

**U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
HOT SPRINGS, SD	HOT SPRINGS MUNI		1

**TAKEOFF MINIMUMS:**

RWY 6, 24, NA-ENVIRONMENTAL.

RWY 1, 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 3700.

RWY 19, 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 3600.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 1 – CLIMB HEADING 026.00 TO 4700 BEFORE TURNING WESTBOUND.

RWY 19 – CLIMB HEADING 191.63 TO 4700 BEFORE TURNING WESTBOUND.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 1, TERRAIN 55 FT FROM DER, 468 FT RIGHT OF CENTERLINE, 3144 FT MSL. VEHICLE ON ROAD BEGINNING 312 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/3154 FT MSL. TREES BEGINNING 528 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/3239 FT MSL. TREES 2.1 NM FROM DER, 3246 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/3519 FT MSL.**

**NOTE: RWY 19, VEHICLE ON ROAD BEGINNING 5 FT FROM DER, 369 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/3161 FT MSL. VEHICLE ON ROAD BEGINNING 407 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/3166 FT MSL. POLES BEGINNING 607 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/3181 FT MSL. MULTIPLE TREES AND POLES BEGINNING 1875 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/3281 FT MSL. BUILDINGS 3031 FT FROM DER, 149 FT LEFT OF CENTERLINE, UP TO 20 FT AGL/3230 FT MSL. FENCE BEGINNING 3033 FT FROM DER, 559 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/3236 FT MSL. RISING TERRAIN BEGINNING 3477 FT FROM DER, 545 FT LEFT OF CENTERLINE, UP TO 3241 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 764 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/3489 FT MSL. POWER LINES BEGINNING 1.4 NM FROM DER, 166 FT LEFT OF CENTERLINE, UP TO 120 FT AGL/3440 FT MSL.**

**CONTROLLING OBSTACLES:**

RWY 1: 3519 FT MSL TREE 432436.59N/1032248.30W.

RWY 19: 3469 FT MSL TREE 432013.09N/1032413.10W, 3489 FT MSL TREE 431936.48N/1032359.06W.

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1 – 4659 FT MSL AAO 432701.42N/1032534.81W. RWY 19 – 4518 FT MSL AAO 431819.60N/1033124.00W.**

QUALITY  
CHECKED

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**REMARKS:**

100 FT VEGETATION USED PER FPT.

**FLIGHT INSPECTED BY:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

JILL OLSON (MARK BURTZ)                      AJV-353                      2/28/2012

**APPROVED BY:**

LARRY STROUT                      AJV-353

**COORDINATED WITH:**

ALPA, AOPA, NBAA, ZBV, AMGR.

**CHANGES:**

1. CHANGED RWY 1, 19 TAKEOFF MINIMUMS FROM RWY 1: 300-1 OR STANDARD WITH MINIMUM CLIMB OF 360 FT PER NM TO 5000 TO 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 3700. RWY 19: FROM 300-2 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 5000 TO 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 3600.
2. LOWERED TEXTUAL DP TERMINATION ALT FROM RWY 1, 19 5000, TO RWY 1, 19 4700.
3. CHANGED HEADING ON RWY 1, FROM RWY HEADING TO 026.00 AND RWY 19 FROM RWY HEADING TO 191.63.
4. ADDED LOW CLOSE-IN OBSTACLE NOTES RWY 1, 19.
5. ADDED RWY 6/24 NA-ENVIRONMENTAL.

**REASONS:**

- 1, 2. PER CURRENT EVALUATION.
3. RUNWAY HEADING NO LONGER AUTHORIZED IN TEXTUAL DP INSTRUCTIONS.
4. PER 8260.46D, TABLE 1.
5. TURF RUNWAY – IFR OPERATIONS NOT AUTHORIZED.

