TABLES

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Table 1
Common Noise Sources and Levels

Sound Pressure Level (dB)	Typical Sources
120	Jet aircraft takeoff at 100 feet
110	Jet aircraft at 400 feet
90	Motorcycle at 25 feet
80	Garbage disposal
70	City street corner
60	Conversational speech
50	Typical office
40	Living room (without TV)
30	Quiet bedroom at night

Source: Environmental Impact Analysis Handbook, ed. By Rau and Wooten, 1980

TABLE 2
CALCULATED ELECTRIC FIELDS (KV/M) FOR PROPOSED 115 KV TRANSMISSION LINE DESIGN
(3.28 FEET ABOVE GROUND)

Structure Type	Maximum Operating Voltage (kV)	Distance to Proposed Centerline										
		-300'	-200'	-100'	-50'	-25'	0'	25'	50'	100'	200'	300'
115 kV Wood Pole Dead End (Str. #152)	121	0	0.02	0.12	0.29	0.28	0.05	0.28	0.29	0.12	0.02	0.00
Davit Arm 115 kV Steel Pole Single Circuit (Str. #151)	121	0	0.03	0.10	0.21	0.20	0.07	0.13	0.20	0.12	0.03	0.01
Davit Arm 115 kV Steel Pole Single Circuit (Span 151-148)	121	0.00	0.01	0.09	0.42	0.96	0.62	1.00	0.66	0.12	0.02	0.00
Davit Arm 115 kV Steel Pole Single Circuit (Str. #148)	121	0	0.03	0.10	0.21	0.20	0.07	0.13	0.20	0.12	0.03	0.01
115 kV Wood Pole Dead End (Str. #147)	121	0.01	0.03	0.12	0.21	0.18	0.03	0.18	0.21	0.12	0.03	0.01

TABLE 3
CALCULATED MAGNETIC FIELDS (MILLIGAUSS) FOR PROPOSED 115 KV TRANSMISSION LINE DESIGN (3.28 FEET ABOVE GROUND)

Segment	System Condition	Current (Amps)	Distance to Proposed Centerline										
			-300'	-200'	-100'	-50'	-25'	0'	25'	50'	100'	200'	300'
Str.#152 Single Circuit 115 kV	Peak	450	0.79	1.71	5.66	12.97	18.75	21.88	18.83	13.07	5.74	1.76	0.82
	Average	375	0.66	1.42	4.7	10.78	15.59	18.19	15.66	10.87	4.78	1.47	0.68
Str.#151 Single Circuit 115 kV	Peak	450	0.8	1.65	4.77	9.35	12.52	14.61	13.93	11.08	5.7	1.85	0.86
	Average	375	0.66	1.37	3.97	7.77	10.41	12.15	11.58	9.21	4.74	1.54	0.72
Str.#151 to Str.#148 Single Circuit 115 kV	Peak	450	0.82	1.79	6.48	20	43.38	74.97	63.12	30.23	8.38	2.05	0.9
	Average	375	0.68	1.49	5.39	16.63	36.07	62.34	52.48	25.13	6.97	1.71	0.75
Str.#148 Single Circuit 115 kV	Peak	450	0.8	1.65	4.77	9.35	12.52	14.61	13.93	11.08	5.7	1.85	0.86
	Average	375	0.66	1.37	3.97	7.77	10.41	12.15	11.58	9.21	4.74	1.54	0.72
Str.#147 Single Circuit 115 kV	Peak	450	0.77	1.64	4.98	9.91	13.03	14.53	13.09	10	5.07	1.7	0.81
	Average	375	0.64	1.37	4.14	8.24	10.84	12.08	10.88	8.31	4.21	1.41	0.67

Table 4
Required Regulatory Permits and Approvals

Government Unit	Type of Approval	Regulated Activity	Status
Nicollet County Zoning Department	Zoning Variance	Permit required prior to construction	Pending decision by zoning department
DNR Lands and Minerals	License to Cross Public Water	License required if project crosses DNR Public Waters	Applied for in August, 2009
DNR Lands and Minerals	License to Cross Public Land	License required if project crosses DNR Land	Applied for in August, 2009
Nicollet County Highway Department	County Highway Crossing Permit	Permit required prior to construction	All required permits will be acquired before construction
Nicollet County Office of Environmental Services	Wetland Approval	Wetland Fill	No permit required
MN DNR Federal Aid	Section 106	SHPO, Archeology, USFWS, and Tribal Approval	Pending decisions by MN DNR Archeology and USFWS