

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KINGS LAND O' LAKES	KLNL	LAND O' LAKES	WI	5	7 OCTOBER 2021

TAKEOFF MINIMUMS:

RWY 5, 23: NA - ENVIRONMENTAL.

RWY 14: STANDARD.

RWY 32: 300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 2000.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, POLE 10 FT FROM DER, 47 FT LEFT OF CENTERLINE, 3 FT AGL/1705 FT MSL.

VEHICLES ON ROAD AND FENCE BEGINNING 11 FT FROM DER, 260 FT LEFT OF CENTERLINE, UP TO 1724 FT MSL.

VEGETATION 15 FT FROM DER, 121 FT RIGHT OF CENTERLINE, 1706 FT MSL.

TREE 48 FT FROM DER, 423 FT RIGHT OF CENTERLINE, 1754 FT MSL.

TREES, FENCE, VEHICLES ON ROAD, SIGN, POLES, AND TRANSMISSION LINE BEGINNING 96 FT FROM DER, 31 FT LEFT OF CENTERLINE, UP TO 1769 FT MSL.

TREES AND BUILDING BEGINNING 122 FT FROM DER, 21 FT RIGHT OF CENTERLINE, UP TO 1757 FT MSL.

TREES BEGINNING 571 FT FROM DER, 72 FT RIGHT OF CENTERLINE, UP TO 1758 FT MSL.

TREES BEGINNING 1124 FT FROM DER, 17 FT RIGHT OF CENTERLINE, UP TO 1760 FT MSL.

TREES BEGINNING 1187 FT FROM DER, 33 FT RIGHT OF CENTERLINE, UP TO 1774 FT MSL.

TREES BEGINNING 1758 FT FROM DER, 83 FT RIGHT OF CENTERLINE, UP TO 1781 FT MSL.

TREE 4729 FT FROM DER, 671 FT RIGHT OF CENTERLINE, 1824 FT MSL.

NOTE: RWY 32, TERRAIN 5 FT FROM DER, 265 FT RIGHT OF CENTERLINE, 1706 FT MSL.

VEGETATION BEGINNING 60 FT FROM DER, 190 FT LEFT OF CENTERLINE, UP TO 1715 FT MSL.

FENCE 129 FT FROM DER, 105 FT RIGHT OF CENTERLINE, 4 FT AGL/1709 FT MSL.

BUILDING 164 FT FROM DER, 495 FT RIGHT OF CENTERLINE, 13 FT AGL/1721 FT MSL.

TREE 198 FT FROM DER, 296 FT LEFT OF CENTERLINE, 1719 FT MSL.

TREE 222 FT FROM DER, 485 FT LEFT OF CENTERLINE, 1721 FT MSL.

TREES AND VEHICLES ON ROAD BEGINNING 250 FT FROM DER, 32 FT LEFT OF CENTERLINE, UP TO 1771 FT MSL.

TREES, VEGETATION, POLES, TOWER, AND VEHICLES ON ROAD BEGINNING 311 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 1799 FT MSL.

TREES AND POLES BEGINNING 544 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 1785 FT MSL.

TREES, POLES, BUILDINGS, TOWERS, ANTENNA, AND FENCE BEGINNING 656 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 1801 FT MSL.

TREES AND POLE BEGINNING 933 FT FROM DER, 43 FT LEFT OF CENTERLINE, UP TO 1790 FT MSL.

TREES, POLES, AND STACK BEGINNING 1006 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 1800 FT MSL.

TREES AND BUILDINGS BEGINNING 1538 FT FROM DER, 0 FT LEFT OF CENTERLINE, UP TO 1801 FT MSL.

TREES BEGINNING 1584 FT FROM DER, 0 FT RIGHT OF CENTERLINE, UP TO 1812 FT MSL.

TREES BEGINNING 2102 FT FROM DER, 70 FT LEFT OF CENTERLINE, UP TO 1803 FT MSL.

TREES BEGINNING 2195 FT FROM DER, 55 FT LEFT OF CENTERLINE, UP TO 1805 FT MSL.

TREES BEGINNING 2317 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 1812 FT MSL.

TREE 5499 FT FROM DER, 1769 FT RIGHT OF CENTERLINE, 1847 FT MSL.

TREE 5596 FT FROM DER, 1779 FT RIGHT OF CENTERLINE, 1852 FT MSL.

TREES BEGINNING 5620 FT FROM DER, 1552 FT RIGHT OF CENTERLINE, UP TO 1867 FT MSL.

TREES BEGINNING 5813 FT FROM DER, 1528 FT RIGHT OF CENTERLINE, UP TO 1877 FT MSL.

TREES BEGINNING 5848 FT FROM DER, 1372 FT RIGHT OF CENTERLINE, UP TO 1879 FT MSL.

TREES BEGINNING 5967 FT FROM DER, 747 FT RIGHT OF CENTERLINE, UP TO 1890 FT MSL.

TREE 1.1 NM FROM DER, 720 FT RIGHT OF CENTERLINE, 1881 FT MSL.

CONTROLLING OBSTACLES:

RWY 32: 1890 FT MSL TREE 461029.71N/0891328.55W (CLIMB GRADIENT, CLIMB GRADIENT TERMINATION ALTITUDE, CEILING), 1881 FT MSL TREE 461028.31N/0891350.05W (VISIBILITY).

QUALITY
21
CHECKED

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KINGS LAND O' LAKES	KLNL	LAND O' LAKES	WI	5	7 OCTOBER 2021

REMARKS:

FLIGHT INSPECTED BY

SCOTT WIEBE

Digitally signed by

JASON KRETSCHMER

Jul 15, 2021

OFFICE

FICO

DATE

06/25/2021

DEVELOPED BY

JASON KRETSCHMER (DANIEL
JOHNSEN)

Digitally signed by

JASON KRETSCHMER

Jan 21, 2021

OFFICE

AJV-A421

DATE

10/28/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Jan 21, 2021

OFFICE

AJV-A420

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, AMGR

CHANGES - REASONS:

1. CHANGED RWY 5, 23 TAKEOFF MINIMUMS FROM "NA - OBSTACLES" TO "NA - ENVIRONMENTAL" -- TURF RUNWAY.
2. CHANGED RWY 32 MINIMUMS FROM "STANDARD" TO "300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 2000" -- NEW CONTROLLING OBSTACLES.
3. REMOVED RWY 14 CONTROLLING OBSTACLE -- STANDARD TAKEOFF MINIMUMS AND TARGETS EVALUATION IDENTIFIES VEHICLES ON THIS ROAD AS LOW CLOSE-IN OBSTACLES.
4. UPDATED TAKEOFF OBSTACLE NOTES -- NEW OIS SURVEY.
5. UPDATED RWY 32 CONTROLLING OBSTACLES FROM "1820 MSL TREE, 1770 TREES, 1764 TREES, 1833 TANK" TO "1890 FT MSL TREE, 1881 FT MSL TREE" -- NEW OIS SURVEY.

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