

87th Air Base Wing

Integrity – Service - Excellence



Joint Base McGuire-Dix-Lakehurst (JBMDL) Air Installation Compatible Use Zone (AICUZ) Study

Public Open House – 31 Aug 22



Speaker Introductions & Agenda



- **Col (R) Mike Polhemus, Executive Director of the 305th Air Mobility Wing**
- **Mike Matheis, Director, 787th Civil Engineer Squadron**
- **Matt Bell, Deputy Director, 787th Civil Engineer Squadron**
- **Doug Miller, Chief of Planning, 787th Civil Engineer Squadron**
- **Gary Thompson, AICUZ Program Manager, Regional Planning Branch, Air Force Civil Engineer Center (AFCEC)**
- **Matt Butwin, Project Manager, Prospect Hill Consulting**

Start Time	Activity
5:00 p.m.	Welcome & Presentation
5:30 p.m.	Open House Booths & Press Interviews
7:00 p.m.	Adjourn



Housekeeping



- Please contact JBMDL 87 ABW Public Affairs at 609-754-2104 or 87.ABW.PA@us.af.mil with any additional questions or hold for the open house booths after the presentation.
- The open house materials are available online at <https://www.jbmdl.jb.mil/About-Us/AICUZ/>
- Following the presentation, we will break to the booths for you to speak with subject matter experts individually. *Please save your questions for the booths.*
 - We would like to ask that the sound function of all cell phones and mobile devices be turned off until the conclusion of this meeting.
 - So that everyone can hear what is being said, please refrain from talking among yourselves throughout the briefing.
 - And finally, in the unlikely event of an emergency, if exit is necessary, please do so in an orderly manner through the doors you came in.



Purpose of the AICUZ Study



- The goal of the AICUZ Program is to protect the health, safety, and welfare of those living and working near air installations while sustaining the military’s operational mission.
- To accomplish this goal, the AF provides the AICUZ Study to aid in development of local planning mechanisms that will protect the public safety and health, as well as preserve the operational capabilities of JBMDL.
 - The AICUZ footprint for JBMDL defines the area within which land use controls are needed and recommended.





Why was the AICUZ Study updated?



- **The primary changes since the previous AICUZ Study that necessitate this update include:**
 - **Changes in off-installation land use and/or projected land use.**
 - **Updated noise contour for JBMDL – McGuire related to the MOB 4 EIS (only slight changes in noise contour shape and size).**
 - **Update of Air Force Instruction (AFI) 32-7063 to AFI 32-1015 (published in July 2019 and revised in January 2021).**
 - **Inclusion of the Hazards to Aircraft Flight Zones (HAFZ).**



The Planning Process



- **The planning process for the AICUZ Study update included four major steps:**
 - **Data Gathering: Gathering data related to on- and off-base activities, to include:**
 - general air operations,
 - general range operations,
 - noise abatement procedures,
 - land use and zoning, planned development, and
 - changes since the previous AICUZ Study
 - **Analysis: Assessing land use compatibility within the AICUZ footprint (noise zones, Clear Zones, and Accident Potential Zones) based on Air Force land use compatibility recommendations**
 - **Review: Review by Air Force subject-matter experts**
 - **Public Outreach: Continuing public outreach via the public open house today, educational materials, and ongoing installation-community collaboration**



AICUZ VIDEO



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Booth #1 – Installation Mission and Context Intro



■ Mission:

- With Air Force, Army and Navy missions, JBMDL is the only tri-service joint base.
- 87 ABW is the host unit with more than 80 mission partners

■ Location:

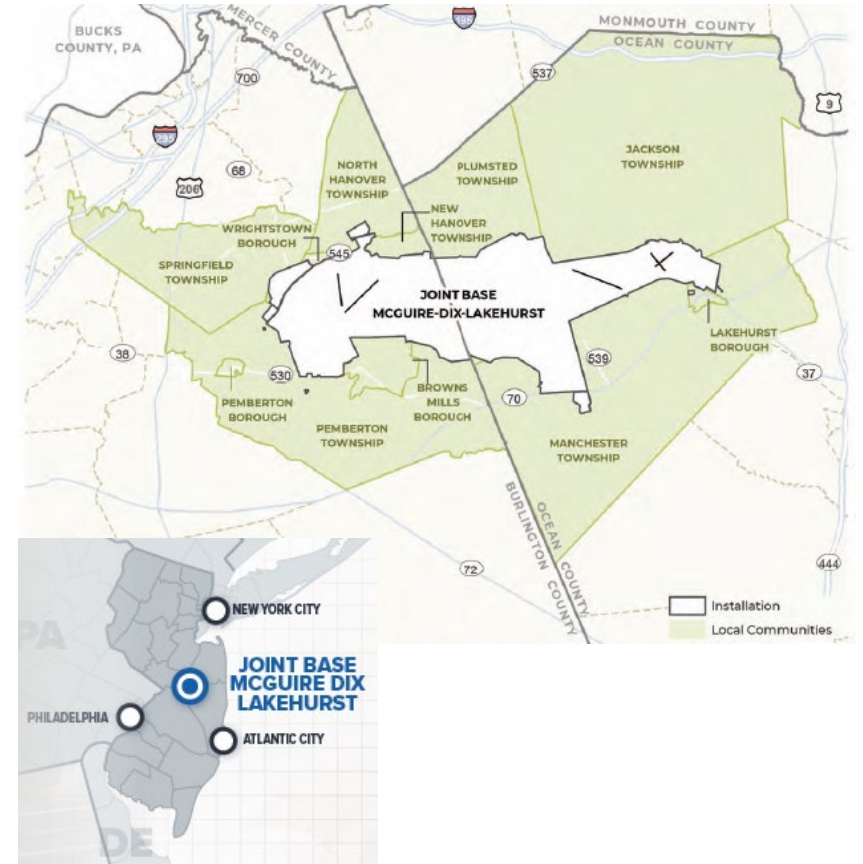
- Spanning portions of both Burlington and Ocean Counties in central New Jersey
- 42,000 acres of land

■ Economic Impact:

- JBMDL is largest employer in the State of New Jersey
- \$4.8 billion in total annual economic impact

■ History:

- Former McGuire AFB, Fort Dix and Naval Air Engineering Station Lakehurst merged in October 2009.





Booth #2 – Airfield and Range Operations



- **Annual Aircraft Operations**
 - Both JB MDL – McGuire and JB MDL – Lakehurst
 - Annual estimates were inputs into noise model that generated the noise contours
 - JB MDL – McGuire operations incorporates the transition from KC-10 to KC-46 aircraft
- **Range Operations**
 - Large-Caliber Rounds fired annually
 - Small-Arms Rounds fired annually

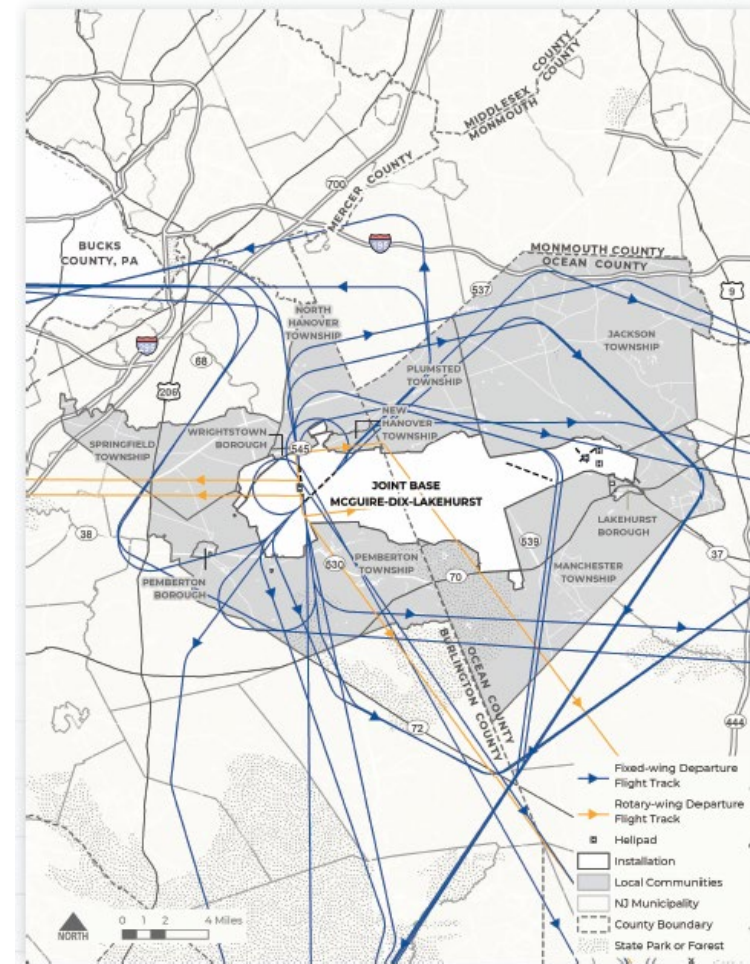


Booth #3 – Aircraft Flight Tracks



■ Flight Tracks

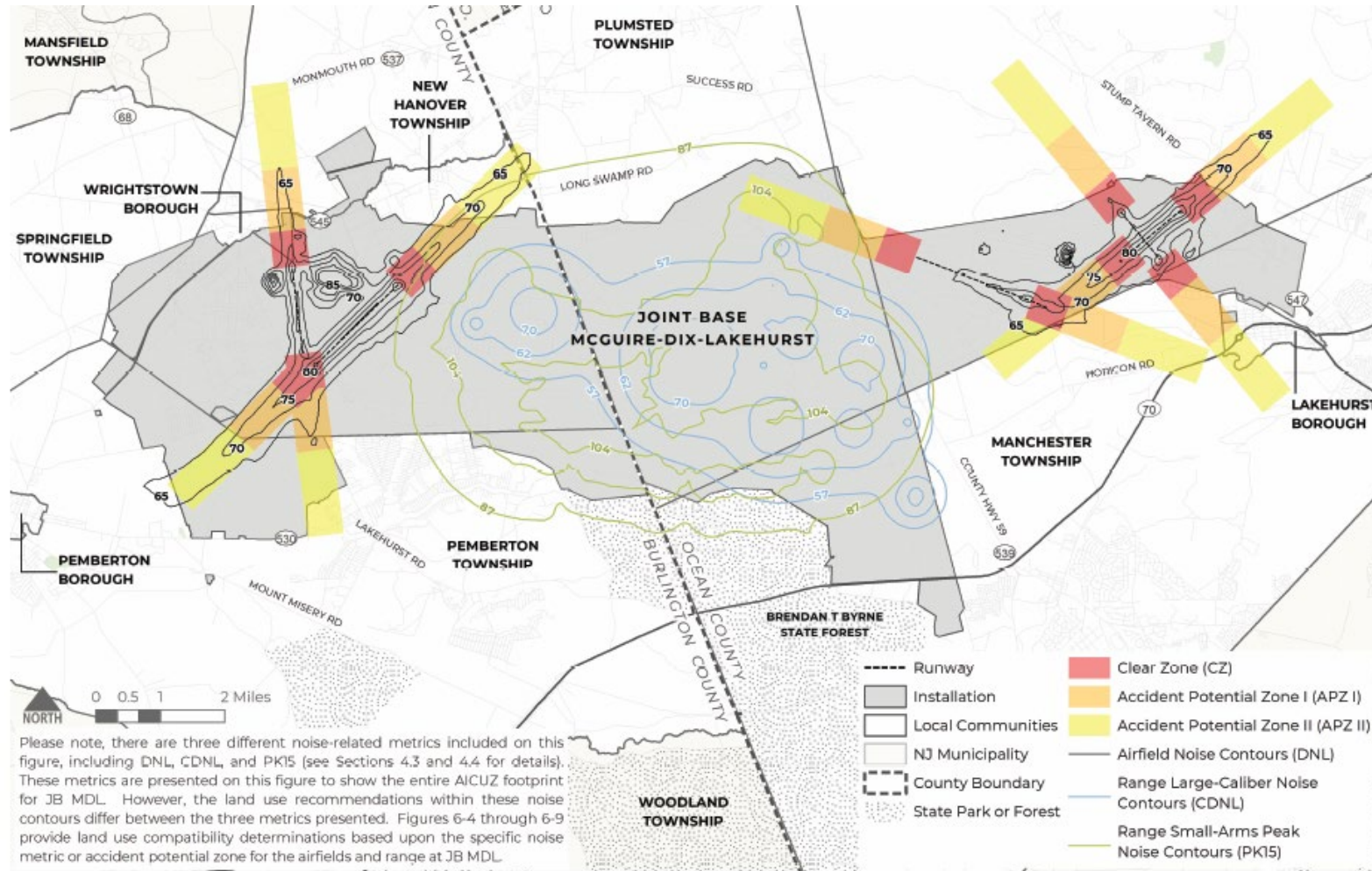
- Typical Departure, Arrival, Pattern and Interfacility flight tracks for both JB MDL – McGuire and JB MDL – Lakehurst
- Flight tracks are not “highways in the sky” but are generally where aircraft flight patterns are intended.
- Flight tracks are one of the many inputs into the noise model



Typical Departure Flight Tracks for JB MDL - McGuire



Booth #4 – Composite AICUZ Map





Booth #5 – AICUZ Program Overview



- **Overview:** Balances the needs of military operations with community concerns while seeking development that is compatible with the defense flying mission
- **Noise Metrics & Contours:** Defines aircraft noise exposure and range noise
- **Clear Zones and Accident Potential Zones:** define the areas where an aircraft accident is likely to occur, should one occur
- **Land Use Compatibility:** recommend that noise-sensitive land uses be placed outside of high noise zones and people-intensive uses not be placed within APZs
 - *Aircraft noise and safety compatibility table here, but there are also tables for Large-Caliber and Small-Arms noise.*

Generalized Land Use Category	Noise Zone (dB DNL)						CZ	APZ I	APZ II
	<65	65-70	70-75	75-80	80-85	85+			
Residential	Yes	No ²	No ²	No	No	No	No	No	No ³
Commercial	Yes	Yes	Yes ⁴	Yes ⁴	No	No	No	Yes ⁴	Yes ⁴
Industrial	Yes	Yes	Yes	Yes	Yes ⁴	No	No	Yes ⁴	Yes ⁴
Public/Quasi-Public	Yes	Yes ⁴	Yes ⁴	Yes ⁴	No	No	No	No	Yes ⁴
Resource Production and Extraction	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Open/Agriculture/Low-Density	Yes	Yes ⁴	Yes ⁴	Yes ⁴	Yes ⁴	Yes ⁴	No	Yes ⁴	Yes ⁴
Transportation/Communication/Utilities	Yes	Yes	Yes	Yes	Yes	No	No	Yes ⁴	Yes
Vacant/Undeveloped	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



Booth #6 – Roles and Responsibilities



- **Department of Defense:** Land development should be compatible with noise zones, Clear Zones (CZs), and Accident Potential Zones (APZs); this is JBMDL's requirement, but can only advise outside of the installation boundary
- **Local Governments:** Enacting compatible planning, zoning, and development principles can strengthen the community's relationship with the base
- **Community:** The land and economic development community and local citizens can support AICUZ implementation by staying informed and engaged



Conclusion



- **The military plays an important economic role in the State of New Jersey and the local community**
- **Throughout the decades, JBMDL has enjoyed substantial and ongoing support from the local community culminating in a relationship of mutual respect and cooperation between the community and base.**
- **Encroachment related to both military actions that impact community members and community actions that impact military operations have rarely occurred.**
- **Continuing this positive relationship is the goal, in hopes of long-term benefits to both the community and JBMDL.**
- **Preventing encroachment will result in mission sustainment, protection of public safety and protection of the taxpayer's investment in national defense and the economic benefits to the neighboring communities generated by JBMDL activities and employment.**



Open House Q&A



- **Booths: Ask additional questions on the following topics to each respective booth lead:**
 - **Booth #1: Installation Mission and Context Intro**
 - **Booth #2: Airfield and Range Operations**
 - **Booth #3: Aircraft Flight Tracks**
 - **Booth #4: Composite AICUZ Map**
 - **Booth #5: AICUZ Program Overview**
 - **Booth #6: Roles and Responsibilities**
- **Following the presentation, we will break to the booths for you to speak with subject matter experts individually. *Please save your questions for the booths.***
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