



AVIATION DEPARTMENT - Fort Lauderdale/Hollywood International Airport
100 Aviation Boulevard • Fort Lauderdale, Florida 33315 • 954-359-6100

August 23, 2011

**SUBJECT: THE BROWARD COUNTY AVIATION DEPARTMENT
AIRPORT NOISE ABATEMENT COMMITTEE (ANAC)
MEETING**

Dear County Commissioners / City Officials / ANAC Members / Airport Community:

Enclosed please find a copy of the meeting minutes for the ANAC Meeting held on June 13, 2011, along with the monthly reports for May through July, 2011.

Also, enclosed is an Agenda for the next ANAC meeting to be held on September 12, 2011, at 6:00 p.m. in the Main Auditorium at the BCAD Administrative Offices located at 100 Aviation Blvd., Fort Lauderdale FL, 33315.

Additionally, enclosed you will find notification regarding the closure of the main runway at the Fort Lauderdale-Hollywood International Airport beginning on Monday, September 12, 2011, for routine maintenance which includes rubber removal and other airfield work.

Please feel free to contact me at (954)359-6181 or at wcannicle@broward.org should you have any questions or need any further information.

Sincerely,

A handwritten signature in black ink, appearing to read "WBC", with a long, sweeping underline that extends to the left.

Winston B. Cannicle
BCAD Noise Information Officer

WBC/mbs



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August 23, 2011

**SUBJECT: TEMPORARY CHANGE IN FLIGHT PATTERNS FOR NORTH
RUNWAY MAINTENANCE WORK AT FORT LAUDERDALE-
HOLLYWOOD INTERNATIONAL AIRPORT**

Dear County Commissioners / City Officials / ANAC Members / Airport Community:

Airfield maintenance work at Fort Lauderdale-Hollywood International Airport will result in the closure of Runway 9L-27R (North Runway) from 12:01 a.m. – 5:30 a.m., Monday, September 12, 2011 – Monday, September 19, 2011. This closure will allow workers to perform routine maintenance which includes rubber removal, safety area work, approach light repairs, and runway painting.

This temporary change in flight patterns will result in the use of Runway 13-31 (Crosswind Runway) and place air traffic over communities to the northwest and southeast of the airport.

Please note the following:

- Runway 9L-27R (North Runway) will be closed each night from 12:01 a.m. until 5:30 a.m.
- Runway 13-31 (Crosswind Runway) will be used for arrivals and departures between the hours of 12:01 a.m. and 5:30 a.m.

If you have any additional questions, please call the Aviation Department's Noise Information Office at 954-359-6181.

Sincerely,

A handwritten signature in black ink, appearing to read "WBC", is written over a thin, light-colored line that extends from the left margin towards the signature.

Winston B. Cannicle
BCAD Noise Information Officer

WBC/mbs



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A G E N D A

FORT LAUDERDALE - HOLLYWOOD INTERNATIONAL AIRPORT AIRPORT NOISE ABATEMENT COMMITTEE

September 12, 2011

6:00 p.m.

**BCAD Administrative Offices
100 Aviation Blvd. (Merle Fogg Road)
Main Auditorium**

1. Welcome
BCAD Staff
2. Approval of Minutes – June 13, 2011 meeting
ANAC Chairperson
3. Old Business –
ANAC Chairperson
4. Noise Control Office Update
BCAD Staff
5. Presentation -
Ted Baldwin, HMMH
6. Committee Member Comments
7. Citizen Comments
8. Next meeting - December 12, 2011 at 6:00 p.m.

Broward County Board of County Commissioners

Sue Gunzburger • Dale V.C. Holness • Kristin Jacobs • Chip LaMarca • Ilene Lieberman • Stacy Ritter • John E. Rodstrom, Jr. • Barbara Sharief • Lois Wexler
www.broward.org

Broward County Aviation Department / Fort Lauderdale – Hollywood international Airport
 Airport Noise Abatement Committee – June 13, 2011 Meeting Minutes

DATE: Monday, June 13, 2011, 6:00 P.M.

LOCATION: Broward County Aviation Department Administrative Offices Auditorium
 100 Aviation Boulevard
 Fort Lauderdale, FL 33315
 Auditorium

<u>Committee Member</u> <u>(Organization Represented)</u>	<u>Present/Absent</u>	<u>Cumulative Attendance</u> <u>(10/01/08 - 6/13/11)</u>	
		<u>Present</u>	<u>Absent</u>
Dr. Michael Richmond (Chair)	P	10	2
Ernie Siegrist (RMT#1)	P	10	2
Randy Wright for Gary Luedtke (RMT#2)	P	10	1
Jay Field (RMT#3)	P	10	2
Mike McKeever (RMT#4)	P	7	4
Rae Sandler (RMT#5)	P	11	1
Vacant (RMT#6)	A	0	0
Dave Reich (RMT#7)	P	7	5
Bud Johnson (RMT#8)	A	10	2
JM Gizzo (RMT #8)	P	1	0
Duncan Bossle (RMT#9)	P	12	0
Rudy Herman (RMT#10)	A	4	8
Lee Gottlieb (RMT#11)	P	6	6
Irwin Oster (City of Hollywood)	A	0	12
Samora Emmanuel (Jet Blue)	A	5	7
James Vaughn (US Airways)	A	1	11
George Counts (RMT#8)	P	12	0
Leonor Ortiz (RMT#9 Alt.)	A	2	8
Debra Van Valkenburgh (RMT#10 Alt.)	A	10	2
John Clark (Spirit Airlines)	A	3	8
Vacant (FBO Representative)	A	0	0
Vacant (Southwest Airlines)	A	0	0
John Higgins (Delta Airlines)	A	4	5
Robert Berlucchi (FAA)	P	9	3

RMT = Representative for neighborhood containing the identified Remote Monitoring Terminal
 Alt. = Alternate RMT representative

Airport/County Staff

Winston Cannicle – BCAD Jacques Beaumier – BCAD Jamie McCluskie – BCAD
 Allan Siegel – BCAD Gasser Dougé – BCAD Ismael Boalla – BCAD

Acoustical Consulting Team Members

Ted Baldwin – HMMH Sheryl Dickey, Natacha Brea, and Justina Hicklyn – DCS

Visitors

Florence Straugh – Fort Lauderdale Executive Airport; Richard Reasoner – Resident; Pat Wright – Resident; Chris Johnston – Resident; Mayra Luria – Resident; Valene Ong – Resident; Rose Robertson – Resident; Ruthie Swindell – Resident; Phillip Holste – Resident; Michael Moore – Resident; Susan Sablesak – Resident; Frank Lipson – Resident; Linda Sacco – Resident; Renee Smith – Resident; Brian McInerney- Resident

1. WELCOME

Dr. Richmond called the meeting of the Airport Noise Abatement Committee (ANAC) for Fort Lauderdale–Hollywood International Airport (FLL) to order at 6:00 p.m.

Dr. Richmond noted that Ernie Siegrist had brought a Sun Sentinel article reporting that construction had begun on the 48 homes in the pilot phase of the FLL sound insulation program.

All attendees had an opportunity to introduce themselves.

2. APPROVAL OF MINUTES

Dr. Richmond asked for a motion to approve the March 14, 2011 meeting minutes. Mr. Field proposed amending the minutes so the summary of the discussion about the Runway 9L/27R closure reflect his request that the Broward County Aviation Department (BCAD) investigate the need for potential future upgrades to all taxiways and runway exits, so that as many modifications as possible could be included in the current project, to minimize the need for future runway closures. There was no opposition to the amendment. Dr. Richmond asked for a motion to approve the amended minutes. Mr. Field made the motion. Ms. Sandler seconded the motion. The motion passed unanimously.

3. OLD BUSINESS

Mr. Field commented on the *Sun-Sentinel* article about the pilot sound insulation project. He noted the article quoted Mr. Myer, the BCAD Public Information Officer, as saying airport expansion is needed to accommodate passenger growth. Mr. Field said he believed passenger growth had declined and in his opinion the expansion is to accommodate growth in aircraft operations, not passengers. Mr. McCluskie (the BCAD Director of Planning) noted that the airport continues to experience passenger growth and higher load factors (85%). He stated that the purpose of the ANAC is to discuss noise issues, not the airport expansion. He requested that any parties interested in other issues contact the appropriate BCAD division. He indicated interested parties could contact –Airport Expansion Program (AEP) Division to address the expansion issue.

Dr. Richmond asked whether any aviation industry representatives were present, to see if sufficient ANAC members were in attendance for a quorum, to vote on the ANAC charter revisions recommended by the charter review subcommittee. Since there were no industry representatives, no vote was possible.

4. NOISE OFFICE UPDATE

Mr. Cannicle noted that the BCAD is streamlining processes related to sharing information with the public, to reduce paper consumption and turnaround time, with emphasis on use of the airport section of the County's website (www.fll.net). He noted that all ANAC reports and presentations are placed on the website in advance of meetings when feasible and that the BCAD will continue to honor committee member requests to receive material in hardcopy form or on CDs. He asked if any attendees had difficulty accessing the information on the website; no problems were identified.

Mr. Cannicle stated that the main runway (9L/27R) has been closed for maintenance and modifications, as previously announced and discussed. He noted that the closure has led to over 300 noise complaints to date regarding the use of Runway 13/31.

Mr. Cannicle noted computer issues prevented him from providing the ANAC with noise reports for May 2011. He expects repairs to be made shortly and the reports for May will be posted thereafter. He also noted that all noise monitors are functioning properly at this time and that the hard disk problem will not result in any data loss.

Mr. McCluskie made a presentation on noise abatement departure profile (NADP) procedures. He noted that Federal Aviation Administration (FAA) Advisory Circular (AC) 91-53A defines NADP criteria for aircraft over 75,000 pounds and standardizes the process for aircraft operators to use in developing NADPs. The AC allows operators to develop up to two NADP procedures for each aircraft and gives

guidance related to procedures designed to benefit “close-in” and “distant” communities. He presented a graphic comparing noise “footprints” for common airline aircraft using the two procedures.

Airport operators, such as the BCAD, can select preferred procedures from the two options defined in the AC, and request that aircraft operators use them on a *voluntary* basis. The AC encourages operators to use the appropriate NADP when requested by the airport operator. *However, airport operators are not permitted to mandate use of any specific procedure; NADP use is voluntary.*

BCAD first implemented AC 91-53A in the mid-1990s through the Part 150 update process. The FAA approved a Noise Compatibility Program measure calling for the BCAD to analyze and select an NADP alternative. In 1997 (after HMMH analysis under ANAC oversight) the ANAC recommended and the BCAD selected the distant NADP as the preferred procedure at FLL. In 2000, the ANAC amended its recommendation to identify the close-in NADP as its preference on Runway 13/31. On May 24, 2011, the Broward County Board of County Commissioners (BOCC) adopted Resolution 2011-314 calling for the close-in NADP procedure to be the preference on all runways at FLL. The BCAD has initiated steps to advertize this new policy.

In response to committee questions, Mr. Baldwin reiterated that the FAA permits airports to identify runway-specific procedures, in recognition of differences in community orientations and distances.

Mr. Field proposed that the ANAC support returning the preferred procedure to the distant NADP at the end of the current runway closure for the North and South Runways. Dr. Richmond suggested Mr. Field modify his motion to say the committee should consider the matter at the completion of the project rather than now. Mr. Field agreed and amended his motion accordingly. Mr. Counts seconded the motion, which passed unanimously.

5. BRIEFING ON STATUS OF RUNWAY 9L/27R CLOSURE – BCAD STAFF

Mr. Dougé gave a PowerPoint presentation on the airfield maintenance and upgrading project that has required temporary closure of Runway 9L/27R. He summarized activities initiated since the March 14, 2011 meeting that are underway or complete. Construction began on May 3, 2011. The project was originally projected to require 65 days to complete. However, under the direction of the BCAD Aviation Director, Mr. Kent George, the project has been accelerated, with financial incentives to the contractor, and now has a projected completion date of June 24, 2011 (at around 5:00 p.m.).

Mr. Dougé summarized the outreach plan being executed to inform all interested parties through presentations, articles, the BCAD website (which is updated weekly), and communications with the residents who have asked about the project. He noted that his presentation will be on the website for interested parties to review in detail.

Mr. Dougé answered questions from the committee regarding ridges in the pavement, de-mucking and drainage, the size of the EMAS (Engineered Materials Arresting System) installation, a ditch in the same general area as the construction project, the purpose of a foundation close to Perimeter Road, whether additional money is being appropriated to complete the project, and the source of that additional funding. Briefly, he responded as follows: the ridges are a quarter of an inch in width, boring was done in advance to measure the anticipated depth of the muck and drainage needs were carefully considered in the project design, the EMAS is the standard length of 600 feet, the ditch that is seen close to Perimeter Road existed prior to the project and is unrelated, the “foundation” is an apron for remote overnight parking, and additional BCAD funds were used to accelerate the project (no County tax payer revenue was used).

6. PRESENTATION NOISE ATTENUATION- HMMH

In response to a request from Ms. Sandler at the March 14, 2011 meeting, Mr. Baldwin made a PowerPoint presentation entitled “Decibel Level Variation Related to Changes in Distance and Other Factors Affecting Propagation.” The presentation discussed conditions that reduce the sound level that a person hears, including distance from the source, weather conditions, ground effects, and surface conditions. The presentation is available on the BCAD website for interested parties to review in detail.

Ms. Sandler thanked Mr. Baldwin and said his presentation answered all her prior questions. Mr. Field asked whether the presentation was based on mathematical formulas or proven through measurements. Mr. Baldwin explained that the principles are based on both types of analysis. Mr. Field requested that Mr. Baldwin provide more detailed supporting references, which Mr. Baldwin agreed to do.

In response to a request from Mr. McKeever, Mr. Baldwin agreed he will provide at the next ANAC meeting a brief example of noise attenuation with distance for takeoffs on Runway 9R at noise monitor 5.

7. COMMITTEE COMMENTS AND QUESTIONS

Mr. Gottlieb commented that on May 24, 2011 the Hollywood North Beach Association submitted a letter requesting installation of a noise monitor near the northernmost boundary of the City of Hollywood at A1A. He presented the letter to the ANAC for the record. On June 6, 2011, the Board of The Renaissance on the Ocean Condominium Association submitted a letter to the BOCC making a similar request for a noise monitor at A1A in North Beach Hollywood. Mr. Gottlieb made a motion to place another noise monitor at A1A and North Beach in Hollywood. Mr. Cannicle stated that BCAD received this request and a response will be provided soon.

Mr. McCluskie noted the BCAD is investigating current and future monitoring needs and locations to address those needs. Mr. Field asked that the BCAD keep the ANAC informed on the findings. Mr. Counts noted there is no need to saturate the area with unnecessary and redundant monitors.

Ms. Sandler recalled a prior ANAC recommendation to install a monitor on the north end of John Lloyd Park, which would seem to cover the area under discussion. Mr. Cannicle stated that is correct. She proposed a motion to reiterate that recommendation. Mr. Field proposed an amendment to Ms. Sandler's motion to recommend new monitors both in the vicinity of the north end of Hollywood near the south end of John Lloyd Park, and in Davie west of the south runway. Ms. Sandler accepted the amendment.

Dr. Richmond requested that the BCAD present a full report at the next ANAC meeting, addressing all areas under consideration, Ms. Sandler's amended motion, and the requests from the Hollywood North Beach Association and the Board of The Renaissance and The Ocean.

Mr. Cannicle stated that by the next meeting BCAD will present the most complete status report possible at the time on the proposed noise monitors in all locations suggested and under consideration, but noted that time pressures may not permit preparation of a full and final report.

Mr. Field asked about the cost of noise monitors. Mr. Baldwin stated that monitors would cost approximately \$35,000 each.

Dr. Richmond called the question on Ms. Sandler's amended motion as seconded by Mr. Field. Committee members responded in the affirmative and some in the negative. It was stated to have passed.

Committee members asked about whether use of NADPs was mandatory at John Wayne Airport in Orange County California. Mr. Baldwin noted that the Orange County rules do not mandate what NADP operators must use; rather, they set measured quarterly noise budgets and other limits. He noted that the Orange County rules were adopted prior to the passage of the Airport Noise and Capacity Act of 1990, which prohibits adoption of similar rules today without FAA approval, following successful completion of the complex, time-consuming, and costly Part 161 process.

It was asked if Miami prefers the close-in NADP. Mr. Cannicle and Mr. Baldwin stated they will inquire about the preferred procedures at the Miami and West Palm Beach Airports. Mr. Baldwin noted again that preferred NADPs must be selected on an airport-by-airport basis and there is no universal solution.

8. CITIZEN COMMENTS AND QUESTIONS

Susan Sablesak, a pilot who stated she has worked with a major airline for 16 years, indicated she and her husband (also a pilot with a major airline) made a presentation to Mayor Sue Gunzburger recommending preferred implementation of the International Civil Aviation Organization (ICAO) close-in procedure on all runways at FLL. She indicated that they have been living in the Renaissance for the past year and believe the ICAO close-in procedures would benefit them regardless of which runway is in use. She indicated that she did not support consideration of returning to the distant procedure on any runway.

Ms. Sablesak also stated that neither she nor her husband have seen any notices in their airline flight manuals or other industry publications regarding the preferred use of the close-in NADP as specified in the previously discussed BOCC resolution. Ms. Sablesak stated that if pilots see the information in their flight manuals they would follow it whenever safe, even though it is voluntary to the operator. Mr. Cannicle stated that he will verify that BCAD did provide the information to the Airlines regarding the NADP for FLL. He also indicated that the Boeing Website where this information is also located was updated to reflect the NADP for FLL.

Mr. Randy Wright raised the issue discussed at previous meetings regarding observations that aircraft are making six-degree (or greater) turns to the left when departing in both directions on Runway 9L/27R. He stated that he has been raising this issue for nine months and noted that it was occurring in all weather conditions, so it does not appear to be related to issues such as crosswinds or avoidance of thunderstorms.

Mr. McCluskie recommended Mr. Wright contact the FAA. Mr. Robert Berlucchi, the FAA Air Traffic Control Tower (ATCT) Manager, stated he would be pleased to talk to Mr. Wright. Dr. Richmond requested that a status report be given at the next meeting on how BCAD is handling departures greater than six degrees. Mr. Cannicle and Mr. Baldwin agreed to make this report. Ms. Linda Sacco stated the BCAD must remain sensitive the concerns of the community on matters of this type.

Mr. Duncan Bossle stated that there are two underutilized airports within a forty-mile radius of FLL which should take some of the traffic and noise. Mr. George Counts spoke about the history of the airport and indicated that both the neighborhoods and airport have been here but the propeller aircraft made much less noise than today's jets.

A question was asked as to whether a Part 150 study will be done. BCAD plans to initiate a Part 150 Study Update a year after the runway expansion is complete, this will allow for a full year of operational data to be available for base case analyses, consistent with Part 150 requirements.

Chris Johnston, a Delta, pilot stated that information on the voluntary noise abatement procedures is not getting to the pilots. Mr. Cannicle stated that he will check on this issue to make sure that the airlines pass on the information that the BCAD provided them and provide a status report at the next ANAC meeting.

A question was asked as to when Runway 13/31 will be closed. The estimated time frame is 2012. A related question was raised regarding the runway expansion schedule. BCAD staff will provide a status report on the runway expansion schedule (including where to find updates on the BCAD website) at the next ANAC meeting.

A motion was made to adjourn. The motion was seconded and accepted unanimously. Dr. Richmond announced that the next meeting will be September 12, 2011 and adjourned the meeting at 7:42 p.m.

Reported by: Dickey Consulting Services, Inc., Sheryl Dickey, Project Manager

Reviewed by: Ted Baldwin (HMMH) and Winston Cannicle (BCAD)