Fairbanks International Airport AeroNexus® www.fai.alaska.gov	**Integrated Pest Management Plan**

IPM Plan Effective Dates:	June 1, 2020 – May 31, 2022
Management Area Name/Location:	Fairbanks International Airport (FAI) Fairbanks, Alaska
General Site Description:	Runways, perimeter fencing, and airport operation signs and lights
Land Uses:	International Airport
Name of Person in Charge:	Katrina LeMieux, FAI Environmental Manager
Certified Applicator Name(s):	Christian Tapp, Frank Walter
Certification Numbers (respectively):	9969-1609-9, 10395-2207-9

1. Action Thresholds

Check the types or categories of pests that might present a problem or need to be controlled at this management site:

✓	Category
✓	**Vegetation**
✓	**Insects**
	Fungus
	Rodents
	Other (describe below)

For each pest category listed above, describe the level at which the pest becomes a problem which requires control measures to be taken.

Vegetation:

- Vegetation in a 3 foot radius circle around each pole should be eradicated to prevent damage to poles and allow for visual inspection.
- All vegetation should be managed to allow for visible examination of security fences and to prevent deterioration of paved surfaces.

Insects:

- Application of a pesticide will occur when Field Maintenance staff determine pest has reached appropriate size for treatment. The FAI Pest Monitoring Inspection Form will be utilized to make this determination.

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Describe record keeping procedures:

Pest management records will be kept at the Field Maintenance office with copies at the Environmental Program office. Information will be recorded for future reference and to help guide control decisions.

A record of each inspection will include the date, locations, and extent of pest presence.

A record of each control applied will include the date, location, and details about the control that was applied.

A record of each re-inspection following use of a control method will include the date, location, evaluation of how effective the control was in reaching the target control levels, and recommendations for follow up actions.

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3. Prevent Pests

For each pest category listed under Section 1, describe preventative measures that will be taken:

Vegetation will be managed mechanically where ever possible. This includes mowing, cutting with string cutters and hand pulling.

Vegetation in FAI's movement area infields is maintained at lengths no taller than 6 inches between May and September, with 1-3 grass cuttings per year, depending on need. Shorter grass is shown to harbor fewer grasshoppers.

How often will preventative measures be applied?

Grass cutting on the infield occurs 1-3 times per year depending on need.

Fence lines, airport signage, and other barriers critical to security of the active movement area are monitored daily. Airport Operations staff continuously check the airfield and security infrastructure as required by FAA standards.

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4. Control Measures

For each pest category listed under Section 1, list potential non-chemical control measures that may be used:

Cultural Controls:	Not applicable

Mechanical Controls:	Vegetation at the base of poles, fence lines, airfield lights, and around signage may be pulled by hand, mowed, or cut with string trimmers. This is likely to be the most effective choice if vegetation growth is minimal to moderate. Proper management of grassland through mowing will minimize the preferred habitat of grasshoppers.

For each pest category listed under Section 1, describe the characteristics needed in any chemical controls that may be used:

Vegetation: Chemical must be post emergent, systemic herbicide that provides broad spectrum control of many annual and perennial weeds, woody brush and small trees.

Grasshoppers: Contact, fumigant, residual, systemic or ingested.

For each pest category listed under Section 1, list potential chemical controls that may be used:

Target Pest	Product Name	EPA Registration Number
Grasses Woody Brush	Crossbow	62719-260
Grasshoppers	Sevin SL	432-1227

Describe how treated areas will be re-inspected and evaluated for effectiveness of controls:

Following application of controls (cultural, mechanical, or chemical), a certified applicator will re-inspect each treated area to determine if the applied controls achieved the target control level.

A certified applicator will evaluate the effectiveness of controls. If control actions did not achieve the target control level, the certified applicator will recommend modifications or additional controls.