

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BL-890424AI  
FAC ID: 21416  
Call Sign : KNTR - KRPI

LICENSEE: Ferndale Radio Partnership

1. Community of License. . . : Ferndale, Washington  
2. Transmitter location. .... : 0.1 mi S. of Douglas  
Rd., on E. side of  
Imhoff Rd., Ferndale, WA  
North Latitude. .... : 48° 50' 35"  
West Longitude. .... : 122° 36' 05"

6. Antenna and ground system:  
Attached

3. Transmitter(s): Type Accepted. See Sections 73.1660,  
73.1665 and 73.1670 of the Commission's rules)  
4. Main Studio Location: (See Section 73.1125)  
0.1 mi S. of Douglas Rd., on  
E. side of Imhoff Rd.,  
Ferndale, WA  
5. Remote control location  
5538 Imhoff Road  
Ferndale, WA

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None required.

8. Frequency. .... : 1550 kHz

9. Nominal power (kW). .... : 50 Day 10 Night

Antenna input power (kW) :

52.6 Day ☐ Non-directional antenna : current 32.44 amperes: resistance 50 ohms.  
☒ Directional antenna :  
10.5 Night ☐ Non-directional antenna : current 14.5 amperes: resistance 50 ohms.  
☒ Directional antenna :

10. Hours of operation : Unlimited

11. Conditions. .... : See Page 2

10/12/95: This supersedes authorization of same date to correct operating power and specifications.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,<sup>1</sup> the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time  
February 1, 1998

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period.

The license is issued on the licensee's representation that the statements contained in the licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This license is subject to the right for control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

DTN:rao

FEDERAL  
COMMUNICATIONS  
COMMISSION



<sup>1</sup> This license consists of this page and pages 2, 3, 4 & 5

Dated:

SEP 21 1995

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The authority granted herein is subject to the condition that, A) in the event of any interference to monitoring, direction finding, or related operations at the present Federal Communications Commission's Ferndale, Washington Monitoring Station, caused by either spurious or harmonic radiation, the permittee shall take immediate corrective action as necessary to eliminate the interference, including furnishing, installing, adjusting, and maintaining filter circuits, shielding, or other corrective devices which may be necessary to minimize harmonic or spurious radiation and B) additionally, the day and night directional patterns of radiation herein authorized shall be appropriately maintained so that a fundamental field strength of 25 mV/m is not exceeded at any location on the current monitoring station property. If at any time during or after program tests, the operation of the station changes so that it does not comply with requirements of either A) or B) above, the station shall either cease operation immediately or take such corrective action, not excluding a reduction in power, as required until the station has been restored to its authorized mode of operation.

**FCC Form 353-A**  
**June 1980**

**File NO.** BL-890424AI

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**Date:**  
**DA- 2**

**1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

**No. and Type of Elements:** Four uniform series excited, guyed, insulated towers. Theoretical RMS: 2030.53 mV/m/Km, day; 970.35 mV/m/Km night. Standard RMS: 21.33.35 mV/m/Km, day. 1019.38 mV/m/Km night.  $Q = 70.71$ , day;  $Q = 31.62$ , Night.

**Height above Insulators:** 141' (80°)

**Overall Height:** 144'

**Spacing and Orientation:** Day: Three towers spaced 255.7' (145°) apart bearing 200° TN. Night: Two towers, including the southernmost tower of the daytime array, spaced 229.2' (130°) and bearing 310° TN.

**Non-Directional Antenna:** Not Used

**Ground System consists** of 120 buried copper radials running from the base of each tower, out to a length of 158.7' (90°) unless shortened where connecting of the 4' copper transverse strap running midway between the towers.

**2. THEORETICAL SPECIFICATIONS**

	Tower	#1(N)	#2(C)	#3(S)	#4(NW)
<b>Phasing:</b>	Night	-	-	0°	-96.5°
	Day	0°	50.8°	103°	-

<b>Field Ratio:</b>	Night	-	-	1.0	0.68
	Day	1.0	1.381	0.488	-

**3. OPERATING SPECIFICATIONS**

**Phase Indication\*:**

Night	-	-	0°	-96.5°
Day	-50.7°	0°	52°	-

**Antenna Base**

**Current Ratio:**

Night	-	-	1.00	0.647
Day	0.717	1.00	0.349	-

**Antenna Monitor Sample**

<b>Current Ratio:</b>	Night	-	-	1.00	0.680
	Day	0.690	1.00	0.340	-

\* As indicated by Potomac Instruments AM-19 (204) Antenna Monitor.  
Sampling system approved under Section 73.68(b) of the Rules.

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**DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:**

**Direction of 20° True North.** From the studio drive, turn right (north) onto Imhoff Road and proceed approximately 0.22 mile to the corner of Imhoff Road and Douglas Road. Turn right (easterly) onto Douglas Road and proceed approximately 0.2 mile to the corner of Douglas Road and Mt. View Road. Turn right (east) and proceed on Mt. View Road approximately 0.05 mile to the corner of Mt. View Road and Washington Street. proceed northeasterly on Washington Street approximately 0.35 mile to the corner of Washington and Vista Drive. Turn left (NNW) onto Vista Drive, then immediately right (north) onto Mallory Avenue and proceed north approximately 0.78 mile to the corner of Mallory Avenue and Thornton Street, a dead-end street. Turn right (east) onto Thornton Street and proceed about 0.24 mile to the shipping/receiving driveway of the Sampson Ocean Systems, Inc. Plant. Turn left (north) into this shipping/receiving drive and proceed to the most distant northeast corner of the parking lot area to the monitor point. This is point No. 13 on this radial. The field intensity measured at this point should not exceed 483 mV/m, Daytime.

**Direction of 176.5° True North.** From the studio drive, turn left (south) onto Imhoff Road and proceed approximately 1.62 miles to the corner of Imhoff Road and Slater Road. turn left (east) onto Slater Road and proceed approximately 0.32 mile to the monitor point, which is on the south side of Slater Road. This is point No. 18 on this radial. The field intensity measured at this point should not exceed 36.1 mV/m, Daytime.

**Direction of 223.5° True North.** From the studio drive, turn left (south) onto Imhoff Road and proceed approximately 0.6 mile to the corner of Imhoff Road and Ulrick Road. Turn right (west) onto Ulrick Road and proceed approximately 0.5 mile to the corner of Ulrick Road and South Church Road. Turn left (south) onto South Church Road and proceed approximately 0.5 mile to the point where South Church Road goes right (west) and becomes Lampman Road. Proceed westerly on Lampman Road approximately 0.36 mile to the monitor point. This is point No. 11 on the radial, and is opposite a fence corner to the north side of the road. The field intensity measured at this point should not exceed 54.2 mV/m, Daytime.

**Direction of 80° True North.** Exit from KNTR transmitter site to Imhoff Road. Turn right (north) and proceed 0.28 miles to the intersection of Douglas Road. Turn right (north-east) and proceed 0.22 miles to the intersection of Mountain View Road. Turn right (east) and proceed 1.06 miles to the intersection of Axtom Road. Turn left (northeast) and proceed 1.45 miles to the monitor point. This is point #20 on the radial and is 2.35 miles from the antenna. The field intensity measured at this point should not exceed 48.9 mV/m, Nighttime.

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**DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:**

**Direction of 180° True North.** Exit from KNTR transmitter site to Imhoff Road. Turn left (south) and proceed 1.56 miles to the intersection with Slater Road. Turn left (east) and proceed 0.18 miles to the monitor point. This is point #15 on the radial and is 1.55 miles from the antenna. The field intensity measured at this point should not exceed 85.6 mV/m, Nighttime.

**Direction of 310° True North.** Exit from KNTR transmitter site to Imhoff Road. Turn right (north) and proceed 0.28 miles to the intersection of Douglas Road. Turn right (northeast) and proceed 0.22 miles to the intersection of Mountain View Road. Turn left (west) and proceed 0.96 miles to the intersection of Storr Road. Turn right (north) and proceed 0.41 miles to the monitor point. This is point #11 on the radial and is 1.3 miles from the antenna. The field intensity measured at this point should not exceed 600 mV/m, Nighttime.