

## VI. Mitigation

The analyses discussed in Section V form the basis for concluding that the Proposed Action is not expected to cause a significant impact, itself or cumulatively, in any of the environmental impact categories listed in FAA Order 1050.1E, *Environmental Impacts: Policies and Procedures*, Appendix A, “Analysis of Environmental Impact Categories.”

Sections III and 5.7 document there are no practicable alternatives to the Proposed Action outside the 100-year floodplain. If no practicable alternative outside the base floodplain exists, Executive Order 11988 and DOT Order 5650.2 require the FAA to minimize action-induced impacts on the base floodplain and, where practicable, to restore and preserve natural and beneficial floodplain values that are adversely affected by the action. Section 5.7 documents the lack of beneficial and natural floodplain values within the LOPD and confirms that the Proposed Action would not cause: discernable effects to flood storage or flow; adverse affect to human health or life; or adverse impact to facilities or operations. The Authority would design and construct the Proposed Action to ensure the impacts to the 100-year floodplain would not reach the level of significance.

Mitigation measures are not necessary because there would be no potentially significant impacts and the impacts to the 100-year floodplain are indiscernible. In implementing the Proposed Action, the Authority would employ the practices and adhere to the guidance set forth in the documents listed below to avoid or reduce potentially adverse environmental impacts:

- FAA Advisory Circulars
  - 150/5320-5C, *Surface Drainage Design*
  - 150/5320-15A, *Management of Airport Industrial Wastes*
  - 150/5370-10C, *Standards for Specifying Construction of Airports*
- State Guidance
  - *Virginia Erosion and Sediment Control Handbook*<sup>1</sup>
  - *Virginia Stormwater Management Handbook*<sup>2</sup>
  - Virginia Pollutant Discharge Elimination System regulation
  - *Northern Virginia Best Management Practices Handbook*<sup>3</sup>
- County Guidance
  - Arlington County *Erosion and Sediment Control Handbook*<sup>4</sup>
- Authority Guidance
  - Metropolitan Washington Airports Authority, *Design Manual 2008*, Chapter 3. “Environmental Requirements”<sup>5</sup>

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<sup>1</sup> Virginia Department of Conservation and Recreation, 1992, [http://www.dcr.virginia.gov/soil\\_&\\_water/e&s-ftp.shtml](http://www.dcr.virginia.gov/soil_&_water/e&s-ftp.shtml) (accessed August 28, 2008)

<sup>2</sup> Virginia Department of Conservation and Recreation, 1999, [http://www.dcr.virginia.gov/soil\\_&\\_water/stormwat.shtml](http://www.dcr.virginia.gov/soil_&_water/stormwat.shtml) (accessed August 28, 2008)

<sup>3</sup> Northern Virginia Planning District Commission, 11-6-92, <http://www.novaregion.org/index.asp?NID=250> (accessed August 28, 2008)

<sup>4</sup> Arlington County, [http://www.arlingtonva.us/Departments/CountyBoard/CountyCode/Ch57\\_ErosionandSedimentControl.pdf](http://www.arlingtonva.us/Departments/CountyBoard/CountyCode/Ch57_ErosionandSedimentControl.pdf) (accessed August 28, 2008)

<sup>5</sup> Metropolitan Washington Airports Authority, [http://www.mwaa.com/news\\_publications/publications/2008\\_authority\\_design](http://www.mwaa.com/news_publications/publications/2008_authority_design) (accessed September 6, 2008)

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*Ronald Reagan Washington National Airport*

- Metropolitan Washington Airports Authority orders and instructions
- Project specific Storm Water Pollution Prevention Plan
- Erosion and sediment control plans approved by the Authority's Building Codes/Environmental Department
- 1978 Programmatic Memorandum of Agreement between the Federal Aviation Administration, the Virginia State Historic Preservation Officer, and the Federal Advisory Council on Historic Preservation