 9 Operations (**202TC**, 333VS)

1 Aircraft with 14 Operations (208LS)

1 Aircraft with 16 Operations (**4093W**)

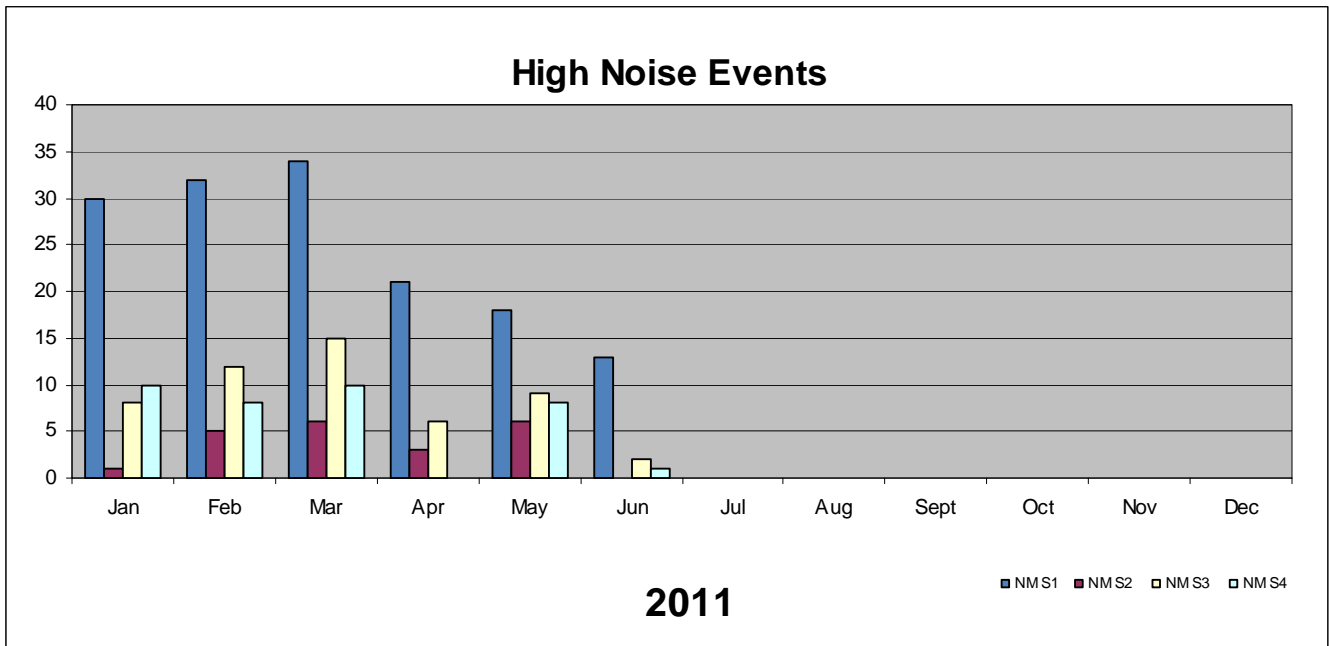
1 Aircraft with 37 Operations (9514F)

***Note: The bold face N#'s represent MEDEVAC, Medical related flights, or Law Enforcement.**

****The Director of the airport has identified those aircraft that have operated during the curfew hours (for two consecutive months with multiple operations of two or more). There were four aircraft for the month: N105AN, 208LS, 333VS, AND 241CA.**

High Noise Event Threshold

The high noise event threshold was developed to work with pilots in methods and techniques that could reduce aircraft noise levels in and around PDK and its residential areas. Noise Monitoring Station (NMS) 1 is located in a commercial district and is set at **93 dBA Lmax** or greater. All other monitors, NMS2, 3, & 4 are located in residential areas and are set at **90 dBA Lmax** or greater. A total of 16 advisory letters were sent this month for aircraft identified as exceeding PDK's high noise event threshold.



May (N #'s)

17 Aircraft with 1 High Noise Events (1983R, 25HF, 279LE, 30PC, 404MS, 454N, 4837A, 523AM, 531QS, 541S, 598GS, 630S, 819KR, 89TC, 902NC)

3 Aircraft with 2 High Noise Events (109NT, 20LB, 57MV)

2 Aircraft with 3 High Noise Events (**147NA**, 900JB)

1 Aircraft with 4 High Noise Events (**81AX**)

2 Aircraft with 5 High Noise Events (301MT, 125JW)

June (N #'s)

10 Aircraft with 1 High Noise Events (294RT, 301MT, 427TM, 4554B, 523AM, 546MM, 68CB, 805WD, 818VB, 908SB)

1 Aircraft with 2 High Noise Events (30WR)

1 Aircraft with 4 High Noise Events (125JW)

Comments

Please visit www.pdkairport.org for all your airport information or you may contact the airport about noise concerns at pdknoise@co.dekalb.ga.us