

5.C.3 14 CFR PART 150 NOISE STUDY

Broward County is currently updating the *Fort Lauderdale-Hollywood International Airport FAR Part 150 Program Update*.²⁶ A Part 150 Study is prepared by the airport sponsor in accordance with the provisions of 14 CFR Part 150, *Airport Noise Compatibility Planning*.

A Part 150 is a voluntary program that airport sponsors may initiate to balance the airport's operational needs and the noise impacts on surrounding neighborhoods. The Part 150 guidance provides for the preparation of two types of analysis:

- Noise Exposure Maps (NEM): describe the existing noise conditions in the airport environs and the projected future five-year conditions if no noise abatement actions are recommended.
- Noise Compatibility Program (NCP): provides guidelines for the mitigation of existing incompatible land uses and the prevention of new development that would introduce new incompatible land use within the 65 DNL noise exposure contour.

Together, the NEM and NCP make up the Noise Compatibility Plan.

The measures approved by the FAA in its Record of Approval for the *Fort Lauderdale-Hollywood International Airport FAR Part 150 Program Update (1994)*, dated December 12, 1995, include operational measures for noise abatement and land use measures for land use mitigation.

Operational Measures:

Noise Abatement Measure No. 1: FAA approved as a voluntary measure the continued use of preferential flight tracks implemented through the Informal Runway Use Program.

Noise Abatement Measure No. 2: FAA approved as a voluntary measure the continued use of existing noise abatement departure procedures as indicated in the Informal Runway Use Program.

Noise Abatement Measure No. 3: FAA approved as a voluntary measure the continued preferential runway use provided in the Informal Runway Use Program as it relates to turbojet aircraft.

Noise Abatement Measure No. 4: FAA approved the measure to continue the Airport Noise Monitoring Program.

Noise Abatement Measure No. 5: FAA approved in concept the test of noise abatement profiles.

Noise Abatement Measure No. 6: FAA approved as a voluntary measure for Broward County Aviation Department and the ATCT manager to take all actions

²⁶ *Fort Lauderdale-Hollywood International Airport FAR Part 150 Program Update (1994)*, FAA Record of Approval, dated December 12, 1995.

necessary to restrict all Stage 2 aircraft to Runway 9L/27R except when wind, weather, maintenance, operational, or emergency conditions require the use of Runway 13/31 or Runway 9R/27L.

Noise Abatement Measure No. 7: FAA approved the relocation of the aircraft engine maintenance run-up facility from its present site on Runway 13/31 to the east end of Runway 9L/27R following the removal of the BCAD "Chassis Master" maintenance area.

Noise Abatement Measure No. 8: FAA approved the installation and use of a permanent noise and operations monitoring system.

Land Use Measures:

Noise Mitigation Measure No. 1: FAA approved the acquisition of real property by condemnation (instead of acquisition at homeowner's request) of the Trail's End Mobile Home Park in Dania and the unincorporated Ravenswood neighborhood.

Noise Mitigation Measure No. 2: FAA approved in part the acquisition of avigation easements from owners of single-family residences, owners of multi-family residential property, and the mobile home park owners. The FAA disapproved in part, for purposes of Part 150, the acquisition of avigation easements to mobile home owner occupants.

Noise Mitigation Measure No. 3: FAA approved a voluntary sales assistance program for BCAD to assist eligible single-family homeowners to sell their property and relocate from the 1997 Ldn 65-70 area.

Noise Mitigation Measure No. 4: FAA approved soundproofing for the Wesley Chapel United Methodist Church, the Edgewood Elementary School, and the Church of the Resurrection.

As of the publication of this EIS (mid-2008), the analysis and preparation of the airport's Part 150 Study Update continues.