Military Compatibility Development Checklist – City of Warren

Definition

The Compatibility Checklist is a tool that helps the Warren Planning Department ensure the completeness of an assessment for a project located within an area that potentially impacts a military operational area.

Purpose

The Compatibility Checklist helps the city community planner effectively identify planning issues and aspects that are unique to military operations in a rural context where there may be a minimal planning framework. It covers topics related to coordination with the military installation and public notification as applicable, as well as technical topics including:

- Land use – impacting military compatibility areas, military overflight areas, ground training areas, etc.
- Vertical Obstructions – impacting pilot and citizen safety, airfield imaginary surfaces/military airspace operating areas, airfield radar and weather radar systems
- Bird/Wildlife Aircraft Strike Hazard (BASH) – impacting pilot and aircraft safety during aviation activities including landings, takeoffs and flight operations in the surrounding airspace
- Outdoor Lighting – impacting military operations including aircraft flight and nighttime training operations
- Alternative Energy – impacting military airspace operating areas, aircraft radar, airfield radar and weather radar systems
- Frequency Spectrum – impacting aircraft radar, ARS, weather radar and/or other electronic systems

Key Issues

The Compatibility Checklist is only intended as a guide. Planners using the checklist must ensure thorough coordination and communication with all potentially affected military and other organizations to ensure a complete assessment of the development/project potential impacts and identification of possible solutions.

Roles and Responsibilities

Community Planner's Role. The city community planner should assess and evaluate the proposed development/project to identify any potential impacts to military installations and/or military operating areas. By establishing lines of communication in advance with the military installation staff and other affected organizations, the planning process will proceed more efficiently with improved outcomes.

Implementation and Maintenance

Implementation. The Compatibility Checklist should be implemented as a matter of course anytime a proposed development/project is located in an area where there is a military installation and/or military operating area. Where responses to checklist items indicate the potential for incompatibility with a military installation and/or military operating area, the planner should ensure the military and other affected organization are made aware of the concern. Additional coordination and/or actions may be required to prevent any incompatible development.

Maintenance. The Compatibility Checklist should be reviewed periodically by the city community planner who should also coordinate with the military installation for any new information that should be incorporated into the checklist.

Military Compatibility Development Checklist

Land Use		
1A	Does the planning action propose to: • Change the zoning map? • Change permitted land uses? • Construct a telecommunications tower, wind turbine or turbine array or other type of tower? • Approve new major subdivision preliminary plats? • Increase the size of an approved subdivision by more than fifty percent (50%) of the subdivision's total land area including developed and undeveloped land?	 ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No
1B	If yes to any of the above in 1A, has the public hearing been scheduled?	☐ Yes ☐ No
1C	Has notice of the proposed action been sent to the military installation in accordance with process agreed to by the community and military?	☐ Yes ☐ No
1D	Has a response been received from the military installation on the planning action?	☐ Yes ☐ No
1E	Does the development propose: • Any impacts that might interfere with safe pilot navigation? • Any unique electrical requirements that may create interference with navigational signals or radio communications between an aircraft and air traffic control or military radar line-of-sight requirements? • Generate smoke, fumes or glare that can impact pilot visibility during take offs or landings?	 ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No
1F	For development within the areas listed in 1E, has the military been notified of the intent to take action, prior to a decision?	☐ Yes ☐ No
Vertical Obstructions – see Figure 1 City of Warren MCAOD Overlay		
2A	Is the proposed action located within the Vertical Obstructions Military Compatibility Area (MCA) as shown on the MCAOD Overlay and does it include the construction of a: • Structure? • Tower? • Wind turbine? (Single) • Wind turbine array? (More than one) • Temporary structure such as a construction crane? • Amusement Park rides? • Other tall object?	 ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No
2B	If yes to any of the above in 2A, what is the maximum height of the structure?	____ Ft. AGL
2C	If yes to any of the above in 2A, what is the minimum altitude for aircraft operating in that airspace?	____ Ft. AGL
2D	Has the application for the permit received a Federal Aviation Administration Obstruction Evaluation?	☐ Yes ☐ No
2E	If the FAA determination is included with the permit application, is it a Determination of No Hazard to Air Navigation?	☐ Yes ☐ No
BASH – see Figure 1 City of Warren MCAOD Overlay		
3A	Is the proposed action located within the BASH MCA as shown on the MCAOD Overlay?	☐ Yes ☐ No
3B	If yes to 3A, does the proposed action include construction of a solid waste landfill (new solid waste landfills are prohibited within the BASH MCA)?	☐ Yes ☐ No
3C	If yes to 3A, does the proposed action include construction of a solid waste landfill transfer station and does the facility comply with the following: • Is the facility is fully enclosed with trash located behind closed doors? • Is the solid waste processed using compaction, incineration or similar operation? • Is the solid waste conveyed to and from the facility using enclosed vehicles? • Is any solid waste stored outside the enclosed facility or is it accessible to wildlife?	 ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No

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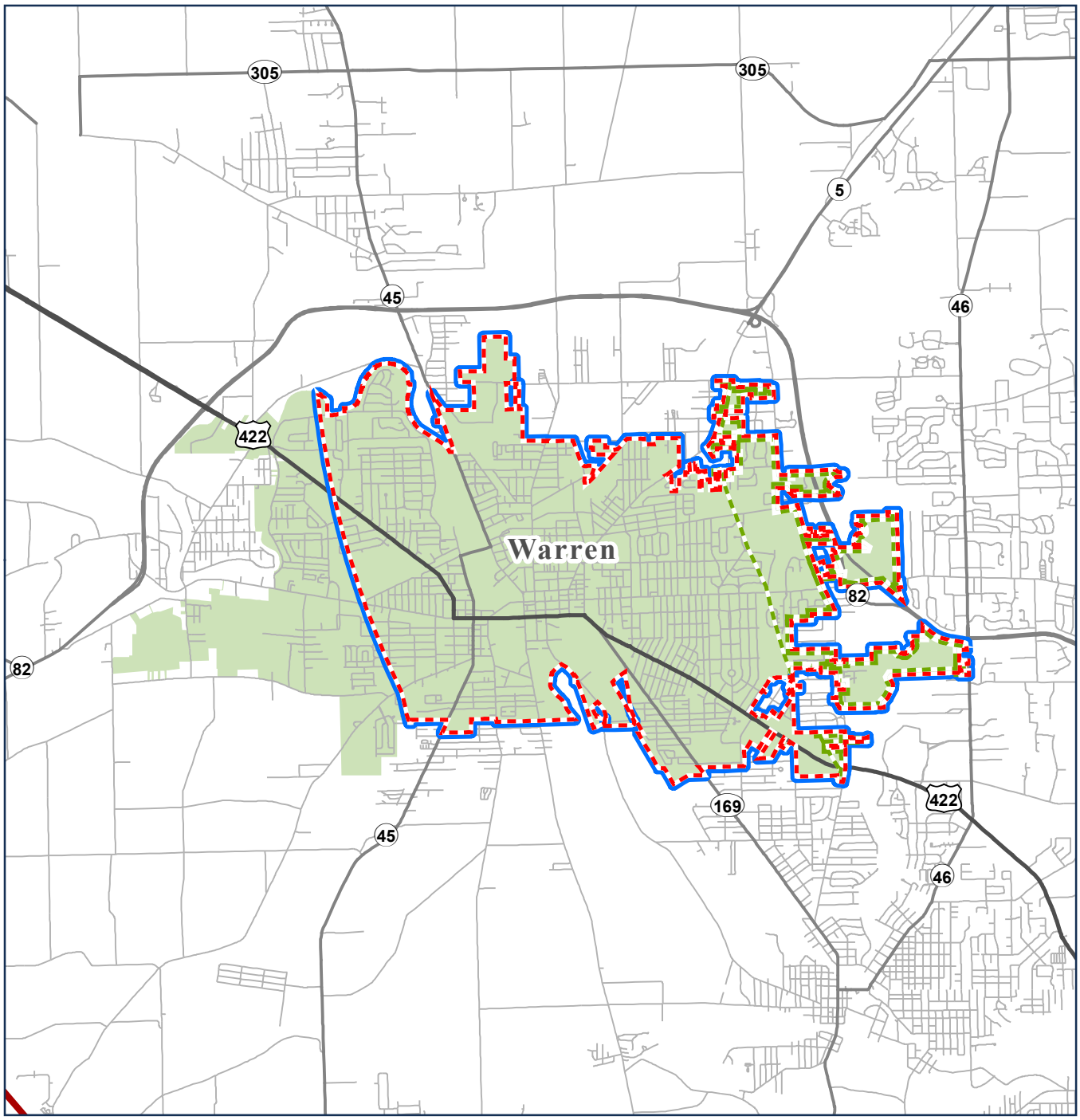
	• Are odors associated with the solid waste controlled using ventilation/filtration systems?	☐ Yes ☐ No
3D	If yes to 3A, does the proposed action include construction of a wastewater management facility, associated settling ponds or an artificial marsh (new wastewater management facilities and artificial marshes are prohibited)?	☐ Yes ☐ No
3E	If yes to 3A, does the proposed action include the construction of water management facilities including: • Potable water intake and treatment systems? • Stormwater storage/treatment facilities? • Bodies of water used for retention, settling, recreation or mining activities? • Other natural or manmade stagnant open bodies of water such as ponds?	 ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No
3F	If yes to 3A, does the proposed action include the construction of: • Confined livestock operations that may attract flocks of birds? • Outdoor aquaculture operations that are not fully enclosed? • Golf course water traps that do not include provisions to deter bird and other wildlife?	 ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No
Outdoor Lighting		
4A	Does the proposed action include any unique lighting requirements or lack of requirements that may make it difficult for pilots to distinguish airport lights from other lights or otherwise create an unsafe flight condition?	☐ Yes ☐ No
4B	Does the proposed action include any unique lighting requirements that could interfere with the effective use of night vision googles?	☐ Yes ☐ No
4C	Does the planned outdoor lighting conform to the guidelines in the Military Compatibility Area Overlay District?	☐ Yes ☐ No
Renewable Energy		
5A	Does the proposed action include a utility scale (10MW or greater) alternative energy facility or structure, including solar energy or wind energy ?	☐ Yes ☐ No
5B	If yes to 5A, has the proposed project been coordinated with the DoD Military Aviation and Installation Assurance Clearinghouse and has a military compatibility evaluation been provided?	☐ Yes ☐ No
5C	If the proposed action is for a solar energy facility, does it include a glare analysis in accordance with FAA requirements?	☐ Yes ☐ No
Frequency Spectrum		
6A	Does the proposed action generate radio frequency interference/electromagnetic interference from uses such as: • Communication towers? • Wind turbine or wind turbine array? • Medical equipment? • Research labs? • Industrial facilities? • High voltage lighting? • Broadband transmitters?	 ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No
6B	What is the proposed radio/communication frequency usage associated with the structure, if any?	_____
6C	Has the proposed radio/communication frequency changed since review and approval by the State and FAA? *If yes, notify the impacted military installation prior to permit issuance.*	☐ Yes ☐ No



MCAOD Overlay
Vertical Obstructions MCA
BASH MCA
Warren
Interstate
US Route
State Route
Local Roads

This map is for planning purposes only and should not be considered legally accurate

Matrix

0 ¼ ½ ¾ 1 1¼ 1½ 1¾ 2 Miles

Source: U.S. Geographic Survey, 2019; Ohio Dept. of Transportation, 2019; Youngstown Air Reserve Station, 2018.