

## TABLE OF CONTENTS

<b><u>Section Number</u></b>		<b><u>Page</u></b>
	Introduction and Background	i
1	Purpose and Need of the Proposed Federal Action	1-1
2	Alternatives	2-1
3	Affected Environment	3-1
4	Environmental Consequences	4-1
4.1	Noise	4-1
4.2	Compatible Land Use	4-13
4.3	Air Quality	4-16
4.4	Section 303c Properties	4-17
4.5	Historic Sites	4-19
4.6	Energy	4-20
4.7	Environmental Justice	4-21
4.8	Other Impact Categories	4-23
	Coastal Resources	4-23
	Construction Impacts	4-23
	Farmlands	4-23
	Fish, Wildlife and Plants	4-23
	Floodplains	4-23
	Hazardous Materials, Pollution Prevention and Solid Waste	4-24
	Light Emissions and Visual Impacts	4-24
	Secondary Impacts	4-24
	Socioeconomic Impacts/Children’s Environmental Health/Safety	
	Risks	4-24
	Water Quality	4-24
	Wetlands	4-24
	Wild and Scenic Rivers	4-25
4.9	Summary of Impacts	4-25
4.10	Cumulative Impacts	4-25
4.11	Mitigation	4-25
5	Coordination and Public Involvement	5-1
	Availability of Draft Environmental Assessment	5-3
6	List of Preparers	6-1

## LIST OF EXHIBITS

<b><u>Exhibit Number</u></b>	<b><u>Title</u></b>	<b><u>Following Page</u></b>
1-1	Location Map	1-1
1-2	Airport Layout Exhibit	1-1
2-1	Procedure 1 – West Flow Daytime Departure Tracks	2-2
2-2	Procedure 1 – West Flow Nighttime Departure Tracks Exhibit	2-1
2-3	Procedure 3 – East Flow Nighttime Departure Tracks	2-3
2-4	Procedure 4 – West Flow Charted Visual Approach Day and Night Arrival Tracks	2-4
3-1	Existing and Future No Action Flight Tracks – East Flow	3-4
3-2	Existing and Future No Action Flight Tracks – West Flow Exhibit	3-1
3-3	Baseline 2003 DNL Contours Exhibit	3-2
3-4	Representative Noise Sensitive Sites Within the 65 DNL	3-5
3-5	Existing Land Use Map	3-6
3-6	South Florida National Parks Exhibit	3-5
4-1	2005 No-Action DNL Noise Contours	4-1
4-2	2010 No-Action DNL Noise Contours	4-2
4-3	2005 No-Action DNL Contours vs. Proposed Federal Action	4-4
4-4	2010 No-Action DNL Contours vs. Proposed Federal Action Exhibit	4-3
4-5	2005 No-Action DNL Contours vs. Procedure 1	4-7
4-6	2010 No-Action DNL Contours vs. Procedure 1	Exhibit 4-5
4-7	2005 No-Action DNL Contours vs. Procedure 2	4-9
4-8	2010 No-Action DNL Contours vs. Procedure 2	Exhibit 4-7
4-9	2005 No-Action DNL Contours vs. Procedure 3	4-12
4-10	2010 No-Action DNL Contours vs. Procedure 3	Exhibit 4-9
5-1	Noise Abatement Task Force Community Representation	5-2

## LIST OF TABLES

<b>Table</b>		
<b><u>Number</u></b>	<b><u>Title</u></b>	<b><u>Page</u></b>
1-1	2003, 2005 and 2010 Daily Operations	1-3
2-1	Use of CVAP's for West Flow Arrivals	2-4
3-1	Baseline 2003 Runway Use All Aircraft (Percent)	3-3
3-2	DNL Noise Levels at Representative Noise Sensitive Sites	3-5
3-3	Year 1990 Regional Emissions Inventory	3-8
4-1	Area (Square Miles) Within the 65, 70, and 75 DNL Contours – Baseline 2003 and Future No-Action 2005 and 2010	4-2
4-2	Population Within the 65, 70, and 75 DNL Contours – Baseline 2003 and Future No-Action 2005 and 2010	4-2
4-3	2005 and 2010 No-Action DNL Values at Noise Sensitive Sites Compared to 2003 DNL Values	4-3
4-4	Area (Sq. Miles) Within the 65,70, and 75 DNL Contours – Proposed Action (2005 and 2010)	4-4
4-5	Population Within the 65, 70, and 75 DNL Contours – Proposed Action (2005 and 2010)	4-5
4-6	2005 and 2010 Proposed Action DNL Values at Noise Sensitive Sites Compared to the No-Action Alternative	4-6
4-7	Area (Sq Miles) Within the 65,70, and 75 DNL Contours – Procedure 1 (2005 and 2010)	4-7
4-8	Population Within the 65, 70, and 75 DNL Contours – Procedure 1 (2005 and 2010)	4-8
4-9	2005 and 2010 Procedure 1 DNL Values at Noise Sensitive Sites Compared to the No-Action Alternative	4-9
4-10	Area (Sq Miles) Within the 65,70, and 75 DNL Contours – Procedure 2 (2005 and 2010)	4-10
4-11	Population Within the 65,70, and 75 DNL Contours – Procedure 2 (2005 and 2010)	4-10
4-12	2005 and 2010 Procedure 2 DNL Values at Noise Sensitive Sites Compared to the No-Action Alternative	4-11
4-13	Area (Sq Miles) Within the 65, 70, and 75 DNL Contours Procedure 3 (2005 and 2010)	4-12
4-14	Population Within the 65, 70 and 75 DNL Contours Procedure 3 (2005 and 2010)	4-12
4-15	2005 and 2010 Procedure 3 DNL Values at Noise Sensitive Sites Compared to the 2005 No-Action Alternative	4-14
4-16	2005 Total Residential Land Use Within the 65, 70 and 75 DNL	4-15

4-17	2010 Total Residential Land Use Within the 65, 70 and 75 DNL	4-15
4-18	Change In Emissions - 2005	4-16
4-19	Change in Emissions - 2010	4-16
4-20	Change Aircraft Fuel Usage	4-20
4-21	2005 Population, Minority Population and Low-Income Households Within the 65, 70 and 75 DNL	4-22
4-22	2010 Population, Minority Population and Low Income Households Within the 65, 70, and 75 DNL	4-22
5-1	Membership in the Noise Abatement Task Force	5-2

## **LIST OF APPENDICES**

### [Appendix A](#)

Miami International Airport Aviation Forecast Revisions

### [Appendix B](#)

Federal Land Use Compatibility Guidelines

### [Appendix C](#)

ATNS Model Methodology and Model Output Sheets

[Exhibit C-1](#) Air Traffic Noise Screening Model (ATNS) Evaluation Area – East Flow

[Exhibit C-2](#) Air Traffic Noise Screening Model (ATNS) Evaluation Area – East Flow

### [Appendix D](#)

Historic and Archeological Correspondence

### [Appendix E](#)

Future Runway Use

### [Appendix F](#)

Existing and Future Airport Operations and Fleet Mix

### **Appendix G**

Public Notices and Agency Comments on the Draft EA

[Part 1](#)

[Part 2](#)

[Part 3](#)

[Part 4](#)