Appendix A

Meeting Coordination
Planning Agency Coordination Meetings

Philadelphia International Airport
Noise Compatibility Program Update

FAR Part 150 Noise Compatibility Program Update Report

Prepared by:
DMJM Aviation | AECOM

In association with:
Wyle
Portfolio Associates, Inc.
**MEETING NOTES**

<table>
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<tr>
<th>Subject:</th>
<th>PHL Part 150 Update Philadelphia City Planning Commission Coordination Meeting</th>
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<tr>
<td>Place:</td>
<td>AECOM</td>
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<tr>
<td>Date of Meeting:</td>
<td>December 17, 2009</td>
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| Attendees: | Bill Erickson  
|           | Jon Collette  
|           | Royce Bassarab  
|           | Lynn Keeley |
| Date Prepared: | January 8, 2010  
| Prepared By: | Lynn Keeley, AECOM |

**Purpose:**
The purpose of this meeting was to discuss the option of land use controls and land development controls in the City of Philadelphia as they pertain to the assessment of Land Use Management Alternatives in the PHL Noise Compatibility Program Update.

**Discussion:**

Royce Bassarab briefly explained the source of noise exposure in the Eastwick neighborhood of the City of Philadelphia in the 2013 Baseline Condition. Mr. Bassarab explained that arrivals to Runway 17, departures from Runway 35, and the extension of Runway 17/35 which was completed in February 2009 were the primary sources.

Mr. Bassarab noted that the study team is limited in ways to operationally address noise exposure over Eastwick, and that we have coordinated with the FAA Air Traffic Control Tower to ensure that we did not overlook any opportunity to reduce noise exposure through means such as flight management or flight frequency. Therefore, we are evaluating land use management measures including but not limited to, a residential sound insulation program, a purchase and resale program, and coordinating with local jurisdictions to consider amending comprehensive plans and zoning maps to promote compatible land uses, as well as encouraging Airport noise overlay zoning.

Mr. Collette inquired about the city’s building codes for new construction. Mr. Erickson noted that building codes are state mandated and can be very difficult to change. He suggested that the team check the appropriate codes to see if noise attenuation is included anywhere in the code.

For residential land use within the 65 dB DNL contour, Mr. Erickson indicated that he would prefer to create an overlay which would require that a letter to the Department of Licenses and Inspection be included in the building permit application so that developers know they are building within the 65dB DNL noise contour of PHL. Ideally no new construction in the 65 dB DNL contour is preferred. Another preference of the Philadelphia City Planning Commission would be to rezone land uses to compatible uses. However, this would need to be done with caution due to the current zoning definitions and whether the zoning change could be considered “a take.”
The noise sensitive features within the 65 db DNL contour are separate and distinct from the residential land uses. Mr. Erickson suggested that the facility use be considered in strategies to reduce noise exposure. The team agreed and noted that the schools and churches could be evaluated in an independent land use measure.

Mr. Erickson noted that there are several tools available on the internet to identify land ownership and status. Of particular note is the Philadelphia Bureau of Revision of Taxes which summarized land ownership, size, assessed value and tax payment status. Ms. Keeley noted that this information will be accessed as it is important to the land use management alternatives analysis.

There were no further questions and the meeting was adjourned.

**Further Action Items:**

**Distribution:**
- Attendees (See Sign-in Sheet)
  - C. Davenger
  - M. McCartney

**Attachments:**
- Agenda

**NOTE:** If attendees have any suggestions, please submit material within three (3) business days.
I. 2013 Future Baseline Noise Exposure Review

II. 2013 Noise Exposure in Eastwick
   a. Sources:
      i. Arrivals to RW 17 (20% east flow in 2013)
      ii. Departures from RW 35 (80% west flow in 2013)
      iii. RW 17/35 Extension (opened February 2009)

III. Noise Compatibility Program Alternatives relative to Eastwick
   a. Noise Abatement
      i. NA-A Evaluate the Feasibility of Runway Extensions
      ii. NA-B Displace Runway Thresholds
      iii. NA-C Evaluate Runway 17 Departure Headings
      iv. NA-D Preferential Runway Use
      v. NA-E Support the Development of CDA Procedures
      vi. NA-F Restrict Nighttime operations
      vii. NA-G Nighttime Runway Use Program
      viii. NA-H Restrict Operations by aircraft type/Noise certification level
   
   b. Land Use Management relative to Eastwick
      i. LU-A: Continue and expand the Residential Sound Insulation Program
      ii. LU-C: Develop and implement a purchase and resale program as a supplement to the Residential Sound Insulation Program
      iii. LU-D: Amend comprehensive plans and zoning maps to promote compatible land uses
      iv. LU-E: Support land use and development controls program
      v. LU-F: Encourage Airport noise overlay zoning
      vi. LU-G: Amend building codes to require soundproofing
      vii. LU-H: Disclose noise levels prior to contract for sale or lease
   
   c. Program Management relative to Eastwick
      i. PM-A: Establish a Noise Abatement Advisory Committee
      ii. PM-B1: Install Additional Permanent Noise Monitors
      iii. PM-B2: Enhance the Airport’s existing Noise Monitoring and Flight Tracking System by Acquiring a Multilateration System
      iv. PM-B3: Improve and Upgrade Web-Based Noise Information
Noise Compatibility Program Update

Agenda
PCPC Coordination Meeting
Thursday, December 17, 2009
10:00 AM

I. 2013 Future Baseline Noise Exposure Review

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      iii. PM-B2: Enhance the Airport’s existing Noise Monitoring and Flight Tracking System by Acquiring a Multilateration System
      iv. PM-B3: Improve and Upgrade Web-Based Noise Information
# MEETING MINUTES

**Subject:** PHL Part 150 Update Delaware County Planning Department Coordination Meeting  
**Place:** Delaware County Planning Department  
**Date of Meeting:** March 4, 2010  
**Attendees:** Thomas Shaffer, Sam Haber, Dennis DeRosa, Brendan Cotter, Jon Collette, Royce Bassarab, Lynn Keeley  
**Date Prepared:** March 11, 2010  
**Prepared By:** Lynn Keeley, AECOM

## Purpose:

The purpose of this meeting was twofold: 1) to discuss the status of the PHL Part 150 Noise Compatibility Program Update and 2) to discuss land use controls and land development controls in Delaware County as they pertain to the assessment of Land Use Management Alternatives in the PHL Noise Compatibility Program Update.

## Discussion:

Mr. Royce Bassarab (Wyle) briefly explained the FAR Part 150 Process and noted that we are updating a study that was completed in 2002 and approved in 2003.

Ms. Lynn Keeley (AECOM) explained that this study evaluates noise exposure for an existing condition and a five-year future condition. The 2008 Existing Baseline Noise Exposure Map and 2013 Future Baseline Noise Exposure Map were presented for reference. It was explained that the forecasted noise exposure for the 2013 future baseline condition includes significant impacts in Philadelphia County, but not in Delaware County. This differs from the last Part 150 study because of the recent extension of Runway 17-35 and the implementation of FAA's Airspace Redesign Program. Mr. Tom Shaffer (DelCo Planning) asked if these maps would be available to share with Delaware County residents who would be applying for building permits or other similar type permits. Mr. Bassarab explained that the Part 150 regulations do not require individual jurisdictions make the maps available, but that they could be kept at the County Planning Department for public reference once they are approved. Mr. Jon Collette (PHL) noted that the maps are currently under review at the FAA and that we are expecting approval shortly. The Airport is required to publish notice of the availability of the NEMs following FAA’s acceptance.

Mr. Bassarab explained that the team is currently evaluating ways to reduce noise exposure over incompatible land uses within the 65db DNL contour. This contour is the federally defined threshold of significance for noise impacts in Part 150 Studies as well as in federally sponsored Environmental Assessments or Environmental Impact Statements.
Mr. Bassarab noted that to address noise exposure and incompatible land uses, Part 150 studies typically evaluate noise abatement alternatives, land use management alternatives, and program management alternatives.

Mr. Bassarab explained that Noise Abatement Alternatives deal with aircraft movement (arrivals, departures, in-flight, taxiing, etc…) and that the team is currently evaluating which alternatives would be most effective in reducing noise exposure in the 65dB DNL contour. However, given the existing airfield configuration and flight patterns, there may not be many viable Noise Abatement Alternatives recommended for inclusion in the Noise Compatibility Program Update. Mr. Bassarab explained that the project is also evaluating alternatives that may benefit areas beyond the 65 dB DNL contour, but that these were not likely to be approved by the FAA under the guidelines of FAR Part 150.

Next, Ms. Keeley explained the Land Use Management Alternatives. Ms. Keeley noted that Land Use Management Alternatives are classified as preventative or corrective. An example of a corrective measure is the Residential Sound Insulation Program in Tinicum Township, Delaware County. This program was recommended in the previous Part 150 study and its implementation is ongoing. Preventative land use management measures could include coordinating with local jurisdictions to consider amending comprehensive plans and zoning maps to promote compatible land uses, and encouraging Airport noise overlay zoning.

Mr. Bassarab asked what, if any, land development controls were employed by the County. Mr. Sam Haber (DelCo Planning) noted that the county’s role is to assist municipalities in developing their comprehensive plans, some of which already have overlay districts. For instance, Mr. Haber noted that Tinicum Township has an airport overlay district, but it is focused on safety and obstructions. Furthermore, several municipalities are revising their comprehensive plans and may request new zoning ordinances. Mr. Haber noted that the County could suggest to municipalities that they restrict new incompatible land uses via zoning in future noise overlay districts.

Delaware County reviews all comprehensive plans before they are adopted, so having information like the noise exposure gradient maps, which go beyond the 65dbDNL contour, would benefit the municipalities as they revise their plans. Mr. Bassarab noted that sample language is likely to be included in the Part 150 NCP documentation. In advance of completion of the NCP document, Mr. Bassarab offered to provide Mr. Haber with sample language that has been employed in other comprehensive plans and sample language that could be used in developing noise overlay districts.

Mr. Haber noted that Tinicum Township is in the process of revising their zoning ordinance. The township has gone through the public review process and the revised ordinance is pending approval by the County. Mr. Dennis DeRosa explained that the Township has included Community Development Objectives (CDOs) as part of the new ordinance.

Mr. Bassarab asked if transfer development rights (TDRs) occurred in Delaware County. Mr. DeRosa noted that they haven’t been done in Delaware County but that they have been done in neighboring Chester County. The primary intent of TDRs is to preserve farmland/open space.

Next, Mr. Jon Collette explained the Program Management Alternatives that are being explored. These measures relate more to public awareness and pilot awareness through such means as the availability of real time flight information or through the formation of a noise
abatement advisory committee. Other program management alternatives include installing additional permanent noise monitors at locations yet to be determined, enhancing the Airport’s existing Noise Monitoring and Flight Tracking System by acquiring a multilateration system, improving and upgrading web-based noise information, continuing to develop the PHL Noise Office, continuing to develop an informal community noise awareness program, and continuing to develop and improve the Fly Quiet Program.

In conclusion, Mr. Shaffer asked if the SAC would convene more time. Mr. Bassarab confirmed that the SAC will meet once more and then the recommended NCP will be presented to the public for review and comment prior to submittal to the FAA for review and approval.

There were no further questions and the meeting was adjourned.

Further Action Items:

- Royce Bassarab to provide Delaware County with sample text for use in drafting comprehensive plans and noise overlay zones
- Delaware County to provide team with latest Tinicum Township zoning ordinance which is pending County approval

Distribution:
Attendees (See Sign-in Sheet)
C. Davenger
M. McCartney

Attachments:
Agenda
Sign-In Sheet

NOTE: If attendees have any suggestions, please submit material within three (3) business days.
I. 2013 Future Baseline Noise Exposure Review

II. 2013 Noise Exposure in Delaware County
   a. Sources:
      i. North Departure
      ii. West Departures
      iii. FAA’s Airspace Redesign Headings

III. Noise Compatibility Program Alternatives relative to Delaware County
   a. Noise Abatement
      i. NA-A Evaluate the Feasibility of Runway Extensions
      ii. NA-B Displace Runway Thresholds
      iii. NA-C Runway 35 Departures
      iv. NA-E Support the Development of CDA Procedures
      v. Alternative NA-J Maximize the Use of the River Corridor
      vi. Alternative NA-K Runway 27L & 27R Departures
      vii. Alternative NA-L RNAV Procedures
      viii. Alternative NA-O Minimize Use of Reverse Thrust
      ix. Alternative NA-P Encourage Reduced Use of Auxiliary Power Units
      x. Alternative NA-S Minimize Thrust/Drag Configurations
      xi. Alternative NA-T Intercept Extended Centerline at 3,000 Feet

   b. Land Use Management relative to Delaware County
      i. LU-D: Amend comprehensive plans and zoning maps to promote compatible land uses
      ii. LU-E: Support land use development controls program
      iii. LU-F: Encourage Airport noise overlay zoning
      iv. LU-G: Amend building codes to require soundproofing
      v. LU-H: Disclose noise levels prior to contract for sale or lease

   c. Program Management relative to Delaware County
      i. PM-A: Establish a Noise Abatement Advisory Committee
      ii. PM-B1: Install Additional Permanent Noise Monitors
      iii. PM-B2: Enhance the Airport’s existing Noise Monitoring and Flight Tracking System by Acquiring a Multilateration System
      iv. PM-B3: Improve and Upgrade Web-Based Noise Information

IV. Local Municipality Updates
   a. Comprehensive Plans
   b. Zoning Ordinances
Philadelphia International Airport - Noise Compatibility Program Update
Delaware County Planning Department – March 4, 2010– 1:30 pm
Government Center Building, Media PA

LIST OF ATTENDEES

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<thead>
<tr>
<th>NAME</th>
<th>ORGANIZATION</th>
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MEETING MINUTES

Subject: PHL Noise Compatibility Program Update
       Tinicum Township Coordination Meeting
Place: Tinicum Township Municipal Building
Date of Meeting: August 11, 2010
Attendees: See attached sign-in sheet
Date Prepared: August 31, 2010
Prepared By: L. Keeley AECOM

Purpose:

The purpose of this meeting was twofold: 1) to discuss the status of the PHL Part 150 Noise Compatibility Program Update and 2) to discuss Tinicum Township’s comprehensive planning, zoning, and land use control efforts, both in place and proposed, in order to prevent future incompatible land uses within the DNL 65 dB noise contour.

Discussion:

Mr. Jonathan Collette (PHL) explained that this study evaluates noise exposure for an existing condition and a five-year future condition. The 2008 Existing Baseline Noise Exposure Map (NEM) and 2013 Future Baseline NEM were presented for reference. Mr. Collette explained that the forecasted noise exposure for the 2013 future baseline condition includes noise-sensitive land uses in Philadelphia County, but not in Delaware County. This differs from the previous Part 150 study because of the recent extension of Runway 17-35 and the implementation of FAA’s Airspace Redesign Project.

Mr. Michael McCartney (PHL) noted that these maps have recently been approved by the FAA and are now the Airport’s official Noise Exposure Maps (NEM), replacing the maps developed in 2001 upon which the current residential sound insulation program (RSIP) in Tinicum was based.

Mr. Herb MacCombie (Tinicum Township) explained that he has been very involved in the current RSIP and knows that there are homeowners which have decided not to be in the program. Mr. MacCombie asked if it would be possible to use the money that was allocated for those homes to expand the program and include homes in Governors Landing, for instance. Mr. McCartney noted that this is a question for the FAA.

Mr. Thomas Giancristoforo, Jr. (Tinicum Township) reiterated this by asking that the airport be proactive and include homes west of Wanamaker Avenue in the current RSIP. Mr. McCartney explained that the limit of FAA funding eligibility (i.e. the 65 DNL contour) under the newly approved NEM is actually further away from Wanamaker Avenue than the previous NEM was, and that Wanamaker Avenue was actually outside the 65dB on the previous NEM.

Mr. Collette explained that given the federal funding constraints today, it is unlikely that the FAA will fund any residential sound insulation program outside of the 65 DNL contour. Mr. Giancristoforo then asked who the Township could talk to in the City of Philadelphia about
expanding and funding the current program. Mr. McCartney explained that Deputy Mayor Rina Cutler and Airport Chief Executive Officer Mark Gale would be the right contacts.

Mr. David Schreiber (Tinicum Township) inquired about the status of the RSIP. Ms. Keeley shared a spreadsheet of the homes within the eligible areas and the status of each. This information was provided by the Jones Payne Group who is managing the RSIP.

Ms. Lynn Keeley (AECOM) inquired about the status of the Tinicum Township comprehensive plan and zoning ordinance update. Mr. MacCombie explained that the Township's comprehensive plan is being updated and that the Township is close to approving the revised zoning ordinance, which includes an Airport District.

Ms. Keeley noted that the Community Workshops and Public Hearing dates are set. The Workshops will be in Paulsboro, NJ on August 30, 2010, Tinicum on August 31, 2010, and Eastwick on September 1, 2010. Additionally, the Public Hearing will be in Eastwick on September 1, 2010 concurrent with the Workshop.

A copy of the signed 2008 and 2013 Noise Exposure Maps were left with the Township officials for their use. A summary table of the proposed recommended measures was also left for the Township officials’ use.

There were no further questions and the meeting was adjourned.

Further Action Items:

- Lynn Keeley to provide Mr. Schreiber with the excel spreadsheet of the RSIP eligible properties and their status.

Distribution:
Attendees (See Sign-in Sheet)
C. Davenger

Attachments:
Agenda
Sign-In Sheet

NOTE: If attendees have any suggestions, please submit material within three (3) business days.
Purpose: The purpose of this meeting is to discuss Tinicum Township’s comprehensive planning, zoning, and land use control efforts both in place and proposed, in order to prevent future incompatible land uses within the DNL 65 dB noise contour. This meeting is being convened per FAR Part 150 section 150.21(b) which requires consultation with planning agencies whose jurisdiction is within the DNL 65 dB contour depicted on the NEMs.

AGENDA

I. PHL Noise Compatibility Program Update Overview

II. 2013 Future Baseline Noise Exposure

III. 2013 Noise Exposure in Tinicum Township

IV. Recommended Noise Compatibility Program Measures

V. Tinicum Township Update
   a. Comprehensive Planning
   b. Zoning
   c. Land Use Development Controls
Philadelphia International Airport - Noise Compatibility Program Update  
Tinicum Township Planning Meeting – August 11, 2010 – 4:30 pm  
Tinicum Township Building

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