

1 Q. With reference to Hydro's response to IC-27 NLH, page 4, lines 27-29, and
2 page 6, lines 26-28, provide a copy of the data analysis and the
3 recommendations of Engineering to Operations based on the 2005
4 inspection results.

5

6

7 A. Raw data from the database, preliminary analysis and final recommendations
8 have been provided as an appendix for each of the 11 lines inspected in
9 2005.

IC-59 NLH

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6 06 cond span/s			OBJECTID	InspDate	TL_Str	TL	Phase	TL_Str_Phi	Wear	BrokenStra																																
8 08 crossarm			OBJECTID	InspDate	TL_Str	TL	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																													
9 09 crossbrace			OBJECTID	InspDate	TL_Str	TL	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																													
11 11 dampers			OBJECTID	InspDate	TL_Str	TL	Phase	TL_Str_Phi	Neoprene	Stockbridg	Torsional	Stockbri_1	TorsionalC	ConductorV																												
12 12 guy grips			OBJECTID	InspDate	TL_Str	TL	Condition	NumReplace																																		
13 13 guy guards			OBJECTID	InspDate	TL_Str	TL	NumGuard	NumNewGuar																																		
14 14 guy wires			OBJECTID	InspDate	TL_Str	TL	Condition	NumGuys	NumReplace																																	
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16 16 insl plumbne			OBJECTID	InspDate	TL_Str	TL	Phase	TL_Str_Phi	Plumbness																																	
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20 20 clamp/de			OBJECTID	InspDate	TL_Str	TL	Phase	TL_Str_Phi	Wear	BrokenStra																																
21 21 fdn cond			OBJECTID	InspDate	TL_Str	TL	Condition	RepairRepl																																		
22 22 pole			OBJECTID	InspDate	TL_Str	TL	PolePositi	TL_Str_Pol	Species	Treatment	Height	Class	PoleYear	YearActual	CheckingG	DeepestCh	WidestChe	Penetrates	ShellSepa	ShellSep_1	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	Carpenter#	Woodpeckr	PoleRating	CobraRods	CobraWra	Timbor	EDM_InLin	EDM_InLi	EDM_InLi	EDM_Perp	EDM_Perp	EDM_Perp	Retention_	Retention1	
23 23 anch rod			OBJECTID	InspDate	TL_Str	TL	Condition	NumRock	NumEarth	NumRockF	NumEarthRe																															
24 24 deadend			OBJECTID	InspDate	TL_Str	TL	Phase	TL_Str_Phi	Assembly																																	
210	77	0	1 01 structure	3339	210-77-0	210	77	0	a	6/10/2005	k lush																															
210	79	0	1 01 structure	3341	210-79-0	210	79	0	a x	6/21/2005	D wells																															
210	79	0 79-0	17 17 insulators	10005	6/21/2005	210-79-0		1	210-79-0-1	7	0	0	0	Susp	No		7	0	1	0 0	0	0	0																			
210	79	0 79-0	17 17 insulators	10006	6/21/2005	210-79-0		2	210-79-0-2	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
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210	80	0	1 01 structure	3342	210-80-0	210	80	0	ax	6/21/2005	br																															
210	80	0 80-0	9 09 crossbrace	5297	6/21/2005	210-80-0		3	210-80-0-3	2	2	2	-1	loose bolts																												
210	80	0 80-0	11 11 dampers	10009	6/21/2005	210-80-0		2	210-80-0-2	0	0	1	Mis	G	N																											
210	80	0 80-0	15 15 insl hard	10010	6/21/2005	210-80-0		3	210-80-0-3																																	
210	80	0 80-0	20 20 clamp/de	10009	6/21/2005	210-80-0		2	210-80-0-2	2	2																															
210	80	0 80-0	22 22 pole	5561	6/21/2005	210-80-0		3	210-80-0-3 SYP	Penta		75	4		1969 A		3	1 to 3	1/2 to 1	No		2	0.0	2	2 S	-1.0	-1.0	-1.0	46.0	-1	-1	2	18 No	-1	13.5	1	7400	13.5	1	7010	0.0	0.0
210	81	0 81-0	9 09 crossbrace	5298	6/21/2005	210-81-0		2	210-81-0-1	2	2	2	-1	x brace between left and c poles needs rep.																												
210	81	0 81-0	17 17 insulators	10011	6/21/2005	210-81-0		2	210-81-0-1	23	0	0	0	Susp	No		7	8	1	2 0	0	0	0																			
210	81	0 81-0	17 17 insulators	10012	6/21/2005	210-81-0		2	210-81-0-2	23	0	0	0	Susp	No		7	8	1	2 0	0	0	0																			
210	81	0 81-0	17 17 insulators	10013	6/21/2005	210-81-0		3	210-81-0-3	23	0	0	0	Susp	No		7	8	1	2 0	0	0	0																			
210	81	0 81-0	22 22 pole	5564	6/21/2005	210-81-0		3	210-81-0-3 SYP	Penta		65	4		1969 A		2	1 to 3	1/2 to 1	No		2	0.0	2	3 NS	3.0	3.0	3.0	40.0	3	-1	2	18 No	1	12.0	1	7540	12.0	1	7720	0.0	0.0
210	82	0 82-0	8 08 crossarm	5301	6/21/2005	210-82-0		2	210-82-0-3	2	2	3	-1																													
210	82	0 82-0	15 15 insl hard	10014	6/21/2005	210-82-0		1	210-82-0-1	2	D	A	ass loose																													
210	82	0 82-0	15 15 insl hard	10015	6/21/2005	210-82-0		2	210-82-0-2		D.A.	ASS. loose																														
210	82	0 82-0	15 15 insl hard	10016	6/21/2005	210-82-0		3	210-82-0-3		D.A.	ASS. loose																														
210	82	0 82-0	17 17 insulators	10014	6/21/2005	210-82-0		7	210-82-0-1	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	82	0 82-0	17 17 insulators	10015	6/21/2005	210-82-0		2	210-82-0-2	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	82	0 82-0	17 17 insulators	10016	6/21/2005	210-82-0		3	210-82-0-3	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	83	0	1 01 structure	3345	210-83-0	210	83	0	A	6/21/2005	B. RIDEOUT																															
210	83	0 83-0	4 04 plumbness	3344	6/21/2005	210-83-0	SO																																			
210	83	0 83-0	9 09 crossbrace	5302	6/21/2005	210-83-0		1	210-83-0-1	2	-1	3	-1	crossbrace on source side needs rep.																												
210	83	0 83-0	9 09 crossbrace	5303	6/21/2005	210-83-0		3	210-83-0-3	2	3	3	-1																													
210	83	0 83-0	17 17 insulators	10017	6/21/2005	210-83-0		1	210-83-0-1	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	83	0 83-0	17 17 insulators	10018	6/21/2005	210-83-0		2	210-83-0-2	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	83	0 83-0	17 17 insulators	10019	6/21/2005	210-83-0		3	210-83-0-3	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	83	0 83-0	22 22 pole	5567	6/21/2005	210-83-0		1	210-83-0-1 SYP	Penta		50	4		1969 A		2	1 to 3	1/2 to 1	No		2	0.0	2	2 NS	5.0	2.0	5.0	43.0	3	-1	3	18 No	1	13.0	1	6840	13.0	1	7520	0.0	0.0
210	84	0 84-0	9 09 crossbrace	5304	6/21/2005	210-84-0		1	210-84-0-1	2	2	2	-1	center bolt slack.																												
210	84	0 84-0	17 17 insulators	10020	6/21/2005	210-84-0		7	210-84-0-1	7	0	0	0	Susp	No		7	0	1	0 0	0	0	0																			
210	84	0 84-0	17 17 insulators	10021	6/21/2005	210-84-0		2	210-84-0-2	7	0	0	0	Susp	No		7	0	1	0 0	0	0	0																			
210	84	0 84-0	17 17 insulators	10022	6/21/2005	210-84-0		3	210-84-0-3	7	0	0	0	Susp	No		7	0	1	0 0	0	0	0																			
210	85	0 85-0	15 15 insl hard	10023	6/21/2005	210-85-0		1	210-85-0-1		2	da.	brackets slack on 3 phs.																													
210	85	0 85-0	17 17 insulators	10023	6/21/2005	210-85-0		7	210-85-0-1	7	0	0	0	Susp	No		7	0	1	0 0	0	0	0																			
210	85	0 85-0	17 17 insulators	10024	6/21/2005	210-85-0		2	210-85-0-2	7	0	0	0	Susp	No		7	0	1	0 0	7	0	0																			
210	85	0 85-0	17 17 insulators	10025	6/21/2005	210-85-0		3	210-85-0-3	7	0	0	0	Susp	No		7	0	1	0 0	0	0	0																			
210	86	0	1 01 structure	3350	210-86-0	210	86	0	A X	6/22/2005	D.WELLS																															
210	86	0 86-0	17 17 insulators	10032	6/22/2005	210-86-0		1	210-86-0-1	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	86	0 86-0	17 17 insulators	10033	6/22/2005	210-86-0		2	210-86-0-2	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	86	0 86-0	17 17 insulators	10034	6/22/2005	210-86-0		3	210-86-0-3	7	0	0	0	Susp	No		7	0	0	0 0	0	0	0																			
210	86	0 86-0	22 22 pole	5577	6/22/2005	210																																				

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			1 01 structure	OBJECTID	TL_	TL	Structure	StructureS	StructureT	InspDate	Comments																																															
			4 04 str plumb	OBJECTID	InspDate	TL_	Plumbness																																																			
			6 08 cond span	OBJECTID	InspDate	TL_	Phase	TL_Str	Ph	Wear	Broken	Str																																														
			8 08 crossarm	OBJECTID	InspDate	TL_	PolePositi	TL_Str	Po	Checking	Rot	Cracks	Other	Comments																																												
			9 09 crossbrace	OBJECTID	InspDate	TL_	PolePositi	TL_Str	Po	Checking	Rot	Cracks	Other	Comments																																												
			10 10 blocking	OBJECTID	InspDate	TL_	PolePositi	TL_Str	Po	Blocking																																																
			12 12 guy grips	OBJECTID	InspDate	TL_	Condition	Num	Replace																																																	
			14 14 guy wires	OBJECTID	InspDate	TL_	Condition	Num	Guys	Num	Replace																																															
			17 17 insulators	OBJECTID	InspDate	TL_	Phase	TL_Str	Ph	NGK	Sediver	COB	Nema	InsulatorT	Polymer	InsPerSt	InsPerSt_1	NumString	NumStrin_	Replace	Flashed	Failed	Other																																			
			18 18 kneebraces	OBJECTID	InspDate	TL_	PolePositi	TL_Str	Po	Side	Checking	Rot	Cracks	Other	Comments																																											
			21 21 foundation	OBJECTID	InspDate	TL_	Condition	Repair	Repl																																																	
			22 22 pole	OBJECTID	InspDate	TL_	PolePositi	TL_Str	Po	Species	Treatment	Height	Class	PoleYear	YearActual	Checking	G	Deepest	Cf	Widest	Che	Penetrates	Shell	Separ	Shell	Sep_	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	CarpenterF	Woodpeck	PoleRating																						
			23 23 anchor rods	OBJECTID	InspDate	TL_	Condition	Num	Rock	Num	Earth	Num	RockF	Num	EarthRe																																											
			24 24 deadend	OBJECTID	InspDate	TL_	Phase	TL_Str	Ph	Assembly																																																
			25 25 OHGW	OBJECTID	InspDate	TL_	Phase	TL_Str	Ph	Wear	Broken	Str																																														
218	148	0 148-0	17 17 insulators	13129	8/12/2005	218-148-0	2	218-148-0-	0	21	5	0	Susp	No	13	0	2	0																																								
218	148	0 148-0	17 17 insulators	13130	8/12/2005	218-148-0	3	218-148-0-	0	12	14	0	Susp	No	13	0	2	0																																								
218	148	0 148-0	22 22 pole	7447	8/12/2005	218-148-0	3	218-148-0-DF		Penta	65	2		1965 A	2	<1		<1/2	No		2	20.0	2	2	S	-1.0	-1.0	-1.0	50.0	-1	-1	3	21	No	-1	15.0	1	0	15.0	1	0	0.0	0.0															
218	149	0	1 01 structure	4391	218-149-0	218	149	0	ha	8/12/2005	set of patch rods on center phase	20	feet out																																													
218	149	0 149-0	17 17 insulators	13127	8/12/2005	218-149-0	3	218-149-0-	0	24	2	0	Susp	No	13	0	2	0																																								
218	150	0	1 01 structure	4390	218-150-0	218	150	0	dd	8/12/2005	all 3 poles very shelly dangerous when climbing and 3 poles have sweeps in top of poles	rating 3																																														
218	150	0 150-0	17 17 insulators	13122	8/12/2005	218-150-0	1	218-150-0-	0	39	2	0	Susp	No	13	14	1	1																																								
218	150	0 150-0	17 17 insulators	13123	8/12/2005	218-150-0	2	218-150-0-	0	39	1	0	Susp	No	13	14	1	1	1	jumper																																						
218	150	0 150-0	17 17 insulators	13124	8/12/2005	218-150-0	3	218-150-0-	0	35	5	0	Susp	No	13	14	1	1	1	de																																						
218	150	0 150-0	22 22 pole	7441	8/12/2005	218-150-0	1	218-150-0-WRC		Penta	55	2		1965 A	3	1 to 3	1/2 to 1	No		4	45.0	2	2	S	-1.0	-1.0	-1.0	50.0	-1	-1	3	15	No	-1	16.0	1	3590	15.6	1	5210	0.0	0.0																
218	150	0 150-0	22 22 pole	7442	8/12/2005	218-150-0	2	218-150-0-WRC		Penta	55	2		1965 A	2	1 to 3	1/2 to 1	No		4	45.0	2	2	S	-1.0	-1.0	-1.0	59.0	-1	-1	3	15	No	-1	18.0	1	4240	18.0	1	4150	0.0	0.0																
218	150	0 150-0	22 22 pole	7443	8/12/2005	218-150-0	3	218-150-0-WRC		Penta	55	2		1965 A	2	<1		<1/2	No		3	30.0	2	2	S	-1.0	-1.0	-1.0	53.0	-1	-1	3	15	No	-1	18.3	1	0	15.2	1	3200	0.0	0.0															
218	151	0	1 01 structure	4389	218-151-0	218	151	0	ha	8/11/2005	left pole rotten by top xbrace 2 inch shell 5 inch cavity extends 5 6 feet below xbrace																																															
218	151	0 151-0	17 17 insulators	13121	8/11/2005	218-151-0	3	218-151-0-	0	24	1	0	Susp	No	13	0	2	0	1																																							
218	151	0 151-0	22 22 pole	7439	8/11/2005	218-151-0	1	218-151-0-DF		Penta	70	2		1965 A	2	<1		<1/2	No		2	20.0	2	4	NS	2.0	2.0	2.0	49.5	2	-1	4	15	No	-1	14.5	1	0	16.3	1	0	0.0	0.0															
218	152	0	1 01 structure	4388	218-152-0	218	152	0	ha	8/11/2005	right pole extremely shelly and split up top to bottom dangerous to climb small on top																																															
218	152	0 152-0	17 17 insulators	13118	8/11/2005	218-152-0	3	218-152-0-	0	24	0	0	Susp	No	13	0	2	0	2	right phase																																						
218	152	0 152-0	22 22 pole	7438	8/11/2005	218-152-0	3	218-152-0-WRC		Penta	60	2		1965 A	3	1 to 3	1/2 to 1	No		4	50.0	2	2	S	-1.0	-1.0	-1.0	50.0	-1	-1	4	21	No	-1	15.8	1	0	15.5	1	0	0.0	0.0																
218	153	0 153-0	23 23 anchor rods	4387	8/11/2005	218-152-0	Good	0	1	0	1																																															
218	153	0 153-0	17 17 insulators	11948	8/10/2005	218-153-0	1	218-153-0-	0	22	4	0	Susp	No	13	0	2	0	0																																							
218	153	0 153-0	17 17 insulators	11949	8/10/2005	218-153-0	2	218-153-0-	0	24	1	0	Susp	No	13	0	2	0	1																																							
218	153	0 153-0	17 17 insulators	11950	8/10/2005	218-153-0	3	218-153-0-	2	23	1	0	Susp	No	13	0	2	0	0																																							
218	157	0 157-0	23 23 anchor rods	3988	8/9/2005	218-157-0	Good	0	1	0	1																																															
218	162	0 162-0	17 17 insulators	11921	8/8/2005	218-162-0	1	218-162-0-	0	25	1	0	Susp	No	13	0	2	0	0																																							
218	162	0 162-0	17 17 insulators	11922	8/8/2005	218-162-0	2	218-162-0-	0	25	0	0	Susp	No	13	0	2	0	1																																							
218	162	0 162-0	17 17 insulators	11923	8/8/2005	218-162-0	3	218-162-0-	0	25	1	0	Susp	No	13	0	2	0	0																																							
218	163	0	1 01 structure	3983	218-163-0	218	163	0	ha	8/8/2005	crossarm in bad shape between insulators 3 6 feet from left pole not alot of strain in this area because of str type but needs to be changed within 2 3 years poles very shelly in most areas needs to be changed before changing crossarm pole rating 3																																															
218	163	0 163-0	8 08 crossarm	6258	8/8/2005	218-163-0	1	218-163-0-	4	3	4	4																																														
218	163	0 163-0	8 08 crossarm	6259	8/8/2005	218-163-0	3	218-163-0-	3	2	2	2																																														
218	163	0 163-0	17 17 insulators	11918	8/8/2005	218-163-0	1	218-163-0-	0	8	17	0	Susp	No	13	0	2	0	0																																							
218	163	0 163-0	17 17 insulators	11919	8/8/2005	218-163-0	3	218-163-0-	0	16	10	0	Susp	No	13	0	2	0	0																																							
218	163	0 163-0	22 22 pole	6557	8/8/2005	218-163-0	1	218-163-0-WRC		Penta	60	2		1965 A	2	1 to 3	1/2 to 1	No		4	50.0	2	2	S	-1.0	-1.0	-1.0	52.0	-1	-1	3	21	No	-1	16.3	1	0	15.2	1	0	0.0	0.0																
218	163	0 163-0	22 22 pole	6558	8/8/2005	218-163-0	3	218-163-0-WRC		Penta	60	2		1965 A	2	1 to 3	1/2 to 1	No		3	40.0	2	2	S	-1.0	-1.0	-1.0	51.0	-1	-1	3	21	No	-1	16.5	1	0	15.2	1	0	0.0	0.0																
218	164	0 164-0	17 17 insulators	11915	8/8/2005	218-164-0	1	218-164-0-	0	16	10	0	Susp	No	13	0	2	0	0																																							
218	165	0	1 01 structure	3981	218-165-0	218	165	0	ha	8/2/2005	left pole full of ants by bottom x brace 1 inch shell on 1 side of pole 5 6 inch shell on rest of pole																																															
218	165	0 165-0	17 17 insulators	11912	8/2/2005	218-165-0	1	218-165-0-	0	19	7	0	Susp	No	13	0	2	0	0																																							
218	165	0 165-0	17 17 insulators	11913	8/2/2005	218-165-0	2	218-165-0-	0	22	4	0	Susp	No	13	0	2	0	0																																							
218	165	0 165-0	17 17 insulators	11914	8/2/2005	218-165-0	3	218-165-0-	0	21	5	0	Susp	No	13	0	2	0	0																																							
218	165	0 165-0	22 22 pole	6553	8/2/2005	218-165-0	1	218-165-0-DF		Penta	70	2		1965 A	2	1 to 3	1/2 to 1	No		2	20.0	2	4	NS	1.5	5.0	5.0	45.0	4	-1	3	12	No	1	14.3	1	0	14.3	1	0	0.0	0.0																
218	166	0 166-0	17 17 insulators	11910	8/2/2005	218-166-0	3	218-166-0-	0	19	6	0	Susp	No	13	0	2	0	0																																							
218	167	0 167-0	17 17 insulators	11906	8/2/2005	218-167-0	1	218-167-0-	0	21	5	0	Susp	No	13	0	2	0	0																																							
218	167	0 167-0	17 17 insulators	11907	8/2/2005	218-167-0	2	218-167-0-	0	24	2	0	Susp	No	13	0	2	0	0																																							
218	167	0 167-0	17 17 insulators	11908	8/2/2005	218-167-0	3	218-167-0-	0	23	3	0	Susp	No	13	0	2	0	0																																							
218	167	0 167-0	22 22 pole	6549	8/2/2005	218-167-0	1	218-167-0-DF		Penta	75	2		1965 A	2	1 to 3	1/2 to 1	No		3	50.0	2	2	S	-1.0	-1.0	-1.0	50.0	-1	-1	2	21	No	-1	16.0	1	0	16.0	0	0	0.0	0.0																
218	167	0 167-0	24 24 deadend	11907	8/2/2005	218-167-0	2	218-167-0-	5																																																	
218	168	0 168-0	17 17 insulators	11903	7/29/2005	218-168-0	1	218-168-0-	0	33	8	0	Susp	No	13	14	1	1	1	1	broke cob																																					
218	168	0 168-0	17 17 insulators	11904	7/29/2005	218-168-0	2	218-168-0-	0	40	1	0	Susp	No	13	14	1	1	1																																							
218	169	0 169-0	17 17 insulators	11901	7/29/2005	218-169-0	2	218-169-0-	0	23	0	3	Susp	No	13	0	2	0	0																																							
218	171	0	1 01 structure	3966	218-171-0	218	171	0	a	7/27/2005	left pole,cavity top of pole to 2feet below kneebraces.2to3in.shell.																																															
218	171	0 171-0	22 22 pole	6521	7/27/2005	218-171-0	1	218-171-0-DF		Penta	75	2		1965 A	2	<1		<1/2	No		2	0.0	2	3	NS	2.0	2.5	3.0	47.0	2	2	3	21	No	0	14.0	1	6130	15.5	1	7130	0.0	0.0															
218	172	0 172-0	17 17 insulators	11871	7/27/2005	218-172-0	2	218-172-0-	0	40	1	0	Susp	No	13	14	1	1	1																																							
218	173	0 173-0	17 17 insulators	11873	7/27/2005	218-173-0	1	218-173-0-	0	25	1	0	Susp	No	13	0	2	0	0																																							
218	173	0 173-0	17 17 insulators	11874	7/27/2005	218-173-0	2	218-173-0-	0	25	1	0	Susp	No	13	0	2	0	0																																							
218	174	0 174-0	17 17 insulators	11877	7/27/2005	218-174-0	2	218-174-0-	0	13	1																																															

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			1 01 structure	OBJECTID	TL_Str	TL	Structure	StructureS	StructureT	InspDate	Comments																																											
			3 03 susp clamps	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Wear	Replace																																												
			4 04 plumbness	OBJECTID	InspDate	TL_Str	Plumbness																																															
			6 06 cond span/sp	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Wear	BrokenStra																																												
			8 08 crossarm	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Poi	Checking	Rot	Cracks	Other	Comments																																									
			17 17 insulators	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	NGK	Sediver	COB	Nema	InsulatorT	Polymer	InsPerStri	InsPerSt_1	NumString	NumStrin_	Replace	Flashed	Failed	Other																																
			20 20 clamp/de	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Wear	BrokenStra																																												
			21 21 fdn cond	OBJECTID	InspDate	TL_Str	Condition	RepairRepl																																														
			22 22 pole	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Poi	Species	Treatment	Height	Class	PoleYear	YearActual	CheckingG	DeepestCh	WidestChe	Penetrates	Shell	Separ	ShellSep_1	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	Carpenter	A	Woodpeckr	PoleRating	CobraRods	CobraWra	Timbor	EDM_InLin	EDM_InLi_	EDM_InLi_	EDM_Perp	EDM_Perp	EDM_Perp	Retention_	Retention1											
			24 24 deadend	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Assembly																																													
223	2	0	1 01 structure	2394	223-2-0	223	2	0	AA	2/1/2004	Foundation submerged in water																																											
223	2	0 2-0	8 08 crossarm	3647	2/1/2004	223-2-0	1	223-2-0-1		3	3	3	0																																									
223	2	0 2-0	8 08 crossarm	3648	2/1/2004	223-2-0	3	223-2-0-3		3	3	3	0																																									
223	2	0 2-0	21 21 fdn cond	2393	2/1/2004	223-2-0	Submerged in water																																															
223	3	0	1 01 structure	2404	223-3-0	223	3	0	AA	2/1/2004	Butts submerged in water																																											
223	3	0 3-0	8 08 crossarm	3667	2/1/2004	223-3-0	1	223-3-0-1		3	3	3	0																																									
223	3	0 3-0	8 08 crossarm	3668	2/1/2004	223-3-0	3	223-3-0-3		3	3	3	0																																									
223	3	0 3-0	21 21 fdn cond	2403	2/1/2004	223-3-0	Submerged in water																																															
223	3	0 3-0	22 22 pole	3860	2/1/2004	223-3-0	1	223-3-0-1	SYP	Penta	55	3	1964	2	<1	1/2 to 1	No		2	0.0	2	2	S	0.0	0.0	0.0	41.0	1	1	3	21	No	0	13.0	0	0	13.0	0	0	0.0	0.0													
223	4	0	1 01 structure	2414	223-4-0	223	4	0	AA	2/1/2004	Butts submerged in water																																											
223	4	0 4-0	8 08 crossarm	3687	2/1/2004	223-4-0	1	223-4-0-1		3	3	3	0																																									
223	4	0 4-0	8 08 crossarm	3688	2/1/2004	223-4-0	3	223-4-0-3		3	3	3	0																																									
223	4	0 4-0	21 21 fdn cond	2413	2/1/2004	223-4-0	Submerged in water																																															
223	5	0 5-0	8 08 crossarm	3709	2/1/2004	223-5-0	1	223-5-0-1		3	3	3	0																																									
223	5	0 5-0	8 08 crossarm	3710	2/1/2004	223-5-0	3	223-5-0-3		3	3	3	0																																									
223	6	0 6-0	8 08 crossarm	3731	2/1/2004	223-6-0	1	223-6-0-1		3	3	3	0																																									
223	6	0 6-0	8 08 crossarm	3732	2/1/2004	223-6-0	3	223-6-0-3		3	3	3	0																																									

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			1 01 structure	OBJECTID	TL_Str	TL	Structure	StructureS	StructureT	InspDate	Comments																																																	
			6 06 cond span/splice	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																																		
			8 08 crossarm	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																																															
			9 09 crossbrace	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																																															
			10 10 xbr blocking	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Blocking																																																			
			11 11 dampers	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Neoprene	Stockbridg	Torsional	Stockbri_1	Torsional/C Conductor/V																																															
			13 13 guy guards	OBJECTID	InspDate	TL_Str	NumGuard	NumNewGuar																																																				
			14 14 guy wires	OBJECTID	InspDate	TL_Str	Condition	NumGuys	NumReplace																																																			
			16 16 insl plumbness	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Plumbness																																																			
			17 17 insulators	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	NGK	Sediver	COB	Nema	InsulatorT	Polymer	InsPerStri	InsPerSt_1	NumString	NumStrin_	Replace	Flashed	Failed	Other																																						
			18 18 kneebraces	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Side	Checking	Rot	Cracks	Comments																																															
			20 20 clamp/de	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																																		
			22 22 pole	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Species	Treatment	Height	Class	PoleYear	YearActual	CheckingG	DeepestCh	WidestChe	Penetrates	Shell	Separ	ShellSep_1	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	Carpenter	Woodpeck	PoleRating																													
			24 24 deadend	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Assembly																																																			
			25 25 OHGW	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																																		
234	115	0 115-0	8 08 crossarm	6466	7/12/2005	234-115-0	1	234-115-0-	2	2	2	3																																																
234	115	0 115-0	9 09 crossbrace	6466	7/12/2005	234-115-0	1	234-115-0-	5	5	3	-1	change																																															
234	115	0 115-0	9 09 crossbrace	6467	7/12/2005	234-115-0	3	234-115-0-	5	5	5	-1	changeout																																															
234	115	0 115-0	10 10 xbr blocking	6466	7/12/2005	234-115-0	1	234-115-0-	5																																																			
234	115	0 115-0	10 10 xbr blocking	6467	7/12/2005	234-115-0	3	234-115-0-	5																																																			
234	115	0 115-0	18 18 kneebraces	12931	7/12/2005	234-115-0	1	234-115-0-	1	5	5	5	5	5																																														
234	115	0 115-0	18 18 kneebraces	12932	7/12/2005	234-115-0	1	234-115-0-	3	2	2	2	2	3																																														
234	115	0 115-0	25 25 OHGW	12227	7/12/2005	234-115-0	1	234-115-0-	2	2																																																		
234	116	0 116-0	6 06 cond span/splice	12230	7/12/2005	234-116-0	1	234-116-0-	2	2																																																		
234	116	0 116-0	13 13 guy guards	4089	7/12/2005	234-116-0	0	12																																																				
234	116	0 116-0	17 17 insulators	12232	7/12/2005	234-116-0	3	234-116-0-	13	0	52	0	Susp	No	0	13	0	2																																										
234	116	0 116-0	17 17 insulators	12230	7/12/2005	234-116-0	1	234-116-0-	13	0	52	0	Susp	No	0	13	0	2																																										
234	116	0 116-0	17 17 insulators	12231	7/12/2005	234-116-0	2	234-116-0-	13	0	52	0	Susp	No	0	13	0	2																																										
234	117	0 117-0	9 09 crossbrace	6470	7/12/2005	234-117-0	1	234-117-0-	3	3	3	-1																																																
234	117	0 117-0	9 09 crossbrace	6471	7/12/2005	234-117-0	3	234-117-0-	3	3	3	-1	sagging																																															
234	117	0 117-0	10 10 xbr blocking	6470	7/12/2005	234-117-0	1	234-117-0-	3																																																			
234	117	0 117-0	10 10 xbr blocking	6471	7/12/2005	234-117-0	3	234-117-0-	3																																																			
234	118	0 118-0	9 09 crossbrace	6472	7/12/2005	234-118-0	1	234-118-0-	3	3	3	-1																																																
234	118	0 118-0	9 09 crossbrace	6473	7/12/2005	234-118-0	3	234-118-0-	4	4	4	-1																																																
234	118	0 118-0	10 10 xbr blocking	6472	7/12/2005	234-118-0	1	234-118-0-	3																																																			
234	118	0 118-0	10 10 xbr blocking	6473	7/12/2005	234-118-0	3	234-118-0-	4																																																			
234	118	0 118-0	22 22 pole	6789	7/12/2005	234-118-0	3	234-118-0- DF	Penta	70	2	1980	A	4	1 to 3	1/2 to 1	No	2	0.00	2	2	S	-1.00	-1.00	-1.00	48.00	1	1	2	16	No																													
234	119	0 119-0	9 09 crossbrace	6474	7/12/2005	234-119-0	1	234-119-0-	4	4	4	4	sagging																																															
234	119	0 119-0	9 09 crossbrace	6475	7/12/2005	234-119-0	3	234-119-0-	4	4	4	4	sagging																																															
234	119	0 119-0	10 10 xbr blocking	6474	7/12/2005	234-119-0	1	234-119-0-	4																																																			
234	119	0 119-0	10 10 xbr blocking	6475	7/12/2005	234-119-0	3	234-119-0-	4																																																			
234	120	0 120-0	8 08 crossarm	6541	7/12/2005	234-120-0	1	234-120-0-	3	3	3	-1																																																
234	120	0 120-0	8 08 crossarm	6542	7/12/2005	234-120-0	3	234-120-0-	3	3	3	-1																																																
234	120	0 120-0	9 09 crossbrace	6541	7/12/2005	234-120-0	1	234-120-0-	5	5	5	-1																																																
234	120	0 120-0	9 09 crossbrace	6542	7/12/2005	234-120-0	3	234-120-0-	5	5	5	-1																																																
234	120	0 120-0	10 10 xbr blocking	6541	7/12/2005	234-120-0	1	234-120-0-	5																																																			
234	120	0 120-0	10 10 xbr blocking	6542	7/12/2005	234-120-0	3	234-120-0-	5	0	0	13	0	Susp	No	13	0	1	0																																									
234	120	0 120-0	17 17 insulators	12332	7/12/2005	234-120-0	1	234-120-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	120	0 120-0	17 17 insulators	12333	7/12/2005	234-120-0	3	234-120-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	120	0 120-0	18 18 kneebraces	13081	7/12/2005	234-120-0	1	234-120-0-	1	3	3	3	-1																																															
234	120	0 120-0	18 18 kneebraces	13082	7/12/2005	234-120-0	1	234-120-0-	3	3	3	3	-1																																															
234	120	0 120-0	18 18 kneebraces	13083	7/12/2005	234-120-0	1	234-120-0-	3	3	3	3	-1																																															
234	120	0 120-0	18 18 kneebraces	13084	7/12/2005	234-120-0	3	234-120-0-	3	3	3	3	-1																																															
234	120	0 120-0	22 22 pole	6864	7/12/2005	234-120-0	1	234-120-0- DF	Penta	70	2	1980	E	2	<1	1/2 to 1	No	1	0.00	1	1	S	-1.00	-1.00	-1.00	52.00	-1	-1	3	18	No																													
234	121	0 121-0	9 09 crossbrace	6543	7/12/2005	234-121-0	1	234-121-0-	5	5	5	-1																																																
234	121	0 121-0	9 09 crossbrace	6544	7/12/2005	234-121-0	3	234-121-0-	5	5	5	-1																																																
234	121	0 121-0	10 10 xbr blocking	6543	7/12/2005	234-121-0	1	234-121-0-	5																																																			
234	121	0 121-0	10 10 xbr blocking	6544	7/12/2005	234-121-0	3	234-121-0-	5																																																			
234	121	0 121-0	17 17 insulators	12335	7/12/2005	234-121-0	1	234-121-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	121	0 121-0	17 17 insulators	12336	7/12/2005	234-121-0	2	234-121-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	121	0 121-0	17 17 insulators	12337	7/12/2005	234-121-0	3	234-121-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	121	0 121-0	18 18 kneebraces	13088	7/12/2005	234-121-0	3	234-121-0-	3	4	4	4	-1																																															
234	122	0 122-0	8 08 crossarm	6545	7/12/2005	234-122-0	1	234-122-0-	3	2	3	-1																																																
234	122	0 122-0	8 08 crossarm	6546	7/12/2005	234-122-0	3	234-122-0-	3	2	3	-1																																																
234	122	0 122-0	9 09 crossbrace	6545	7/12/2005	234-122-0	1	234-122-0-	3	3	3	-1																																																
234	122	0 122-0	9 09 crossbrace	6546	7/12/2005	234-122-0	3	234-122-0-	3	3	3	-1																																																
234	122	0 122-0	10 10 xbr blocking	6545	7/12/2005	234-122-0	1	234-122-0-	4																																																			
234	122	0 122-0	10 10 xbr blocking	6546	7/12/2005	234-122-0	3	234-122-0-	4																																																			
234	122	0 122-0	17 17 insulators	12338	7/12/2005	234-122-0	1	234-122-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	122	0 122-0	17 17 insulators	12339	7/12/2005	234-122-0	2	234-122-0-	0	0	13	0	Susp	No	13	0	1	1																																										
234	122	0 122-0	17 17 insulators	12340	7/12/2005	234-122-0	2	234-122-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	122	0 122-0	18 18 kneebraces	13091	7/12/2005	234-122-0	3	234-122-0-	1	3	3	4	-1																																															
234	122	0 122-0	18 18 kneebraces	13092	7/12/2005	234-122-0	3	234-122-0-	3	3	3	3	-1																																															
234	123	0 123-0	6 06 cond span/splice	12343	7/12/2005	234-123-0	1	234-123-0-	-1	1																																																		
234	123	0 123-0	9 09 crossbrace	6547	7/12/2005	234-123-0	1	234-123-0-	3	3	3	-1																																																
234	123	0 123-0	9 09 crossbrace	6548	7/12/2005	234-123-0	3	234-123-0-	3	3	3	-1																																																
234	123	0 123-0	10 10 xbr blocking	6547	7/12/2005	234-123-0	1	234-123-0-	3																																																			
234	123	0 123-0	10 10 xbr blocking	6548	7/12/2005	234-123-0	3	234-123-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	123	0 123-0	17 17 insulators	12341	7/12/2005	234-123-0	2	234-123-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	123	0 123-0	17 17 insulators	12342	7/12/2005	234-123-0	0	234-123-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	123	0 123-0	17 17 insulators	12343	7/12/2005	234-123-0	0	234-123-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	123	0 123-0	18 18 kneebraces	13093	7/12/2005	234-123-0	1	234-123-0-	1	4	4	4	-1																																															
234	123	0 123-0	18 18 kneebraces	13094	7/12/2005	234-123-0	3	234-123-0-	3	4	4	4	-1																																															
234	123	0 123-0	18 18 kneebraces	13095	7/12/2005	234-123-0	1	234-123-0-	1	4	4	4	-1																																															
234	123	0 123-0	18 18 kneebraces	13096	7/12/2005	234-123-0	3	234-123-0-	3	4	4	4	-1																																															
234	124	0 124-0	9 09 crossbrace	6549	7/12/2005	234-124-0	1	234-124-0-	3	3	3	-1																																																
234	124	0 124-0	9 09 crossbrace	6550	7/12/2005	234-124-0	3	234-124-0-	3	3	3	-1																																																
234	124	0 124-0	10 10 xbr blocking	6549	7/12/2005	234-124-0	1	234-124-0-	3																																																			
234	124	0 124-0	10 10 xbr blocking	6550	7/12/2005	234-124-0	3	234-124-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	124	0 124-0	17 17 insulators	12344	7/12/2005	234-124-0	2	234-124-0-	0	0	13	0	Susp	No	13	0	1	0																																										
234	124	0 124-0	17 17 insulators	12345	7/12/2005	234-124-0																																																						

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1 01 structure			OBJECTID	TL_Str	TL	Structure	StrucureS	StructureT	InspDate	Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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8 08 crossarm			OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
9 09 crossbrace			OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10 10 xbr blocking			OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Blocking																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
11 11 dampers			OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Neoprene	Stockbridg	Torsional	Stockbri_1	TorsionalC	ConductorV																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
13 13 guy guards			OBJECTID	InspDate	TL_Str	NumGuard	NumNewGuar																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
14 14 guy wires			OBJECTID	InspDate	TL_Str	Condition	NumGuys	NumReplace																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
16 16 insl plumbness			OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Plumbness																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
17 17 insulators			OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	NGK	Sediver	COB	Nema	InsulatorT	Polymer	InsPerStri	InsPerSt_1	NumString	NumStrin_	Replace	Flashed	Failed	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
18 18 kneebraces			OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Side	Checking	Rot	Cracks																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
20 20 clamp/de			OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
22 22 pole			OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Species	Treatment	Height	Class	PoleYear	YearActual	CheckingG	DeepestCh	WidestChe	Penetrates	ShellSepa	ShellSep_1	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	Carpenter#	Woodpeckr	PoleRating	CobraRod	CobraWra	Timbor	EDM_InLin	EDM_InLi_1	EDM_InLi_2	EDM_Perp	EDM_Perp	EDM_Perp	Retention_	Retention1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
24 24 deadend			OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Assembly																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
25 25 OHGW			OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
234	161	0 161-0	17 17 insulators	12301	7/6/2005	234-161-0	3	234-161-0-	0	0	13	0	Susp	No		13	0	1	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

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			1 01 structure	OBJECTID	TL_Str	TL	Structure	StructureS	StructureT	InspDate	Comments																																			
			6 06 cond span/splice	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																				
			8 08 crossarm	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																																	
			9 09 crossbrace	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																																	
			10 10 xbr blocking	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Blocking																																					
			11 11 dampers	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Neoprene	Stockbridg	Torsional	Stockbri_1	TorsionalC	ConductorV																																
			13 13 guy guards	OBJECTID	InspDate	TL_Str	NumGuard	NumNewGuar																																						
			14 14 guy wires	OBJECTID	InspDate	TL_Str	Condition	NumGuys	NumReplace																																					
			16 16 insl plumbness	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Plumbness																																					
			17 17 insulators	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	NGK	Sediver	COB	Nema	InsulatorT	Polymer	InsPerStri	InsPerSt_1	NumString	NumStrin_	Replace	Flashed	Failed	Other																								
			18 18 kneebraces	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Side	Checking	Rot	Cracks	Comments																																	
			20 20 clamp/de	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																				
			22 22 pole	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Species	Treatment	Height	Class	PoleYear	YearActual	CheckingG	DeepestCh	WidestChe	Penetrates	ShellSepar	ShellSep_1	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	Carpenter	Woodpeck	PoleRating	CobraRod	CobraWra	Timbor	EDM_InLinEDM_InLi_ EDM_InLi_ EDM_Perp EDM_Perp EDM_Perp Retention_ Retention1												
			24 24 deadend	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Assembly																																					
			25 25 OHGW	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																				
234	171	0 171-0	17 17 insulators	12328	7/8/2005	234-171-0	3	234-171-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	171	0 171-0	18 18 kneebraces	13071	7/8/2005	234-171-0	1	234-171-0-	1	3	3	3	3																																	
234	171	0 171-0	18 18 kneebraces	13072	7/8/2005	234-171-0	1	234-171-0-	3	3	3	3	3																																	
234	171	0 171-0	18 18 kneebraces	13073	7/8/2005	234-171-0	3	234-171-0-	1	3	3	3	3	3																																
234	171	0 171-0	18 18 kneebraces	13074	7/8/2005	234-171-0	3	234-171-0-	3	3	3	3	3	3																																
234	172	0 172-0	9 09 crossbrace	6538	7/8/2005	234-172-0	1	234-172-0-	3	3	3	3	3																																	
234	172	0 172-0	9 09 crossbrace	6540	7/8/2005	234-172-0	3	234-172-0-	3	3	3	3	3																																	
234	172	0 172-0	10 10 xbr blocking	6538	7/8/2005	234-172-0	1	234-172-0-	3																																					
234	172	0 172-0	10 10 xbr blocking	6540	7/8/2005	234-172-0	3	234-172-0-	3																																					
234	172	0 172-0	11 11 dampers	12330	7/8/2005	234-172-0	3	234-172-0-	0	1	0 B	N/A	N																																	
234	172	0 172-0	13 13 guy guards	4123	7/8/2005	234-172-0	0	6																																						
234	172	0 172-0	17 17 insulators	12329	7/8/2005	234-172-0	1	234-172-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	172	0 172-0	17 17 insulators	12330	7/8/2005	234-172-0	3	234-172-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	172	0 172-0	17 17 insulators	12331	7/8/2005	234-172-0	2	234-172-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	172	0 172-0	22 22 pole	6862	7/8/2005	234-172-0	2	234-172-0- DF	CCA	30 1	1960 A	1 <1	<1/2	Yes	1	0.00	1	1 S	-1.00	-1.00	-1.00	0.00	1	1	1	0	0	0.00	0	0	0.00	0	0	0.00	0.00											
234	173	0 173-0	8 08 crossarm	6553	7/25/2005	234-173-0	1	234-173-0-	3	3	3	-1																																		
234	173	0 173-0	8 08 crossarm	6554	7/25/2005	234-173-0	3	234-173-0-	3	3	3	-1																																		
234	173	0 173-0	9 09 crossbrace	6553	7/25/2005	234-173-0	1	234-173-0-	3	3	3	-1																																		
234	173	0 173-0	9 09 crossbrace	6554	7/25/2005	234-173-0	3	234-173-0-	3	3	3	-1																																		
234	173	0 173-0	10 10 xbr blocking	6553	7/25/2005	234-173-0	1	234-173-0-	4																																					
234	173	0 173-0	10 10 xbr blocking	6554	7/25/2005	234-173-0	3	234-173-0-	4																																					
234	173	0 173-0	13 13 guy guards	4130	7/25/2005	234-173-0	0	6																																						
234	173	0 173-0	17 17 insulators	12350	7/25/2005	234-173-0	1	234-173-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	173	0 173-0	17 17 insulators	12351	7/25/2005	234-173-0	2	234-173-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	173	0 173-0	17 17 insulators	12352	7/25/2005	234-173-0	3	234-173-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	173	0 173-0	18 18 kneebraces	13107	7/25/2005	234-173-0	3	234-173-0-	1	2	2	3	-1																																	
234	174	0 174-0	9 09 crossbrace	6555	7/25/2005	234-174-0	1	234-174-0-	3	3	3	-1																																		
234	174	0 174-0	9 09 crossbrace	6556	7/25/2005	234-174-0	3	234-174-0-	3	3	3	-1																																		
234	174	0 174-0	10 10 xbr blocking	6555	7/25/2005	234-174-0	1	234-174-0-	3																																					
234	174	0 174-0	10 10 xbr blocking	6556	7/25/2005	234-174-0	3	234-174-0-	3																																					
234	174	0 174-0	13 13 guy guards	4131	7/25/2005	234-174-0	2	2																																						
234	174	0 174-0	17 17 insulators	12353	7/25/2005	234-174-0	1	234-174-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	174	0 174-0	17 17 insulators	12354	7/25/2005	234-174-0	2	234-174-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	174	0 174-0	17 17 insulators	12355	7/25/2005	234-174-0	3	234-174-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	175	0 175-0	8 08 crossarm	6557	7/25/2005	234-175-0	2	2	2	2	-1	plw w4t t,o cross arm																																		
234	175	0 175-0	9 09 crossbrace	6557	7/25/2005	234-175-0	1	234-175-0-	3	3	3																		-1																	
234	175	0 175-0	9 09 crossbrace	6558	7/25/2005	234-175-0	3	234-175-0-	3	3	3																		-1																	
234	175	0 175-0	10 10 xbr blocking	6557	7/25/2005	234-175-0	1	234-175-0-	3																																					
234	175	0 175-0	10 10 xbr blocking	6558	7/25/2005	234-175-0	3	234-175-0-	3																																					
234	175	0 175-0	13 13 guy guards	4132	7/25/2005	234-175-0	0	2																																						
234	175	0 175-0	17 17 insulators	12356	7/25/2005	234-175-0	1	234-175-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	175	0 175-0	17 17 insulators	12357	7/25/2005	234-175-0	2	234-175-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	175	0 175-0	17 17 insulators	12358	7/25/2005	234-175-0	3	234-175-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	176	0 176-0	8 08 crossarm	6559	7/25/2005	234-176-0	1	234-176-0-	3	3	3	-1																																		
234	176	0 176-0	8 08 crossarm	6560	7/25/2005	234-176-0	3	234-176-0-	3	3	3	-1																																		
234	176	0 176-0	9 09 crossbrace	6559	7/25/2005	234-176-0	1	234-176-0-	3	3	3	-1																																		
234	176	0 176-0	9 09 crossbrace	6560	7/25/2005	234-176-0	3	234-176-0-	3	3	3	-1																																		
234	176	0 176-0	10 10 xbr blocking	6559	7/25/2005	234-176-0	1	234-176-0-	3																																					
234	176	0 176-0	10 10 xbr blocking	6560	7/25/2005	234-176-0	3	234-176-0-	3																																					
234	176	0 176-0	13 13 guy guards	4133	7/25/2005	234-176-0	2	2																																						
234	176	0 176-0	17 17 insulators	12359	7/25/2005	234-176-0	1	234-176-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	176	0 176-0	17 17 insulators	12360	7/25/2005	234-176-0	2	234-176-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	176	0 176-0	17 17 insulators	12361	7/25/2005	234-176-0	3	234-176-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	176	0 176-0	18 18 kneebraces	13118	7/25/2005	234-176-0	1	234-176-0-	3	2	3	3	-1																																	
234	176	0 176-0	18 18 kneebraces	13119	7/25/2005	234-176-0	3	234-176-0-	1	3	3	3	-1																																	
234	176	0 176-0	18 18 kneebraces	13120	7/25/2005	234-176-0	3	234-176-0-	3	3	3	3	-1																																	
234	177	0 177-0	9 09 crossbrace	6561	7/25/2005	234-177-0	1	234-177-0-	3	3	3	3																																		
234	177	0 177-0	9 09 crossbrace	6562	7/25/2005	234-177-0	3	234-177-0-	3	3	3	3																																		
234	177	0 177-0	10 10 xbr blocking	6561	7/25/2005	234-177-0	1	234-177-0-	3																																					
234	177	0 177-0	10 10 xbr blocking	6562	7/25/2005	234-177-0	3	234-177-0-	3																																					
234	177	0 177-0	13 13 guy guards	4134	7/25/2005	234-177-0	0	2																																						
234	177	0 177-0	17 17 insulators	12362	7/25/2005	234-177-0	1	234-177-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	177	0 177-0	17 17 insulators	12363	7/25/2005	234-177-0	2	234-177-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	177	0 177-0	17 17 insulators	12364	7/25/2005	234-177-0	3	234-177-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	178	0 178-0	9 09 crossbrace	6563	7/25/2005	234-178-0	1	234-178-0-	3	3	3	3																																		
234	178	0 178-0	9 09 crossbrace	6564	7/25/2005	234-178-0	3	234-178-0-	3	3	3	3																																		
234	178	0 178-0	10 10 xbr blocking	6563	7/25/2005	234-178-0	1	234-178-0-	3																																					
234	178	0 178-0	10 10 xbr blocking	6564	7/25/2005	234-178-0	3	234-178-0-	3																																					
234	178	0 178-0	13 13 guy guards	4135	7/25/2005	234-178-0	0	2																																						
234	178	0 178-0	17 17 insulators	12365	7/25/2005	234-178-0	1	234-178-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	178	0 178-0	17 17 insulators	12366	7/25/2005	234-178-0	2	234-178-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	178	0 178-0	17 17 insulators	12367	7/25/2005	234-178-0	3	234-178-0-	0	0	13	0 Susp	No	13	0	1	0																													
234	178	0 178-0	22 22 pole	6866	7/25/2005	234-178-0	1	234-178-0- DF	Penta	65 2	1980 A	2 <1	<1/2	No	2	0.00	2	2 S	-1.00	-1.00	-1.00	40.00	3	-1	2	16 No	-1	0.00	0	0	0.00	0	0	0.00	0.00											
234	179	0 179-0	9 09 crossbrace	6565	7/25/2005	234-179-0	1	234-179-0-	3	3	3	3																																		
234	179	0 179-0	9 09 crossbrace	6566	7/25/2005	234-179-0	3	234-179-0-	3	3	3	3																																		
234	179	0 179-0	10																																											

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			1 01 structure	OBJECTID	TL_Str	TL	Structure	StructureS	StructureT	InspDate	Comments																														
			6 06 cond span/splice	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																															
			8 08 crossarm	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																												
			9 09 crossbrace	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																												
			10 10 xbr blocking	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Blocking																																
			11 11 dampers	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Neoprene	Stockbridg	Torsional	Stockbri_1	TorsionalC	ConductorV																											
			13 13 guy guards	OBJECTID	InspDate	TL_Str	NumGuard	NumNew	Guar																																
			14 14 guy wires	OBJECTID	InspDate	TL_Str	Condition	NumGuys	NumReplace																																
			16 16 insl plumbness	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Plumbness																																
			17 17 insulators	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	NGK	Sediver	COB	Nema	InsulatorT	Polymer	InsPerStri	InsPerSt_1	NumString	NumStrin_	Replace	Flashed	Failed	Other																			
			18 18 kneebraces	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Side	Checking	Rot	Cracks	Other	Comments																											
			20 20 clamp/de	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																															
			22 22 pole	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Species	Treatment	Height	Class	PoleYear	YearActual	CheckingG	DeepestCh	WidestChe	Penetrates	ShellSepar	ShellSep_1	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	CarpenterA	Woodpeckr	PoleRating	CobraRod	CobraWra	Timbor	EDM_In	LinEDM_In	Li_EDM_In	Li_EDM_Perp	EDM_Perp	EDM_Perp	Retention_	Retention1
			24 24 deadend	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Assembly																																
			25 25 OHGW	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																															
234	181	0 181-0	16 16 insl plumbness	12403	7/27/2005	234-181-0	2	234-181-0-	Not OK																																
234	181	0 181-0	17 17 insulators	12401	7/27/2005	234-181-0	1	234-181-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	181	0 181-0	17 17 insulators	12402	7/27/2005	234-181-0	3	234-181-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	181	0 181-0	17 17 insulators	12403	7/27/2005	234-181-0	2	234-181-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	181	0 181-0	18 18 kneebraces	13173	7/27/2005	234-181-0	1	234-181-0-	1	3	3	3	-1																												
234	181	0 181-0	18 18 kneebraces	13174	7/27/2005	234-181-0	1	234-181-0-	3	3	3	3	-1																												
234	181	0 181-0	18 18 kneebraces	13175	7/27/2005	234-181-0	3	234-181-0-	1	3	3	3	-1																												
234	181	0 181-0	18 18 kneebraces	13176	7/27/2005	234-181-0	3	234-181-0-	3	3	3	3	2																												
234	181	0 181-0	20 20 clamp/de	12403	7/27/2005	234-181-0	3	234-181-0-	2	3																															
234	182	0 182-0	9 09 crossbrace	6589	7/27/2005	234-182-0	1	234-182-0-	3	3	3	-1																													
234	182	0 182-0	9 09 crossbrace	6590	7/27/2005	234-182-0	3	234-182-0-	3	3	3	-1																													
234	182	0 182-0	10 10 xbr blocking	6589	7/27/2005	234-182-0	1	234-182-0-	3																																
234	182	0 182-0	10 10 xbr blocking	6590	7/27/2005	234-182-0	3	234-182-0-	3																																
234	182	0 182-0	14 14 guy wires	4150	7/27/2005	234-182-0	Other	0	0																																
234	182	0 182-0	17 17 insulators	12404	7/27/2005	234-182-0	1	234-182-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	182	0 182-0	17 17 insulators	12405	7/27/2005	234-182-0	2	234-182-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	182	0 182-0	17 17 insulators	12406	7/27/2005	234-182-0	3	234-182-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	182	0 182-0	18 18 kneebraces	13177	7/27/2005	234-182-0	1	234-182-0-	1	3	3	3	-1																												
234	182	0 182-0	18 18 kneebraces	13178	7/27/2005	234-182-0	1	234-182-0-	3	3	3	3	-1																												
234	182	0 182-0	18 18 kneebraces	13179	7/27/2005	234-182-0	3	234-182-0-	1	3	3	3	-1																												
234	182	0 182-0	18 18 kneebraces	13180	7/27/2005	234-182-0	3	234-182-0-	3	3	3	3	-1																												
234	183	0 183-0	9 09 crossbrace	6591	7/27/2005	234-183-0	1	234-183-0-	3	3	3	-1																													
234	183	0 183-0	9 09 crossbrace	6592	7/27/2005	234-183-0	3	234-183-0-	3	3	3	-1																													
234	183	0 183-0	10 10 xbr blocking	6591	7/27/2005	234-183-0	1	234-183-0-	3																																
234	183	0 183-0	10 10 xbr blocking	6592	7/27/2005	234-183-0	3	234-183-0-	3																																
234	183	0 183-0	14 14 guy wires	4151	7/27/2005	234-183-0	Other	0	0																																
234	183	0 183-0	17 17 insulators	12407	7/27/2005	234-183-0	1	234-183-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	183	0 183-0	17 17 insulators	12408	7/27/2005	234-183-0	2	234-183-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	183	0 183-0	17 17 insulators	12409	7/27/2005	234-183-0	3	234-183-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	183	0 183-0	18 18 kneebraces	13183	7/27/2005	234-183-0	3	234-183-0-	1	1	1	1	-1 new brace																												
234	184	0 184-0	9 09 crossbrace	6593	7/27/2005	234-184-0	1	234-184-0-	3	3	3	-1																													
234	184	0 184-0	9 09 crossbrace	6594	7/27/2005	234-184-0	3	234-184-0-	3	3	3	-1																													
234	184	0 184-0	10 10 xbr blocking	6593	7/27/2005	234-184-0	1	234-184-0-	3																																
234	184	0 184-0	10 10 xbr blocking	6594	7/27/2005	234-184-0	3	234-184-0-	3																																
234	184	0 184-0	14 14 guy wires	4152	7/27/2005	234-184-0	Other	0	0																																
234	184	0 184-0	17 17 insulators	12410	7/27/2005	234-184-0	1	234-184-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	184	0 184-0	17 17 insulators	12411	7/27/2005	234-184-0	2	234-184-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	184	0 184-0	17 17 insulators	12412	7/27/2005	234-184-0	3	234-184-0-	0	0	13	0	Susp	No	13	0	1	0																							
234	184	0 184-0	18 18 kneebraces	13186	7/27/2005	234-184-0	1																																		

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			1 01 structure	OBJECTID	TL_Str	TL	Structure	StructureS	StructureT	InspDate	Comments																																		
			6 06 cond span/splice	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																			
			8 08 crossarm	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																																
			9 09 crossbrace	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																																
			10 10 xbr blocking	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Blocking																																				
			11 11 dampers	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Neoprene	Stockbridg	Torsional	Stockbri_1	TorsionalC	ConductorV																															
			13 13 guy guards	OBJECTID	InspDate	TL_Str	NumGuard	NumNew	Guar																																				
			14 14 guy wires	OBJECTID	InspDate	TL_Str	Condition	NumGuys	NumReplace																																				
			16 16 insl plumbness	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Plumbness																																				
			17 17 insulators	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	NGK	Sediver	COB	Nema	InsulatorT	Polymer	InsPerStri	InsPerSt_1	NumString	NumStrin_	Replace	Flashed	Failed	Other																							
			18 18 kneebraces	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Side	Checking	Rot	Cracks	Other	Comments																															
			20 20 clamp/de	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																			
			22 22 pole	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Species	Treatment	Height	Class	PoleYear	YearActual	CheckingG	DeepestCh	WidestChe	Penetrates	Shell	Separ	ShellSep_1	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	CarpenterA	Woodpeck	PoleRating	CobraRods	CobraWra	Timbor	EDM_InLin	EDM_InLi_	EDM_InLi_	EDM_Perp	EDM_Perp	EDM_Perp	Retention_	Retention1			
			24 24 deadend	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Assembly																																				
			25 25 OHGW	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																																			
234	205	0 205-0	10 10 xbr blocking	6647	8/1/2005	234-205-0	1	234-205-0-	3																																				
234	205	0 205-0	10 10 xbr blocking	6648	8/1/2005	234-205-0	3	234-205-0-	0																																				
234	205	0 205-0	17 17 insulators	12491	8/1/2005	234-205-0	1	234-205-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	205	0 205-0	17 17 insulators	12492	8/1/2005	234-205-0	2	234-205-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	205	0 205-0	17 17 insulators	12493	8/1/2005	234-205-0	3	234-205-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	205	0 205-0	18 18 kneebraces	13293	8/1/2005	234-205-0	1	234-205-0-	1	3	3	3	3	3																															
234	205	0 205-0	18 18 kneebraces	13294	8/1/2005	234-205-0	1	234-205-0-	3	3	3	3	3	3																															
234	205	0 205-0	18 18 kneebraces	13295	8/1/2005	234-205-0	3	234-205-0-	1	3	3	3	3	3																															
234	205	0 205-0	18 18 kneebraces	13296	8/1/2005	234-205-0	3	234-205-0-	3	3	3	3	3	3																															
234	206	0 206-0	9 09 crossbrace	6649	8/1/2005	234-206-0	1	234-206-0-	3	3	3	3	3																																
234	206	0 206-0	9 09 crossbrace	6650	8/1/2005	234-206-0	3	234-206-0-	3	3	3	3	3																																
234	206	0 206-0	10 10 xbr blocking	6649	8/1/2005	234-206-0	1	234-206-0-	3																																				
234	206	0 206-0	10 10 xbr blocking	6650	8/1/2005	234-206-0	3	234-206-0-	3																																				
234	206	0 206-0	17 17 insulators	12494	8/1/2005	234-206-0	1	234-206-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	206	0 206-0	17 17 insulators	12495	8/1/2005	234-206-0	2	234-206-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	206	0 206-0	17 17 insulators	12496	8/1/2005	234-206-0	3	234-206-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	206	0 206-0	22 22 pole	6982	8/1/2005	234-206-0	1	234-206-0- DF	Penta	70 2	1980 A	2 <1	<1/2	No		2	0.00	2	2 S	-1.00	-1.00	-1.00	54.00	3	-1	2	16 No	-1	0.00	0	0	0.00	0	0	0.00	0.00									
234	207	0 207-0	9 09 crossbrace	6651	8/1/2005	234-207-0	1	234-207-0-	3	3	3	3	3																																
234	207	0 207-0	9 09 crossbrace	6652	8/1/2005	234-207-0	3	234-207-0-	3	3	3	3	3																																
234	207	0 207-0	10 10 xbr blocking	6651	8/1/2005	234-207-0	1	234-207-0-	3																																				
234	207	0 207-0	10 10 xbr blocking	6652	8/1/2005	234-207-0	3	234-207-0-	3																																				
234	207	0 207-0	17 17 insulators	12497	8/1/2005	234-207-0	1	234-207-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	207	0 207-0	17 17 insulators	12498	8/1/2005	234-207-0	2	234-207-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	207	0 207-0	17 17 insulators	12499	8/1/2005	234-207-0	3	234-207-0-	0	0	13	0 Susp	No		13	0	1	0																											
234	207	0 207-0	18 18 kneebraces	13301	8/1/2005	234-207-0	1	234-207-0-	1	3	3	3	3	3																															
234	207	0 207-0	18 18 kneebraces	13302	8/1/2005	234-207-0	1	234-207-0-	3	3	3	3	3	3																															
234	207	0 207-0	18 18 kneebraces	13303	8/1/2005	234-207-0	3	234-207-0-	1	3	3	3	3	3																															
234	207	0 207-0	18 18 kneebraces	13304	8/1/2005	234-207-0	3	234-207-0-	3	3	3	3	3	3																															
234	208	0 208-0	8 08 crossarm	6653	8/2/2005	234-208-0	1	234-208-0-	3	3	3	3	3																																
234	208	0 208-0	8 08 crossarm	6																																									

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			1 01 structure	OBJECTID	TL_Str	TL	Structure	StructureS	StructureT	InspDate	Comments																				
			6 06 cond span/splice	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																					
			8 08 crossarm	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																		
			9 09 crossbrace	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Checking	Rot	Cracks	Other	Comments																		
			10 10 xbr blocking	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Blocking																						
			11 11 dampers	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Neoprene	Stockbridg	Torsional	Stockbri_1	TorsionalC ConductorV																		
			13 13 guy guards	OBJECTID	InspDate	TL_Str	NumGuard	NumNewGuar																							
			14 14 guy wires	OBJECTID	InspDate	TL_Str	Condition	NumGuys	NumReplace																						
			16 16 insl plumbness	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Plumbness																						
			17 17 insulators	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	NGK	Sediver	COB	Nema	InsulatorT	Polymer	InsPerStri	InsPerSt_1	NumString	NumStrin_	Replace	Flashed	Failed	Other									
			18 18 kneebraces	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Side	Checking	Rot	Cracks	Comments																		
			20 20 clamp/de	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																					
			22 22 pole	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Pol	Species	Treatment	Height	Class	PoleYear	YearActual	CheckingG	DeepestCh	WidestChe	Penetrates	ShellSepa	ShellSep_1	ExternalDe	InternalDe	ShellThick	ShellThi_1	ShellThi_2	ShellThi_3	Groundline	Carpenter	Woodpeck	PoleRating	
			24 24 deadend	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Assembly																						
			25 25 OHGW	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Phi	Wear	BrokenStra																					
234	216	0 216-0	17 17 insulators	12524	8/4/2005	234-216-0	1	234-216-0-	0	0	13	0 Susp	No	13	0	1	0														
234	216	0 216-0	17 17 insulators	12525	8/4/2005	234-216-0	2	234-216-0-	0	0	13	0 Susp	No	13	0	1	0														
234	216	0 216-0	17 17 insulators	12526	8/4/2005	234-216-0	3	234-216-0-	0	0	13	0 Susp	No	13	0	1	0														
234	217	0 217-0	13 13 guy guards	4189	8/4/2005	234-217-0	0	2																							
234	217	0 217-0	17 17 insulators	12527	8/4/2005	234-217-0	1	234-217-0-	0	0	26	0 Susp	No	13	0	2	0														
234	217	0 217-0	17 17 insulators	12528	8/4/2005	234-217-0	2	234-217-0-	0	0	26	0 Susp	No	13	0	2	0														
234	217	0 217-0	17 17 insulators	12529	8/4/2005	234-217-0	3	234-217-0-	0	0	26	0 Susp	No	13	0	2	0														
234	218	0 218-0	9 09 crossbrace	6673	8/4/2005	234-218-0	1	234-218-0-	3	3	3	3																			
234	218	0 218-0	9 09 crossbrace	6674	8/4/2005	234-218-0	3	234-218-0-	3	3	3	3																			
234	218	0 218-0	10 10 xbr blocking	6673	8/4/2005	234-218-0	1	234-218-0-	3																						
234	218	0 218-0	10 10 xbr blocking	6674	8/4/2005	234-218-0	3	234-218-0-	3																						
234	218	0 218-0	17 17 insulators	12530	8/4/2005	234-218-0	1	234-218-0-	0	0	65	0 Susp	No	13	13	1	2														
234	218	0 218-0	17 17 insulators	12531	8/4/2005	234-218-0	2	234-218-0-	0	13	52	0 Susp	No	13	13	1	2														
234	218	0 218-0	17 17 insulators	12532	8/4/2005	234-218-0	3	234-218-0-	0	13	52	0 Susp	No	13	13	1	2														

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IC-59 NLH
Attachment 1, page 37 of 39
NLH 2007 CBA

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IC-59 NLH

Attachment 1, page 38 of 39

NLH 2007 CBA

			1 01 structur	OBJECTID	TL_Str	TL	Structure	StructureS	StructureT	InspDate	Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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			1 01 structur	OBJECTID	TL_Str	TL	Structure	StructureS	StructureT	InspDate	Comments
			3 03 susp clt	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Wear	Replace	
			6 06 cond sp	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Wear	BrokenStra	
			8 08 crossar	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Po	Checking	Rot	Cracks
			9 09 crossbr	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Po	Checking	Rot	Cracks
			10 10 brace b	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Po	Blocking		Other
			11 11 damper	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Neoprene	Stockbridg	Torsional
			12 12 guy griç	OBJECTID	InspDate	TL_Str	Condition		NumReplace	Stockbri_1	TorsionalC
			13 13 guards	OBJECTID	InspDate	TL_Str	NumGuard	NumNewGuar		ConductorV	
			14 14 guy wirn	OBJECTID	InspDate	TL_Str	Condition	NumGuys	NumReplace		
			15 15 insl har	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Condition		
			16 16 insl plur	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Plumbness		
			17 17 insulato	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	NGK	Sediver	COB
			20 20 clamp/c	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Wear	BrokenStra	Nema
			21 21 fdn con	OBJECTID	InspDate	TL_Str	Condition	RepairRepl		InsulatorT	Polymer
			22 22 pole	OBJECTID	InspDate	TL_Str	PolePositi	TL_Str_Po	Species	Treatment	Height
			23 23 anchor	OBJECTID	InspDate	TL_Str	Condition	NumRock	NumEarth	NumRockR	NumEarthRe
			24 24 deaden	OBJECTID	InspDate	TL_Str	Phase	TL_Str_Ph	Assembly	Class	
250	243	0 243-0	9 09 crossbr	6893	5/25/2005	250-243-0	1	250-243-0-	2	2	2
250	244	0	1 01 structur	4300	250-244-0	250	244	0 A	5/25/2005	PMI	2 Pole wet inside around X Brace
250	479	0	1 01 structur	3092	250-479-0	250	479	0 A	2/1/2004	Right pole to be replaced	
250	479	0 479-0	6 06 cond sp	9258	2/1/2004	250-479-0	1	250-479-0-	3	0	
250	479	0 479-0	15 15 insl har	9258	2/1/2004	250-479-0	1	250-479-0-	3		
250	479	0 479-0	20 20 clamp/c	9258	2/1/2004	250-479-0	1	250-479-0-	3	0	
250	479	0 479-0	22 22 pole	5117	2/1/2004	250-479-0	1	250-479-0- DF	Penta	60 4	1988
250	481	0 481-0	6 06 cond sp	9261	2/1/2004	250-481-0	1	250-481-0-	3	0	3 <1
250	481	0 481-0	6 06 cond sp	9263	2/1/2004	250-481-0	3	250-481-0-	3	0	<1/2
250	481	0 481-0	15 15 insl har	9261	2/1/2004	250-481-0	1	250-481-0-	3		Yes
250	481	0 481-0	15 15 insl har	9263	2/1/2004	250-481-0	3	250-481-0-	3		2
250	481	0 481-0	20 20 clamp/c	9261	2/1/2004	250-481-0	1	250-481-0-	3	0	0.0
250	481	0 481-0	20 20 clamp/c	9263	2/1/2004	250-481-0	3	250-481-0-	3	0	2
									0.0	0.0	0.0
									37.0	2	2
									2	2	2
									0	0	0
									0	11.5	0
									4170	0.0	0
									0	0	0.0
									0.0	0.0	0.0



ENGINEERING DESIGN

Subject: Tolerated Defects - TL 201.

Made By: K. Tucker

Date: Dec 19/05.

Page 1 of 5

Sta./Sub.	Details.
213-0	COB-1-CØ.
215-0	COB-1-RØ.
216-0	Guy Wires + Guy Rings (GW+GR) - matched other. COB-1-CØ.
217-0	Light Vibration noted, Neoprene dampers present. Eyebolts worn flush - all places. Left Pole, rated 4, ID=4, - 2" shell, 5" cavity, bottom brace. Right Pole, rated 3, ID=3, - 4" shell, 2" cavity, knee brace.
218-0	Light Vibration noted, Neoprene dampers present. Left Pole - rated 4, CD=3, ID=4, 2" shell, 4" cavity, bottom brace + butt.
219-0	Broken Strands - 2, Right Ø. Light Vib. noted, Neo. damp. present.
220-0	" " " " " "
221-0	Right Pole, rated 4, ED=4, ID=3, shell sep=4, "stelly, not good to climb" Lft. Vib. noted, Neo. damp present. Left Pole, rated 2, checking=4.
222-0	Lt. Vib. noted, Neo. damp. present. Right Pole, rated 4, ED=4, ID=3, shell sep=3
223-0	Lt. Vib. noted, neo. damp present. Old pole left - clean up site.
224-0	Left Pole, rated 2, shell sep=3 Right Pole, rated 3, 6" shell, ID, shell sep=3.
225-0	Left Pole - 4" shell, 2" cavity at bottom x-brace (no pole rating or note
226-0	Right Pole - rated 2, shell sep=3.
227-0	Cross arm rated 3 for checking 4 other, "twisted, split, bowed, short arm / jumper Torsional dampers moved - all places. COB Insulators - 1 → CØ, 1 → RØ. Centre Pole, rated 4, 3" shell, 3" cavity at arm, shell sep=3, ID=4.
229-0	Left pole, rated 3, ED=3, shell sep=3, stelly, not good for climbing.
231-0	COB Insulator, 1 → CØ.
232-0	Left Pole, rated 3, ED=3, shell sep=3, } very stelly, weather beaten on Right Pole, rated 3, ED=3, shell sep=3, } side, not good for climbing.



ENGINEERING DESIGN

Subject: _____

TL201

Made By: _____

Date: _____

Page 2 of 5

- str/Sup Details.
- 234-0 Left pole, rated 3, shell sep = 3, ED = 3, ext shelly, top leaning bad, not good for climbing.
- 235-0 Left pole, rated 3, shell sep = 3, 2' bend, not good for working.
- 236-0 Light vibs, noted.
- 237-0 Right pole, rated 3, ED = 3, shell sep = 3, shelly, not good for climbing.
- 238-0 Right pole has 6" top - overloaded - HAS GUYS - CHECKED OK
- 239-0 Crib rotten.
- 240-0 COB Insulation, RØ = 1
Right Pole, rated 4, 2" shell, 3" cavity @ x-arm, 2" cavity @ top brace ID = 4,
COB Ins. RØ = 1
- 241-0 Right Pole, rated 3, shell sep = 3, ED = 3, shelly, not good for climbing.
- 242-0 Right Pole, rated 3, shell sep = 3,
- 244-0 ~~COB Ins. CRIB Rot.~~
Right Pole, rated 2, shell sep = 4,
- 245-0 Dampers, LØ & CØ, moved - can reach with boom.
Left Pole, rated 3,
Right Pole, rated 3, ID = 3, 1.5" shell noted - no location, no comment.
- 248-0 Light vibs noted.
- 249-0 " " "
- Insulation, LØ & CØ not OK.
- 250-0 Left Pole - rated 2, ED = 3.
- 251-0 Left Pole, rated 3, shell sep = 3,
Right Pole, rated 4, shell sep = 4,
- 253-0 Broken struts, RØ.
Right Pole, rated 2, shell sep = 3.
- 254-0 Crib rot.
Right Pole, rated 4, 1.5" shell - no ~~location~~ location, ED = 3, shell sep = 4.
- 255-0 Ins not plumb, all places.
Left Pole, rated 2, shell sep = 3.
- 256-0 Left pole, rated 4, 3-4" shell at bottom brace, ID = 4,
- 257-0 Crib rotten.
- 260-0 COB Ins. CØ = 1
Left Pole, rated 3, shell sep = 3, not good for climbing.



ENGINEERING DESIGN

Subject: TL 201

Made By: _____ Date: _____ Page 3 of 5

- str/sub. Details.
- 261-0 Str leaning to load.
LØ eyebolt worn flush.
- 262-0 Crossarm reted 3.
- 263-0 Eyebolts worn flush, all phases.
- 264-0 Left Pole, reted 2, ID=3,
Right Pole, reted 3, shell sep=3.
- 265-0 Broken insulator, LØx1.
- 266-0 Left pole, reted 3, shell sep=3,
Right Pole, reted 3, shell sep=3, 1.5" cavity top brace.
- 268-0 Str leaning to source, needs gung.
- 270-0 Insl not plumb, all phases.
- 271-0 Left Pole, reted 4, 2.5" shell all around, top x-brace, ID=4, shell sep=3.
Right Pole, reted 4, 2" shell all around, bottom x-brace, ID=4, shell=3.
- 272-0 Light to mod. vib, all phases.
Insl not plumb, all phases.
- 273-0 Moderate vibration, all phases.
Insl not plumb, all Ø.
Crib rotten.
- 275-0 Light vib, all Ø.
- 277-0 Preform, top left pole, corroded, replace.
- 278-0 Left pole, reted 2, ID=3, ID=3, shell=4, ~~very~~ stelly, cavity bottom brace, needs be repl.
- 279-0 Left pole, reted 2, cleching=3.
- 281-0 Crossarm, reted 3 for cleching.
Left Pole, reted 2, shell sep=3.
Right Pole, reted 2, shell sep=3.
- 282-0 Eyebolts, all Ø worn flush.
Cob Insl, RØ=11, CØ=5.
- 283-0 Cob Insl, LØ=21, CØ=22, RØ=14.
- 284-0 Crossarm, reted 4, rotten on end, slant arm. (Decided)
Cob Insl, LØ=15, CØ=12, RØ=18.
- 284-1 Cob Insl, LØ=20, CØ=14, RØ=23
CØ=15, CØ=15, CØ=15, CØ=15



ENGINEERING DESIGN

Subject: _____

TL201

Made By: _____

Date: _____

Page 4 of 5

- Str/Sub. Details.
- 285-0 Left Pole, rated 4, 1.5" shell, no location, ID=4,
Right Pole, rated 4, 1.5" shell, no location, ID=4,
Str leaning to source.
- 286-0 Str leaning to load.
Left Pole, 1" hole @ butt. no pole defect record showing this.
- 287-0 Str leaning to load.
Inst plumbness, not ok all ϕ .
- 289-0 Damper, L ϕ , moved.
COB Inst. C ϕ = 2
Left Pole, rated 4, CA=3, condensed 12" down from top.
- 291-0 Left Pole, rated 4, WP=3, 2" shell, no location, ID=4, ED=3, shell=3.
- 292-0 Left Pole, rated 4, CA=3, 2-2.5" shell @ butt, ID=4,
Right Pole, rated 4, CA=3, 1.5-2" shell @ butt, ID=4, shell sep=4.
- 294-0 Str. leaning to load.
Inst plumbness not ok.
Left Pole, rated 3, shell=3, checking=3.
Right Pole, rated 3, WP=3, shell=3.
- 295-0 Left Pole, rated 3, shell=3, checking=3.
Right Pole, rated 4, CA=4, 2.5" shell, ID=3.
- 296-0 Right Pole, rated 4, CA=4.
- 298-0 COB Inst, C ϕ =1.
Left Pole, rated 4, CA=5, ID=4.
- 299-0 Left Pole, rated 4, 2.5" shell - no location, ED=3, shell sep=5
Right Pole, rated 4, CA=5, ID=4, 2-3" shell GL - brace
- 301-0 Right Pole, rated 2, shell=3, checking=3.
- 304-0 COB Inst. C ϕ =2, RP=2.
Right Pole, rated 4, WP=3, CA=4, 1.5-2.5" shell, ID=4, Ants, lower brace.
- 305-0 L ϕ Decend rated 5.
- 306-0 R ϕ Suspension clamp, 30% wear, replace.
Gossam, rated 4 - rotten.
Guy Wire - Guy G ϕ 7.5 marked as "6 then".
Insulation Plumbness - not ok all 3 ϕ .



ENGINEERING DESIGN

Subject: TL 201

Made By: _____ Date: _____ Page 5 of 5

Str/Suf. Details.

306-0
Cont'd. COB Insl, $R\phi = 1$
Broken Insl, $C\phi = 1$
1 Broken strand, Left ϕ .
Left Pole, rated 4, $CA = 4$, 1.5" shell, $ID = 4$.

308-0 Knee braces, (#3) rated 5 for other.
Left Pole, rated 4, $CA = 4$, 1.5" shell, $ID = 4$, clearing = 3.

309-0 str leaning to load.
COB Insl, $L\phi$.

310-0 Crossbraces (both) rated 4.
Blocking rotten.
Left Pole, rated 2, shell gap = 3.

311-0 COB Insl, $C\phi = 2$

312-0 COB Insl, $C\phi = 1$, $R\phi = 7$.
Left Pole, rated 4, $WP = 3$, 2" shell - no location, $ID = 4$.
Right Pole, rated 4, $WP = 3$, 2" shell - no location, $ID = 4$.



ENGINEERING DESIGN

Subject: Tabled Defects - R220.

Made By: L. Tucker

Date: Jan 9/05

Page 1 of 8

str/seq.	Details:
2-0	x-brace - rot = 3.
3-0	x-arm - check = 3.
	x-brace - check = 3
5-0	1 broken strand, CP + LQ.
6-0	1 wsl plumbness not OK.
7-0	x-brace - checking = 3.
8-0	1 broken strand, CP + RQ.
10-0	x-arm - rated 3 checking.
14-0	light vib. noted, armor rods
15-0	" " "
16-0	Modest " " , armor rods
17-0	x-arm, check = 3.
	light vib.
20-0	1 wsl, CP + RQ, 7 fished, 7 replace.
	R. pole, rated 3, shell = 3 (50')
21-0	L. pole, rated 3, checking = 3, check pen. gl. No Ant ~~rot~~ rating, puts in pole, 5' cavity 3" shell.
	R. pole, rated 2, " "
22-0	L. pole, rated 2, checking = 3.
	R. pole, rated 4, 2-3" shell, ID = 4, checking = 3.
23-0	R. pole, rated 2, chk = 3.
24-0	R. pole, rated 3, chk = 3.
27-0	"Needs side guys"
29-0	R. pole, rated 2, chk = 3.
33-0	Guy guys down rated "other"
	L. pole, rated 2, chk = 3.
	R. pole, rated 2, chk = 3.
35-0	"Left pole in for replacement already" ← ??
36-0	L. pole, rated 3, split through top down below arm. (OK sk).
38-0	L. pole, rated 3, shell = 3 (60').
43-0	Guy wires + Guy Grops rated "other"
44-0	Guy guards - 2 req'd.



ENGINEERING DESIGN

Subject: _____

TL 210

Made By: _____

Date: _____

Page 2 of 8

Test/Sub Details

46-0 Guy G-10 + Guy wire - other.

R. Pole, rated 3, checking = 3.

47-0 L. Pole, rated 2, shell = 3 (50')

R. Pole, rated 2, shell = 3 (50')

48-0 R. Pole, rated 3, CA = 3, 3" shell.

49-0 L. Pole, rated 3, CA = 3, shell = 3-4", 3 ft up from ground.

R. Pole, rated 4, - no reason.

50-0 Guy wires + guy signs - other.

51-0 Not off centre DA assembly.

R. Pole, rated 3, CA = 3.

53-0 X-arm = 3-4, checks = 4, rot = 3. C-stn.

Coil in shell, R ϕ = 3.

C. Pole, rated 3, shell = 3, 55'

54-0 Double arm plate loose.

55-0 Double arm brackets loose all ϕ .

L. Pole, rated 2, checking = 3.

R. Pole, rated 3, CA = 3, checking = 3.

58-0 R. Pole, rated 3, shell sep = 3 (50') checking = 3.

59-0 L. Pole, rated 2, checking = 3, shell sep = 3 (60')

R. Pole, rated 2, checking = 3.

60-0 double arm plates slack all ϕ .

61-0 L. Pole, rated 2, check = 3.

62-0 R. Pole, rated 2, shell sep.

64-0 R. Pole, rated 2, ID = 3.

65-0 L. Pole, rated 2, 3-7" shell, check = 3.

67-0 1 x 1/2" V-b noted

68-0 " " "

70-0 L. Pole, rated 3, shell sep = 3 (35'), ED = 3.

C. Pole, rated 3, " " 3 (35'), ED = 3.

R. Pole, rated 3, " " 3 (35'), ED = 3.

71-0 1 x 1/2" not plumb, needs FL Guy.

1 broken strand, R ϕ .



ENGINEERING DESIGN

Subject: 1L 210

Made By: _____ Date: _____ Page 3 of 8

Str/Sub.	Details.
72-0	L. Pole, rated 2, shell = 3 (35'), ED = 3, R. Pole, rated 2, shell = 3 (35'), ED = 3.
73-0	L. Pole, rated 2, 7 w/holes, 2-3" deep.
74-0	X-arm, rated 5, other. L. Pole, rated 2, 3-4" shell,
80-0	X-brace - loose bolts. DA cracks, slack. 2 broken strands, CØ.
	R. Pole, rated 2, checks = 3.
81-0	R. Pole, rated 2, CA = 3, 3" shell, 10 = 3,
82-0	DA on loose, all Ø. X-arm rated 3 - other.
83-0	Str leaning to source. X-brace on source side needs rep. L. Pole, rated 3, CA = 3, 2-5" shell,
84-0	X-brace, centre bolt slack.
85-0	DA on bolts slack, all Ø. CØ string floored.
86-0	L. Pole, rated 5, WP = 3, CA = 5, 1/2" shell, } checks to see if already done. C. Pole, rated 5, WP = 3, CA = 5, 1/2" shell,
88-0	R. Pole, rated 5, - no reason. * ???
89-0	L. Pole, rated 2, ED = 3. R. Pole, rated 2, ED = 3.
90-0	X-brace, 3 - checks & cracks. ~~trans~~ 1/2" x 1/2" L & R Ø. L. Pole, rated 5, WP = 5, 1" shell, 10 = 5, ED = 4, shell exp = 4 (45') R. Pole, rated 5, WP = 5, 1/2-1" shell, 10 = 5, ED = 4, shell exp = 4 (45')
91-0	L. Pole, rated 2, shell = 3 (40')
92-0	L. Pole, rated 2, checking = 3. X-brace, cracks = 3.
93-0	R. Pole, rated 2, checking = 3.



ENGINEERING DESIGN

Subject: 16210

Made By: _____ Date: _____ Page 4 of 8

- Str/Suf. Defn/bs.
- 94-0 L. Pole, rated 2, checking = 3.
- 95-0 X-arm, rated 5.
L. Pole, rated 2, checking = 3.
- 96-0 L. Pole, rated 4, CA=4, 1.0-1.5' shell, ID=4.
R. Pole, rated 4, CA=4, 1.5-2.5' shell, ID=3.
- 97-0 L. Pole, rated 2, check = 3.
- 98-0 L. Pole, rated 2, checking = 3.
R. Pole, rated 2, 4-5' shell.
- 99-0 Light vib noted.
R. Pole, rated 4, CA=5, 1-3' shell, ID=5, ED=3, check = 3.
- 100-0 L. Pole, rated 2, shell = 3 (10').
R. Pole, rated 2, split in top, and split but neg'd.
- 101-0 LØ damper missing.
L. Pole, rated 2, ED=3, shell = 3 (5.5').
R. Pole, rated 2, ED=3, shell = 3 (5.5').
- 102-0 DA plates loose, all Ø.
LØ flushed.
- 105-0 R. Ø, 1 strand broken.
- 106-0 DA plates loose - all Ø.
- 107-0 X-brace centre bolt slack.
- 108-0 LØ, 7 insulators flushed, 4 to be replaced.
light vib. noted.
- 109-0 C. Pole, rated 2, CA=3, ID=3.
- 110-0 No X-brace.
- 111-0 LØ DA assembly + nut missing.
R. Pole, rated 2, ED=3.
- 117-0 R. Pole, rated 4, CA=4, 2-5' shell.
- 118-0 L. Pole, rated 2, CA=3.
- 121-0 L. Pole, rated 2, check = 3.
R. Pole, rated 2, check = 3.
- 123-0 Leaning to left, final plank down not OK.
R. Pole, rated 2, ED=3.



ENGINEERING DESIGN

Subject: TL 210

Made By: _____ Date: _____ Page 5 of 8

str/seg Details:

- 124-0 Broken strand, $LP=1$, $CP=1$
2 Guy guards req'd.
- 125-0 R. Pole, rated 2, shell sep = 3 (50').
- 126-0 R. Pole, rated 2, clack = 3.
- 127-0 X-brace - center both struts.
- 129-0 R. Pole, rated 4, 1.5-3" shell, clack = 3, $CP=4$.
- 130-0 L. Pole, rated 2, $ED=3$,
R. Pole, rated 3, $ED=3$, shell = 4 (50').
- 133-0 L. Pole, rated 2, shell = 3 (45'),
R. Pole, rated 2, shell = 3 (65').
- 135-0 DA plates loose.
- 136-0 L. Pole, rated 3, no reason.
- 138-0 L. Pole, rated 2, shell = 3 (15').
- 139-0 Guy guard - 1 req'd.
- 140-0 R. Pole, rated 4, 1-2 3" shell, $CP=5$.
- 141-0 R. Pole, rated 2, $LP=5$, clack = 3.
- 142-0 X-arm rated 4.
- 144-0 Guy guards - 5 req'd.
- 145-0 R. Pole, rated 2, shell = 3 (70').
- 146-0 R. Pole, rated 4, $ID=4$, 1" shell.
- 148-0 L. Pole, rated 2, shell = 3 (30')
R. Pole, rated 3, shell = 5 (50').
- 150-0 R. Pole, rated 2, clack = 3.
- 151-0 R. Pole, rated 2, shell = 3 (70').
- 152-0 L. Pole, rated 4, no reason.
- 153-0 R. Pole, rated 2, shell = 3.
- 154-0 R. Pole, rated 2, shell = 3.
- 155-0 L. Pole, rated 4, 2-3" shell, $ID=4$,
C. Pole, rated 4, 0.5-2" shell, $ID=5$.
- 157-0 Not Missing - DA plates.
- 159-0 L. Pole, rated 2, shell = 3 (50').



ENGINEERING DESIGN

Subject: _____

1L 210

Made By: _____

Date: _____

Page 6 of 8

Str/Sq. Details:

162-0 X-arm = 3, split.

Insul hardware, LØ = loose, CØ = missing nut.

163-0 X-brace, nut missing, top left.

164-0 Needs insul gung, - leaning to source.

LØ, 2 broken strands at clamps & in ~~strands~~ pair

X-arm ret'd 3,

Insul hardware not OK.

165-0 L. Pole, ret'd 3, EO = 3, shell = 4 (65')

R. Pole, ret'd 2, shell = 3 (65').

166-0 R. Pole, ret'd 2, WP = 5,

167-0 DA assembly, bolt missing RØ.

171-0 X-brace (top), piece sq (ft 88).

L. Pole, ret'd 2, ID = 3,

R. Pole, ret'd 2, ID = 3, shell = 3 (50').

172-0 L. Pole, ret'd 3, ID = 4, shell = 5 (60').

R. Pole, ret'd 3, ID = 4, shell = 5 (60'), chlk = 4.

173-0 L. Pole, ret'd 2, shell = 3 (55')

R. Pole, ret'd 2, shell = 3 (55').

174-0 6 guy guards req'd.

R. Pole, ret'd 2, shell = 4 (60')

175-0 4 guy guards req'd.

L. Pole, ret'd 2, WP = 3, shell = 4 (60')

R. Pole, ret'd 2, shell = 3 (60').

176-0 R. Pole, ret'd 4, 2 - 2.5' shell, ID = 3, chlk = 3.

177-0 R. Pole, ret'd 2, WP = 5.

179-0 CØ, 7 flooded insulator.

L. Pole, ret'd 2, shell = 3.

R. Pole, ret'd 2, shell = 3.

LØ deadend ret'd 5.

180-0 L. Pole, ret'd 2, shell = 4 (50')

R. Pole, ret'd 2, shell = 4 (50').

181-0 6 Guy guards req'd.

Subject: _____

 Made By: _____ Date: TL210 Page 7 of 8

- | Str/Suf. | Details. |
|----------|--|
| 183-0 | R. Pole, rated 5, CA=3, 0.5" shell, ID=5, |
| 184-0 | L. Pole, rated 2, chlk=3.
R. Pole, rated 3, CA=3, 4" shell, ID=3, |
| 185-0 | L. Pole, rated 2, chlk=3,
R. Pole, rated 5, 0.5" shell, ID=5, |
| 186-0 | DA assembly loose. |
| 187-0 | L. Pole, rated 2, chlk=3
R. Pole, rated 2, chlk=3. |
| 188-0 | X-brace rated 4 - rot.
L. Pole, rated 2, chlk=4.
R. Pole, rated 4, CA=5, 1-1.5" shell, ID=4 |
| 189-0 | L. Pole, rated 4, CA=5, 1.5-2.5" shell, ID=5,
R. Pole, rated 3, CA=4, 3-4" shell, ID=3, |
| 190-0 | R. Pole, rated 2, CA=5, solid ??? no + not mark. |
| 191-0 | L. Pole, rated 4, CA=5, 3" shell, ID=3, |
| 192-0 | R. Pole, rated 2, shell=3(50'). |
| 193-0 | L. Pole, rated 2, ID=3,
R. Pole, rated 2, ID=3, |
| 195-0 | L. Pole, rated 2, ID=3,
R. Pole, rated 2, ID=3, |
| 196-0 | 10 Guy guards req'd.
L. Pole, rated 2, ID=3,
C. Pole, rated 2, ID=3,
R. Pole, rated 2, ID=3, shell=3(50') chlk=3.
14 Earth anchors rated good but marked replace - assume error? |
| 198-0 | L. Pole, rated 4, CA=5, 2-3" shell, chlk=3.
R. Pole, rated 2, chlk=3. |
| 199-0 | L. Pole, rated 2, chlk=3
R. Pole, rated 2, chlk=3. |
| 200-0 | L. Pole, rated 4, CA=4, 2-4" shell, chlk=3.
X-arm rated 3 for checking. |



ENGINEERING DESIGN

Subject: TL210

Made By: _____ Date: _____ Page 8 of 8

Str/Seq. Details.

201-0 Str leaning to load.
4 slash guys - tighten to replace.
Adm sil mesh

202-0 Str leaning to load.
L. Pole, rated 2, chk=3.

205-0 Str leaning to load - IL guys req'd.

207-0 L. Pole, rated 2, chk=3.
R. Pole, rated 4, CA=4, 2-3" still.

209-0 Loose bolts, bottom brace.

210-0 R. Pole, rated 2, ED=3.

211-0 C. Pole, rated 4, CA=5, 1.5-3" still, ID=5.

212-0 R. Pole, rated 4, CA=5, 2-4" still, ID=3, chk=3.

214-0 8 guy guards req'd.
L. Pole, rated 5, CA=5, 1-1.5" still, ID=3.

215-0 Str leaning to load. IL guys req'd.
L. Pole, rated 2, ED=3, still=4 (50').
R. Pole, rated 2, ID=4 (solid?).

216-0 6 guy guards req'd.

218-0 L. Pole, rated 3, ID=3.

220-0 R. Pole, rated 2, CA=3.



ENGINEERING DESIGN

Subject: Tabulated Defects - TL2R.

Made By: K. Tucker.

Date: December 19, 2005. Page 1 of 4

Str/Supp.	Defects.
88-0	Left Pole, rated 3, shell separation full length, checking. Right pole, rated 3,
89-0	Blocking - rated 5. Guy grips & wires marked as "other" - no comments.
90-0	Guy grips & wires marked as "other" - no comments.
91-0	Blocking - rated 4. Guy grips & wires marked as "other" - no comments.
92-0	Left Pole - rated 4, Carpenter Ants, ID=5, - comment - replace, not treated. Guy grips & wires marked "other" - no comments.
93-0	Guy grips & wires marked "other" - no comments.
95-0	Cross braces rated 3 for checking. Blocking rated 3.
96-0	Blocking rated 4.
97-0	Blocking rated 4.
98-0	Blocking rated 4. Guy grips & wires marked "other" - no comments.
99-0	Left Pole, rated 3, external decay. Blocking rated 4. Guy grips & wires marked "other" - no comments.
100-0	Left Pole - rated 3, WP=3. Right Pole - rated 3, WP=3. Blocking - rated 4. Guy wires & grips marked "other" - no comments.
101-0	Right Pole - rated 3, WP=3. Blocking - rated 4. Guy wires & grips marked "other" - no comments.
102-0	Left Pole - rated 3, WP=3. Right Pole - rated 3, WP=3. Blocking = 3. Guy wires & grips marked "other" - no comments.
	Left Pole - rated 2, shell sep=3, GD=3.



ENGINEERING DESIGN

Subject: Tabulated Defects - TL 218.

Made By: K. Tucker. Date: December 19, 2005. Page 2 of 4

str/sig.	Defects.
103-0	Blocking = 4.
104-0	Blocking = 4.
105-0	Blocking = 4.
106-0	Blocking = 4.
107-0	Blocking = 4.
108-0	Guy Grips + Guy Wires marked "other", no comments.
109-0	Cross brace - Cracks = 3. Blocking = 3 Guy grips + guy wires marked "other", no comments.
111-0	Blocking = 4. Guy grips + guy wires marked "other", no comments.
112-0	Blocking = 3. GG + GW marked "other" - no comments.
113-0	Blocking = 3. GG + GW marked "other", no comments. Tree braces - Checking = 3.
114-0	Blocking = 4. GG + GW - ditto. Centre Pole, rated 2, CM = 4, WP = 4, ID = 4, ~~Rating~~ Note
115-0	Blocking = 4. GG + GW - ditto.
123-0	Cross-arm, checking = 3, cracks = 3, "dry cracks, still solid" Blocking = 4.
124-0	Blocking = 3. Right Pole, rated 2, ED = 3, shell sap = 3.
125-0	Blocking = 3. Left Pole - rated 2, shell sap = 4, ED = 4, "both poles shabby, not good to climb" Right Pole - rated 2, shell sap = 3, ED = 3, " " " " " "
126-0	Str leaning to source. cross brace - Rated 2, "starting to rot" Blocking = 4.
127-0	Blocking = 4.



ENGINEERING DESIGN

Subject: Tabulated Defects - TL 218

Made By: K. Tuckman

Date: Dec 19/05

Page 3. of 4

- str/suf. Details.
- 135-0. Blocking = 4.
Left Pole - rated 2, checking = 3.
- 139-0 Guy wires slack.
Center Pole - rated 2, shell sep = 3,
Right Pole - rated 2, shell sep = 3.
- 140-0 Left Pole, rated 3, shell sep = 4, checking = 3, "big cracks top to bottom"
Center Pole, rated 3, shell sep = 3, " " = 3, " " " " "
Right Pole, rated 3, " " = 3, " " = 3, " " " " "
- 141-0 Leaning to local.
Left Pole, rated 3, shell sep = 3, ID = 3.
- 147-0 Right Pole, rated 4, 2" shell, ID = 4, checking = 3, pole top rot, 5' jumper weight
2 slack guys - left pole.
- 148-0 Crossarm, rated 3 for cracks.
Cross brace, rated 4 for all.
Right Pole, rated 3, 20' shell sep, no other reason.
- 150-0 Left Pole, rated 3, shell sep = 4, 45', checking = 3, climbing hazard.
Center Pole, rated 3, shell sep = 4, 45', climbing hazard.
Right Pole, rated 3, shell sep = 3, 30', climbing hazard.
- 151-0 Left Pole, rated 4, 2" shell, 5" cavity @ top x-brace, 5-6 feet below.
- 152-0 Right Pole, rated 4, checking = 3, shell sep = 4, extremely shelly, dangerous to climb.
- 163-0 Crossarm, rated 4, 2-3 years.
Left Pole, rated 3, shell sep = 4, } change before changing arm.
Right Pole, rated 3, shell sep = 3, }
- 165-0 Left Pole, rated 3, ID = 4, 1.5-5" shell, bottom x-brace.
- 167-0 Left Pole, rated 2, shell sep = 3 (50').
C & deadend rated 5. (HA str?) (not tabulated.)
- 171-0 Left Pole, rated 3, 2-3" shell 2' below base brace, ID = 3.
- 177-0 Guy wires rated 4, slack.
Right Pole, rated 3, CA = 3, 3-4" shell.
- 184-0 Blocking rated 3.
Right Pole rated 2, shell sep = 3.



ENGINEERING DESIGN

Subject: Tabulated Defects TL 218.

Made By: K. Tucker. Date: Dec 19/05. Page 4 of 4

Str/56. Details.

192-0 Guy wires - corroded.

Left Pole, roted 3, Checking 23.

OHGW - roted 5 (L & R). gmp rusty, strands broke.

jumper connected on guy roted and burned. large ASWP.

Conductor jumper pitted & burned. 3 strands broke.

No thimbles in OHGW. L & R.

Left pole leaning a lot.



ENGINEERING DESIGN

Subject: Tabulated Defects - TL 223.

Made By: KST. Date: Dec 22/05 Page 1 of 4

Sta/Buf.	Details.
2-0	Fdn submerged. x-arm = 3.
3-0	Fdn submerged. x-arm = 3. Left Pole, rated 3, no reason.
4-0	Fdn sub. x-arm = 3.
5-0	x-arm = 3
6-0	x-arm = 3. Right Pole, rated 4, shell exp = 4.
7-0	x-arm = 3.
9-0	x-arm = 3.
10-0	x-arm = 4 *
11-0	x-arm = 3
13-0	x-arm = 3
14-0	x-arm = 3.
16-0	x-arm = 4/1 *
17-0	x-arm = 3.
19-0	x-arm = 4 *
20-0	x-arm = 4 *
	Left Pole, rated 3, no reason.
21-0	Left Pole, rated 2, checking = 3.
22-0	x-arm = 4 *
23-0	x-arm = 4 *
25-0	x-arm = 3.
26-0	x-arm = 4
	Right Pole, rated 3, checking = 3.
27-0	x-arm = 4.
	Right Pole, rated 2, checking = 3.
28-0	x-arm = 3.
29-0	x-arm = 4 *
	str leaning, req. side supp.

CROSSARM PROBLEMS ON THIS
LINE - MANY 3'S & 4'S



ENGINEERING DESIGN

Subject: _____

TL 223

Made By: _____

Date: _____

Page 2 of 4

Str/Sub. Details.

30-0 x-arm = 3.

31-0 x-arm = 3.

34-0 ^{Left} Pole, rated 3, ED = 3, checking = 3.

46-0 Right Pole, rated 3, no reason.

47-0 10-15 danger trees - each side of ROW.

48-0 Numerous danger trees - both sides, needs attention.

49-0 danger trees, needs attention.

Left Pole, rated 2, checking = 4.

Right Pole, rated 2, checking = 3.

50-0 Danger trees, needs attention.

51-0 " " " "

52-0 " " " "

53-0 " " " "

54-0 " " " "

55-0 " " " "

61-0 x-arm rated 4, split end to end, for checks.

Right Pole, rated 3, no reason.

62-0 x-arm - rated 3 for checks.

63-0 x-arm = 3 for checks.

64-0 Danger trees.

65-0 Danger trees.

x-arm = 3 for checks.

67-0 Danger Trees.

x-arm = 3 for checks.

68-0 Danger Trees.

69-0 Danger Trees.

x-arm = 3 for checks.

70-0 Danger Trees.

x-arm = 3 for checks.

71-0 x-arm = 3 " "

72-0 " " " " " "

74-0 Danger Trees.



ENGINEERING DESIGN

Subject: 1L223

Made By: _____ Date: _____ Page 3 of 4

Str/Sup. Details.

75-0 Danger Trees, needs brush cut.
76-0 " "
77-0 " "
78-0 " "
79-0 " "
80-0 " "
81-0 " "
84-0 Str leaning - needs 2 Anchors + 4 guys.
86-0 x-arm = 3 (rot).
87-0 x-arm = 3.
88-0 x-arm = 3.
89-0 " " "
90-0 Deadend = 5 (LØ)
91-0 x-arm = 3.
92-0 x-arm = 3.
93-0 " " "
94-0 " " "
95-0 " " "
96-0 " " "
97-0 " " "
98-0 " " "
001-0 " " "
02-0 " " "
103-0 Load in week = 3.
104-0 x-arm = 3.
105-0 " " "
106-0 " " "
107-0 " " "

Right Pole, rot ed 2, deck pinches GL.



ENGINEERING DESIGN

Subject: TL 223

Made By: _____ Date: _____ Page 4 of 4

Sta/Sig.	Details.	
108-0	x-arm = 3.	
109-0	" " "	
110-0	" " "	
111-0	" " "	
112-0	" " "	
113-0	" " "	
114-0	" " "	
115-0	" " "	
	replace L ϕ susp. clamp.	
	Left Pole, ret ed 2, CP = 5 ?? solid, bet Ants = 5.	
116-0	x-arm = 3.	
119-0	" " "	
123-0	Replace Insl, CP = 1	
125-0	x-arm = 4, twisted over, very bad.	
	Right Pole, ret ed 2, CP = 5 see comment on 115.	
126-0	Sta leaning to source.	
	x-arm = 4 bad condition.	
127-0	Left Pole, ret ed 3.	
	Right Pole, ret ed 3.	
128-0	x-arm = 3.	
129-0	x-arm = 3.	



ENGINEERING DESIGN

Subject: Tabulated Defects - TL 226-1.

Made By: KDB Date: Feb 2, 2006. Page 1 of 4

Str/Buf.	Details.
1-0	Fdn Submerged.
2-0	" "
3-0	" "
4-0	" "
5-0	" "
6-0	" "
7-0	" "
8-0	" "
9-0	" "
11-0	COB Insulators - $R\phi=12$, $C\phi=14$, $L\phi=15$. Fdn Submerged.
12-0	Pole, rated 2, $WP=5$.
24-0	COB Insulators, $L\phi=16$, $C\phi=16$, $R\phi=12$.
27-0	COB Insulators, $L\phi=16$, $C\phi=16$, $R\phi=16$.



ENGINEERING DESIGN

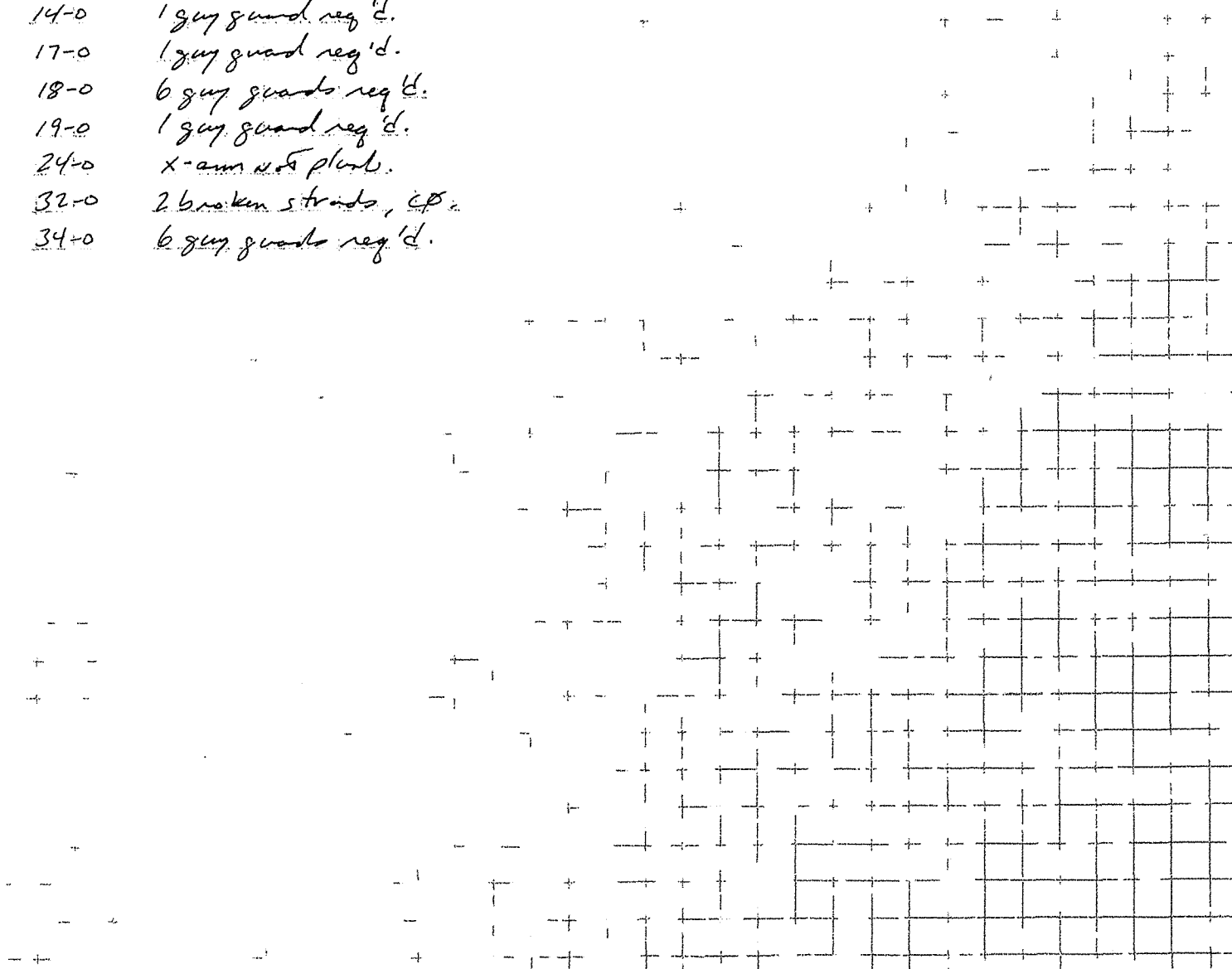
Subject: Tabulated Defects - TL226-2

Made By: _____ Date: FEB 2, 2006 Page 2 of 4

Str/Sub. Details:
1-0 Str leaning to source
x-arm = 3 (rot. cracks)
7 guy guards req'd.
3-0 1 broken strand, CP.
6-0 1 guy guard req'd.
12-0 CP insulator loose.
14-0 1 guy guard req'd.
17-0 1 guy guard req'd.
18-0 6 guy guards req'd.
19-0 1 guy guard req'd.
24-0 x-arm not plumb.
32-0 2 broken strands, CP.
34-0 6 guy guards req'd.

* LIGHT VIBRATION ALONG THIS
WHOLE LINE SECTION. ALTHOUGH
NOT DETAILED, IT IS ON ALMOST
ALL STRUCTURES.

* SOME SUBMERGED FOUNDATIONS
ALSO RECORDED - SEE TABULATED
DEFECTS SPREADSHEET.





ENGINEERING DESIGN

Subject: Tabulated Defects - TL 226.

Made By: KBF. Date: Feb 3/06. Page 3 of 4

* LIGHT VIBRATION NOTED FROM STR 15 TO 20, 171-212. SEE
TABULATED DEFECTS SPREADSHEET FOR DETAILS NOT INCLUDED HERE.
* MANY NEW GUY GUARDS REQ'D. APPROXIMATED AS NGG=6

Str/Sub. Defects.

16-0 Fdn sub.

17-0 NGG = 1

Guy slack.

Fdn sub.

18-0 NGG = 6

19-0 NGG = 1

173-0 2 broken strands - LØ.

194-0 Guy slack.

Pile, rot ed 2, chik puct. GL.

New insulation on ground.

197-0 New insl. on ground.

198-0 " " " "

199-0 old insl on ground.

200-0 new & old insl on ground.

207-0 1 broken strand, CØ.

209-0 old insl on ground.

212-0 Fdn sub.

213-0 Fdn sub.

215-0 old insl on ground.

216-0 Fdn sub.

227-0 old insl near str.

235-0 NGG = 3 - willing access only to str.

259-0 Guy slack.

263-0 2 broken strands - RØHGW.

271-0 1 broken strand - CØ.

273-0 Pile, rot ed 2, shell = 3.

274-0 Broken insl skirt, LØ.



ENGINEERING DESIGN

Subject: TL 226

Made By: _____ Date: _____ Page 4 of 4

Str/Suf.	Details.	
282-0	CØ DE rated S.	
286-0	CØ DE rated S.	
291-0	RØ - 1 broken strand.	
293-0	LØ - 2 broken strand.	
298-0	str leaning to left. x-arm = 3 (loose V-b race). loose post rollers - all Ø.	
303-0	NGG = 1	
312-0	1 broken strand, RØ.	
335-0.	LØ insl clamp worn, needs replacing.	
336-0	CØ insl loose on pin.	
347-0	RØ DE rated S.	
361-0	CØ DE rated S.	2005
378-0	6 guy guards req'd.	2004
379-0	str leaning left.	
381-0	str leaning left.	
384-0	str leaning right.	
386-0	1 broken strand, LØ. CØ insl or loose. 2 guy guards req'd.	
387-0	2 guy guards req'd. insl near str.	
388-0	2 guy guards req'd.	
390-0	Number sign missing. 1 broken strand - LØ HGW	
391-0	2 guy guards req'd.	
392-0	2 guy guards req'd.	
396-0	2 guy guards req'd.	
	3 cut insl on side.	
397-0	~~2 guy guards req'd.~~ insl plnd near str ok. Number sign missing.	
398-0	2 guy guards req'd.	



ENGINEERING DESIGN

Subject: _____

72227

Made By: _____

Date: _____

Page 2 of 5

Str/Sy.	Details
146-0	2 guards req'd
146-1	1 " "
149-0	3 " "
149-1	2 " "
164-0	2 " "
255-0	3 " "
228-0	2 " "
229-0	2 " "
230-0	2 " "
231-0	2 " "

234-0	1 guard req'd
235-0	3 " "
243-0	All ins loose.
246-0	str leaning to some
252-0	2 guards req'd.
261-0	str leaning left.

262-0	Foundation concrete - Good but needs repair ?
	" " " " " " ?

	str leaning left.
267-0	guards slack.
	Loose CP isolation.

274-0	2 guards req'd.
276-0	2 " "
277-0	2 " "

	ins not placed.
--	-----------------

281-0	guards slack.
-------	---------------

284-0	2 guards req'd
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285-0	2 " "
-------	-------

286-0	2 " "
-------	-------

287-0	2 " "
-------	-------

288-0	2 " "
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289-0	2 " "
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ENGINEERING DESIGN

Subject: TL227

Made By: _____ Date: _____ Page 3 of 5

Sta/Ref. Defs.

293-0	R & S stop damp needs replacing
294-0	X-arm rated 2 - load cracks.
295-0	X-arm - cracks = 3.
296-0	2 guards req'd.
297-0	2 " "
298-0	str leaning left. (some cracks). 2 guards req'd.
300-0	ple leaning - no dr indicated in comments.
306-0	x-arm split, rated 2. incl plumbness not OK.
308-0	L & R & incl loose.
312-0	x-arm rated 3. incl plumbness not OK.
333-0	3 guards req'd.
340-0	5 " "
349-0	5 " "
351-0	2 " "
357-0	2 " "
358-0	3 " "
359-0	2 " "
360-0	2 " "
361-0	2 " "
362-0	2 " "
364-0	2 " "
365-0	2 " "
366-0	2 " "
367-0	All inclinations loose.
370-0	X-arm rated 4 (cracks) "needs replacement"
371-0	2 guards req'd
372-0	2 " "
373-0	2 " "
374-0	2 " "



ENGINEERING DESIGN

Subject: _____

TL227

Made By: _____

Date: _____

Page

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Str/Sig. Defects.

377-0	2 gwy guards req'd.
378-0	2
379-0	2
380-0	2
381-0	2
382-0	2
384-0	2
387-0	2
389-0	2
390-0	1
399-0	gwy slack.
400-0	"
401-0	"
403-0	x-arm = 3 (dents & cracks).
405-0	C & inst loose.
420-0	gwy slack.
422-0	3 gwy guards req'd.
423-0	2 " "
424-0	4 " "
460-0	2 " "
466-0	gwy slack.
466-0	str bearing left.
467-0	C & inst loose.
474-0	Pd, rot ed 2, slackage = 4 (2").
480-0	Pd, rot ed 2, chk pen. gk.
482-0	C & C & inst loose.
483-0	C & inst loose.
484-0	2 gwy guards req'd.
487-0	1 " "
489-0	inst phasing not ok.
490-0	1 gwy guard req'd.
491-0	1 " "

1 rock & each anchor rod, GOOD replace?



ENGINEERING DESIGN

Subject: 7L227

Made By: _____ Date: _____ Page 5 of 5

Sta./Sf.	Details.
492-0	All inst loose
494-0	1 guard req'd
498-0	All inst on grid
499-0	Tree leaning on bottom guy wire - cut as ap guy wires corroded - replace 1. 3 guards req'd
509-0	x-arm noted 3 for cracks "replace cross arm"
517-0	guy wires, good, replace 1. 2/ guy guard req'd Anchor with 2 rods, 2 rods, 960P, replace 1 cable & 1 rod?
519-0	x-arm = 4 (cracks) "replace". Pole, noted 3, no reason -
523-0	CØ inst loose.
526-0	x-arm - 5 (cracks) "replace"
530-0	CØ inst loose
537-0	CØ inst loose (hand saw?)
538-0	Pole, noted 3,
539-0	Comments - "Replace Pole" - noted 2, present? x-arm - 3 (cracks), "replace"
540-0	Pole, noted 3, still = 3 (35'). "Replace Pole, but split into 2 pieces"
542-0	x-arm, 3 (cracks) "replace" All inst loose.
543-0	3 guards req'd.
545-0	RØ inst not phib
547-0	2 guards req'd.
548-0	2



ENGINEERING DESIGN

Subject: TL 234 - Tolerated Defects.

Made By: _____ Date: _____ Page 1 of 1

TL 234 has unique problems. = COB Insul, Rotten Blocking, Rotten Knee braces,
Rotten Crossarms. These defects are indicated to separate.
VERIFY COB COUNT COMPARES WITH INSP.

Str/Sig. Details.

115-0

x-arm = 3

x-brace = 5

block = 5

knee brace = 5.

OHGW - 1 broken strand - 4 Ø.

116-0

12 guy guards req'd.

4 Ø, 2 broken strands.

COB Insul - 52x3 (13x3 NGK).

117-0

x-brace = 3

block = 3.

118-0

x-brace = 4.

block = 4.

R. Pole, rot'd 2, chk = 4.

119-0

x-brace = 4.

block = 4.

120-0

x-arm = 3

x-brace = 5

block = 5

COB - 4 Ø x 13, 2 Ø x 13.

knee brace = 3.

L. Pole, rot'd 3, no reason.

121-0

x-brace = 5

block = 5

COB - All Ø - 3x13

knee brace, (3) rot'd 4.



ENGINEERING DESIGN

Subject: 7L234

Made By: _____ Date: _____ Page 2 of 7

Sta/Sec.	Details
122-0	x-arm = 3 x-brace = 3 block = 4 COB - All ϕ (13x3). Knee brace = 3.
123-0	R ϕ , 1 broken strand. x-brace = 3, block = 3, COB - All ϕ (13x3), Knee brace = 4.
124-0	x-brace = 3, block = 3, COB - All ϕ (13x3), Knee brace = 4.
125-0	x-brace = 3, block = 3, COB - All ϕ (13x3), Knee brace = 3.
126-0	x-arm = 3 (other) x-brace = 4, block = 4, COB - 13x3, Knee brace = 3. 4 guy strands req'd.
127-0	x-arm = 3. Guy wires ~~not~~ noted as "other" ? x-brace = 3, block = 3, COB - 13x3, Knee brace = 3.
128-0	L. Pole, noted 2, chke = 3. x-br = 3, blk = 3, COB - 13x3, KBR = 3
129-0	blk = 3, COB - 13x3, KBR = 3 (check). (only one KBR)
130-0	x-arm = 3. R. Pole, noted 2, chke = 3. x-br = 4, blk = 4, COB (13x3), KBR = 3.
131-0	x-br = 3, block = 3, COB (13x3), KBR = 3.
132-0	13 guy strands req'd. COB - 26x3.
133-0	L ϕ - 2 broken strands, 2 broken or clamp/DE ? same ? R. Pole, noted 2, GA = 3. 13 guy strands req'd. COB - 13x3, x-br = 4, block = 4, knee br = 3.
134-0	Light vib noted. COB - 2x13 (L ϕ & C ϕ), Knee brace = 3.
135-0	Light vib noted. COB - 13x3.



ENGINEERING DESIGN

Subject: TL234

Made By: _____ Date: _____ Page 3 of 7

- 5/15/06 Details.
- 137-0 Light vib noted.
 $x-br = 4$, block = 4, COB = 13x3, knee br = 3.
- 138-0
 $x-br = 4$, block = 4, COB = 13x2 (L & R), knee br = 3 for checks. (over 5)
- 139-0 R. Pole, ref ed 3, no reason.
COB = 13x2 (L & R), knee br = 3 (one 4 for checks) (left side).
- 140-0
COB = 13x1 (L & R), knee br = 3 (left side).
- 141-0
COB = 13x3, knee br = 3. (left side) (4)
- 142-0 1 guy guard req'd.
COB = 13x3, knee br = 3 (all).
- 143-0. Crossarm ref ed 3.
 $x-br = 3$, COB = 13x3, knee br = 3 (all).
- 144-0 Crossarm = 3 (checks).
L. Pole, ref ed 4, ID = 4,
R. Pole, ref ed 4, ID = 4,
COB = 13x3, knee br = 3 (all).
- 145-0
COB = 13x3, knee br = 3 (all).
- 146-0
COB = 13x3, knee br = 3 (all).
- 147-0 Crossarm, ref ed 3.
 $x-br = 3$, block = 4, COB = 13x3, kbr = 3 (Right side x 2).
- 148-0 Crossarm ref ed 3.
 $x-br = 3$, block = 4, COB = 13x3, kbr = 3 (all).
- 149-0 Crossarm = 3.
 $x-br = 3$, block = 3, COB = 13x3, kbr = 4 (all).
- 150-0 Deadend ref ed 5, CP.
block = 3, COB = 13x3.
- 151-0
 $x-br = 3$, block = 3, COB = 13x3, kbr = 3 (all).
- 152-0
block = 3, COB = 13x3.
- 153-0 Crossarm = 5 (other)? no connects.
COB = 13x3.
- 154-0 Light vib noted.
COB = 13x3, kbr = 3 (all).



ENGINEERING DESIGN

Subject: _____

TL234

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str/suf. Details.

168-0 Crossarm = 3.
2 guy guards req'd.
 $xbr = 3, block = 3, COB = 13 \times 3, kbr = 3 (all).$

169-0 2 guy guards req'd.
C. Pole, rtd 1, check points to GL.
 $COB = 13 \times 3, kbr = 3 (all).$

170-0 4 guy guards req'd.
 $xbr = 3, block = 3, COB = 13 \times 3.$

171-0 4 guy guards req'd.
 $xbr = 3, block = 3, COB = 13 \times 3, kbr = 3 (all).$

172-0 6 guy guards req'd.
C. Pole, rtd 1, C.P. GL = 4.
 $xbr = 3, block = 3, COB = 13 \times 3.$
R ph. damper brkt.

173-0 Crossarm = 3.
6 guy guards req'd.
 $xbr = 3, block = 4, COB = 13 \times 3, kbr = 3 (R.P. inner).$

174-0 2 guy guards req'd.
 $xbr = 3, block = 3, COB = 13 \times 3.$

175-0 ~~crossarm~~
2 guy guards req'd.
 $xbr = 3, block = 3, COB = 13 \times 3.$

176-0 Crossarm = 3.
2 guy guards req'd.
 $xbr = 3, block = 3, COB = 13 \times 3, kbr = 3 (all but L.D.).$

177-0 2 guy guards req'd.
 $xbr = 3, block = 3, COB = 13 \times 3.$

178-0 2 guy guards req'd.
L. Pole, rtd 2, CA = 3.
 $xbr = 3, block = 3, COB = 13 \times 3.$

179-0 $xbr = 3, block = 3, COB = 13 \times 3, kbr = 3 (all).$



ENGINEERING DESIGN

Subject: TL234

Made By: _____ Date: _____ Page 5 of 7

str/sig	Defects.
180-0	guy wires rated other? $xbr = 3, block = 3, cob = 13 \times 3$.
181-0	RØ conductor - 3 strands broken. 1st not planted - all Ø. CØ damper moved 3' guy wires rated other. $xbr = 3, block = 3, cob = 13 \times 3, kbr = 3$.
182-0	guy wires rated other. $xbr = 3, block = 3, cob = 13 \times 3, kbr = 3$.
183-0	gw. rated other. $xbr = 3, block = 3, cob = 13 \times 3$.
184-0	gw. rated othr. $xbr = 3, block = 3, cob = 13 \times 3, kbr = 3$ (LI & RI).
185-0	2 guy strands req'd. $xbr = 3, block = 3, cob = 13 \times 3, kbr = 3$.
186-0	gw. rated othr. $xbr = 3, block = 3, cob = 13 \times 3, kbr = 3$.
187-0	x-arm rated 3. gw. rated othr. $xbr = 4, block = 4, cob = 13 \times 3, kbr = 3$.
188-0	x-arm = 3. $xbr = 3, block = 4, cob = 13 \times 3$.
189-0	$xbr = 3, block = 3, cob = 13 \times 3, kbr = 3$ (LI).
190-0	$block = 4, cob = 13 \times 3$.
191-0	$xbr = 3, block = 4, cob = 13 \times 3, kbr = 3$ (all 4 are RI).
192-0	CØ damper loose. $xbr = 3, block = 3, cob = 13 \times 3$.
193-0	4 guy strands req'd. $cob = 13 \times 3, kbr = 3$.
194-0	$cob = 13 \times 3$.



ENGINEERING DESIGN

Subject: _____

7L234

Made By: _____

Date: _____

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str/syf. Defacto.
195-0 R. Pile, $\text{welded } 2, CA = 3,$
 $COB \times 13 \times 3, kbr = 3 (all).$
196-0 X-arm = 3,
 $COB - 13 \times 3, kbr = 3.$
197-0 R of insd not p/ind.
 $COB - 13 \times 3.$
198-0 $COB - 13 \times 3.$
199-0 $xbr = 3, block = 3, COB - 13 \times 3.$
200-0 $COB - 13 \times 3.$
201-0 $COB - 13 \times 3, kbr = 3 (all).$
202-0 $xbr = 3, block = 3, COB = 13 \times 3$
203-0 X-arm = 3,
 $xbr = 3, block = 3, COB - 13 \times 3, kbr = 3 (all)$
204-0 $xbr = 3, block = 3, COB - 13 \times 3.$
205-0 $xbr = 3, block = 3, COB - 13 \times 3, kbr = 3 (all)$
206-0 L. Pile, $\text{welded } 2, CA = 3,$
 $xbr = 3, block = 3, COB - 13 \times 3.$
207-0 $xbr = 3, block = 3, COB - 13 \times 3, kbr = 3.$
208-0 X-arm = 3,
 $COB - 13 \times 3, kbr = 3 (L. pile \times 2)$
209-0 $COB - 13 \times 3, kbr = 3 (R. pile \times 2)$
210-0 $xbr = 3, block = 3, COB - 13 \times 3, kbr = 3 (all)$
211-0 $xbr = 3, block = 3, COB - 13 \times 3, kbr = 3 (all).$
212-0 $xbr = 3, block = 3, COB - 13 \times 3, kbr = 3 (all).$
213-0 " " " "
214-0 R. Pile, $\text{welded } 2, CA = 3,$
 $xbr = 3, block = 3, COB - 13 \times 3.$
215-0 $block = 3, COB - 13 \times 3.$
216-0 $xbr = 3, block = 3, COB - 13 \times 3.$
217-0 2 guy guyed req'd.
 $COB - 13 \times 3.$
218-0 $xbr = 3, block = 3, COB - 13 \times 3, 65 \times 1, 52 \times 2$



ENGINEERING DESIGN

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Sta/Sub. Details.

219-0 COB - 13x3, Kbr = 3 (all).

220-0 L Pole, rated 2, CA = 3.

Block = 3, COB - 13x2 (R+C), Kbr = 3 (all)

221-0 COB - 13x3, Kbr = 3.

222-0 x-arm = 3.

xbr = 3, Block = 3, COB - 13x3, Kbr = 3.

223-0 g.w. rated offer.

COB - 13x3, Kbr = 3.

224-0 COB - 13x3, Kbr = 3.

225-0 COB - 13x2 (L+C).

226-0 xbr = 3, Block = 3, COB - ~~13~~⁶⁵x3, 2 DE + 15 / phase.

227-0 COB - 13x3, Kbr = 3.

228-0 COB - 13x3, Kbr = 3.

L Pole, rated 3, 10 = 3, solid?

229-0 R Pole, rated 2, CA = 3.

COB - 13x3, Kbr = 3.

230-0 COB - 13x3.

231-0 COB - 13x3, Kbr = 3.

232-0 C Pole, rated 3,

COB - 65x2, 39x1

233-0 COB - 13x3.



ENGINEERING DESIGN

Subject: TL 240 Tabulated Defects.

Made By: KGB. Date: Feb 1/06. Page 1 of 1

Str/Sub	Details.
1192-0	1 broken strand - CP.
1195-0	L. Pole, rated 3, no reason.
1204-0	R. Pole, rated 3, no reason.
1214-0	GG+GW = other R. Pole, rated 4, ID=4 (solid?)
1238-0	1 Broken Insulation, CP.
1239-0	GG+GW = other
1245-0	" " "
1246-0	L. Pole, rated 2, WP=3,
1247-0	GG+GW = other.
1257-0	" " "
1267-0	R. Pole, rated 3, WP=3,
1275-0	R. Pole, rated 3, WP=3.
1276-0	R. Pole, rated 2, WP=3,
1281-0	X-brace cracked at centre bolt.
1287-0	RØ insl hardware, cotton pin almost out.
1291-0	GW+GG = other.
1296-0	" " "
1297-0	" " "
1298-0	" " "



ENGINEERING DESIGN

Subject: Tabulated Defects, TL 241

Made By: KBS Date: Feb 1/06 Page 1 of 2

Str/Suf.	Defects.
320-0	LØ - BLE worn 40% CØ - BLE worn 30% check all Ø for tightening
321-0	L. Pole, rated 3, 10 = 3
322-0	loose b plates - all Ø.
323-0	1 broken strand, LØ. (spun/splice)
328-0	GW + GG = other.
329-0	LØ BLE worn 40%
331-0	LØ, BLE worn 40% CØ, BLE worn 20% RØ, BLE worn 40%
332-0	LØ BLE worn 40% CØ BLE worn 35% RØ BLE worn 35%
333-0	LØ rated 3 (conductor) CØ - 1 broken strand - ~~the~~ (clamp/de)
337-0	str leaning to source insul not placed. 2 broken strands, LØ: (clamp/de)
338-0	R. Pole, rated 3, 10 = 3 (0.5" slack) WHERE? ED = 3, slack = 3 (40')
339-0	L. Pole, rated 2, WP = 5
341-0	1 broken strand - spun/splice - RØ.
343-0	str. leaning to source. insul placed not OK. L. Pole, rated 3, WP = 4
344-0	L. Pole, rated 3, slack = 3 (40'). (1" slack)
345-0	x-arm = 3 (Rot) x-brace = 3 (Rot) L. Pole = 3, 2" slack? 10 = 3, ED = 3, slack sep = 3 (30') R. Pole = 3, 2" slack? ED = 3, ED = 3, slack sep = 3 (30')
347-0	R. Pole = R, CA = 5 (solid?)



ENGINEERING DESIGN

RL241

Subject: _____

Made By: _____ Date: _____ Page 2 of 2

Sta/Sec.	Details.
348-0	"Retighten guys" - slack.
349-0	Anchors are installed - but no side guys. Guys are slack (in line?). BLE bolts worn 40% (all)
357-0	Guy wires slack.
358-0	" " "
360-0	" " "
361-0	" " "
	L. Pole, rated 2, shell = 3 (1.5" shell?) ← THEY SEEM TO BE PUTTING SHELL SEP THICKNESS IN HERE.
363-0	Guy wires slack. LØ, 1 strand broken (spun/splice)
364-0	L. Pole, rated 2, WP = 3.
365-0	BLE bolts - all worn 45-55%.
366-0	Guy wires slack.
367-0	BLE bolts, all worn 30-40%.
369-0	Blocking loose. RØ, 1 broken strand. BLE bolts, all worn 30%.
371-0	Guys slack.
375-0	BLE bolts loose.
376-0	Loose b plates?
378-0	light vib. noted.
387-0	BLE bolts, all worn 30-45%.
382-0	light vib. noted. 4 guy guards req'd.
393-0	light vib noted. 4 guy guards req'd.
394-0	light vib. noted. 4 guy guards req'd.
395-0	light vib noted.
396-0	" " "



ENGINEERING DESIGN

Subject: TL 243 - Tabulated Defects.

Made By: _____ Date: _____ Page 1 of 2

TL 243 has all COB Insulators. These insulators were changed out in Fall-2005.
All references to COB Insulators as defects has been removed from this record.

Str./Sef.	Details.
1-0	16 guy guards req'd.
2-0	Guy's not bonded.
3-0	Guy's not bonded.
4-0	Guy's not bonded.
5-0	Guy's not bonded.
6-0	Guy's not bonded.
7-0	Guy's not bonded - ~~still~~ R. Pole, shell seg top to bottom (connects). rated 2, shell = 3 (5') $10 = 3$
8-0	14 guy guards req'd.
27-0	6 guy guards req'd.
33-0	Guy's slack.
34-0	L. Pole, rated 2, chlk penetrates GL.
35-0	R. Pole, hollow through hardware, rated 2, no other comment.
36-0	6 guy guards req'd. C. Pole, rated 2, 2.5" shell on location, $10 = 3$, shell = 3 (45'). (1986 pole)
39-0	Str leaning to some.
43-0	12 guy guards req'd.
44-0	L. Pole, rated 2, shell = 3 (25')
45-0	6 guy guards req'd. R. Pole, rated 4, $10 = 4$, hollow around hardware. {no shell thickness provided}
46-0	Guy's slack.
47-0	Guy's slack.
50-0	4 guy guards req'd.
53-0	12 guy guards req'd. C. Pole, rated 2, WP = 3, } comments - not serious. R. Pole, rated 2, WP = 3, }
58-0	6 guy guards req'd.
163-0	4 guy guards req'd.



ENGINEERING DESIGN

Subject: TL 243

Made By: _____ Date: _____ Page 2 of 2

Str/Sub.	Details.
64-0	4 guy grounds req'd.
68-0	4 guy grounds req'd.
69-0	14 guy grounds req'd.
72-0	R.P. 1st hook is rot ed 3.
72-0	LØ - 1 broken strand in conductor.
72-0	L Ø GW - 1 broken strand.
73-0	C.Phe, rot ed 4, 1D=4, top 5' rotten rot deadend.



ENGINEERING DESIGN

Subject: Tabulated Results - TL 250.

Made By: AS Date: Jan 31/06. Page 1 of 3

Sta/Inf.	Details.	2005 DATA ONLY.
32-0	x-arm plates not double nutted light vibs noted. R. Pole, reted 3, no reason.	
118-0	light vibs - all 0. 3 Broken strands, 40.	
119-0	blocking = 3.	
130-0	GG + GW reted other.	
132-0	" " " "	
140-0	Comments "pole rotten around the cross arm", "pole rotten around top + bottom x-brace" - no pole reports.	
141-0	2 guy guards req'd.	
142-0	" " " "	
148-0	GG + GW reted other.	
149-0	" " " "	
150-0	" " " "	
-	R. Pole, reted 2, Abuse Per. GL.	
151-0	GG + GW reted other.	
152-0	" " " "	
153-0	" " " "	
154-0	4 guy guards req'd.	
155-0	GW + GG reted other.	
156-0	" " " "	
157-0	" " " "	
~~158-0~~	R. Pole, reted 4, WP = 4.	
158-0	GW + GG = other.	
159-0	" " " "	
161-0	x-brace bolt loose.	
162-0	R. Pole reted 2, 5' shell snow load? shell seg = 3 (5')	
163-0	12 guy guards req'd.	
164-0	GW + GG reted other.	
167-0	" " " "	
-	R. Pole reted 4, rotten around bottom x-brace.	



ENGINEERING DESIGN

Subject: TL260

Made By: _____ Date: _____ Page 2 of 3

Str/Sig.	Details	
168-0	GW & GG not ed other.	
169-0	" " " "	
170-0	" " " "	
171-0	" " " "	
173-0	" " " "	
174-0	" " " "	
175-0	" " " "	
176-0	CØ clamps to be replaced. 6 guy guards req'd. L Pole, not ed 4, no reason	(*)
177-0	"b plates not double not ed" L Pole, not ed 4, ID=3, no reason	(*)
178-0	L Pole, not ed 2, ED=3 R Pole, not ed 2, shell=3	
181-0	GW & GG not ed other. L Pole, not ed 3, ID=3 (1-5" reading)	
188-0	GW & GG = other.	
189-0	" " " "	
190-0	cross arm = 5 (not).	
	GW & GG = other.	
	R Pole, not ed 5, ID=5 - still not ed solid.	(*)
191-0	GW & GG = other.	
192-0	" " " "	
193-0	" " " "	
194-0	1 broken strand - CØ.	
196-0	GW & GG = other	
197-0	" " " "	
198-0	" " " "	
199-0	" " " "	
	CØ 1/2" dia or - 3Ø x 7	
200-0	" " 3Ø x 7	
	GW & GG = other	



ENGINEERING DESIGN

Subject: _____

TL250

Made By: _____

Date: _____

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Sta/Sec.

Details:

201-0

GW & GG = other.

CoB - 7x3p.

202-0

GW & GG = other.

CoB - 7x3p.

203-0

R. Pole, rated 4, rotten at top x-brace.

204-0

GW & GG = other.

205-0

" " "

206-0

" " "

L. Pole, rated 2, check pin. GC.

209-0

All deadends rated 3.

212-0

GW & GG = other.

213-0

" " "

214-0

" " "

2 broken strands, 4p.

R. Pole, rated 4, 10=4, shell=3 (50')

215-0

1 broken strand, R. P.

4 guy wires req'd.

219-0

R. P. deadend rated 5.

222-0

Light vib - all p.

L. Pole, rated 3, WP=3, 10=3, shell=3.

R. Pole, rated 3, WP=3.

225-0

GW & GG = other.

226-0

" " "

227-0

" " "

228-0

1 broken strand, 4p.

232-0

1 broken strand, 4p.

GW & GG = other.

234-0

" " "

235-0

" " "

238-0

10 sil w/ OK, R. P.

240-0

L. Pole, rated 2, 2" shell (3rd go screw line), shell=3.

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
213	0	Replace 1 COB insulator, centre phase		
215	0	Replace 1 COB insulator, right phase		
216	0	Replace 1 COB insulator, centre phase	Guy wires and grips noted as "other" with no description	
217	0	Replace all ball link eye bolts – work flush Replace left pole, rated 4, internal decay (4), 2" shell bottom brace Replace right pole, rated 3, internal decay (3), 4" shell, 2" cavity at knee braces		
218	0	Replace left pole, rated 4, carpenter ants (3), internal decay (4), 4" cavity bottom brace and butt		
219	0	Repair right phase for 2 broken strands		
220	0	Replace right pole, rated 4, external decay (4), internal decay (3), shell separation (4), "shelly, not good to climb"		
221	0		Left pole, rated 2, checking (4)	
222	0	Replace right pole, rated 4, external decay (4), internal decay (3), shell separation (3)		
223	0	Remove old pole left on site		
224	0		Left pole, rated 2, shell separation (3) Right pole, rated 3, internal decay – 6" shell, shell separation (3)	
225	0		Left pole, not rated, rot pocket at bottom brace, 4" shell, 2" cavity	
226	0		Right pole, rated 2, shell separation (3)	
227	0	Reset torsional dampers Replace 1 COB insulator, centre phase Replace 1 COB insulator, right phase Replace centre pole, rated 4, 3" shell, 3" cavity at crossarm, shell separation (3), internal decay (4) Replace crossarm rated 3, checking, twisted, bowed		
229	0		Left pole, rated 3, external decay (3), shell separation (3), not good for climbing	
231	0	Replace 1 COB insulator, left phase		

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
232	0		Left pole, rated 3, external decay (3), shell separation (3) Right pole, rated 3, external decay (3), shell separation (3) Both poles weather beaten on side, not good for climbing	
234	0		Left pole, rated 3, shell separation (3), external decay (3), shelly, top leaning bad, not good for climbing	
235	0		Left pole, rated 3, shell separation (3), 2' bend, not good for working	
237	0		Right pole rated 3, external decay (3), shell separation (3), shelly, not good for climbing	
240	0	Replace 1 COB insulator, right phase Replace right pole, rated 4, 2" shell, 3" cavity at crossarm, internal decay (4)		
241	0		Right pole, rated 3, shell separation (3), external decay (3), shelly, not good for climbing	
242	0		Right pole, rated 3, shell separation (3)	
244	0		Right pole, rated 2, shell separation (4)	
245	0	Reset left and centre phase dampers ("can reach with boom")	Left pole, rated 3 Right pole, rated 3, internal decay (3), 1.5" shell noted, however no comment provided, assumed to be at top.	
249	0		Left and centre phase insulators not plumb	
250	0		Left pole, rated 2, external decay (3)	
251	0		Left pole, rated 3, shell separation (3) Right pole, rated 4, shell separation (4)	
253	0	Repair right phase for 1 broken strand	Right pole, rated 2, shell separation (3)	
254	0	Replace right pole, rated 4, 1.5" shell noted with no location provided , external decay (3), shell separation (4)		
255	0		Insulators not plumb, all phases Left pole, rated 2, shell separation (3)	
256	0	Replace left pole, rated 4, 3-4" shell at bottom brace, internal decay (4)		

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
260	0	Replace 1 COB insulator, centre phase	Left pole, rated 3, shell separation (3), not good for climbing Right pole, rated 3, shell separation (3), not good for climbing	
261	0	Replace left phase eye bolt, worn flush – reassess remaining eye bolts	Structure leaning to load	
262	0		Crossarm rated 3	
263	0	Replace all eye bolts, worn flush	Left pole, rated 2, internal decay (3)	
264	0		Left pole, rated 2, wood pecker holes (5) Right pole, rated 3, shell separation (3)	
265	0		Left phase, 1 broken insulator	
266	0		Left pole, rated 3, shell separation (3) Right pole, rated 3, shell separation (3), 1.5" cavity, top brace	
268	0	Install inline guys, structure leaning to source		
270	0		Insulators not plumb, all phases	
271	0	Replace right pole, rated 4, internal decay (4), shell separation (3), 2.5" shell, top x-brace Replace right pole, rated 4, internal decay (4), shell separation (3), 2" shell bottom x-brace		
272	0		Insulators not plumb, all phases	
273	0		Insulators not plumb, all phases	
277	0	Replace corroded preform, top left pole		
278	0	Left pole, RATED 2 , external decay (3), internal decay (3), shell separation (4), "very shelly, cavity bottom brace, needs to be replaced"		
279	0		Left pole, rated 2, checking (3)	
281	0		Crossarm rated 3 (checking) Left pole, rated 2, shell separation (3) Right pole, rated 2, shell separation (3)	
282	0	Replace all eye bolts, worn flush Replace 1 COB insulator, right phase Replace 5 COB insulator, centre phase		

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
283	0	Replace 21 COB insulator, left phase Replace 22 COB insulator, centre phase Replace 14 COB insulator, right phase		
284	0	Replace short crossarm, rated 4, rotten on end Replace 15 COB insulator, left phase Replace 12 COB insulator, centre phase Replace 18 COB insulator, right phase		
284	1	Replace 20 COB insulator, left phase Replace 14 COB insulator, centre phase Replace 23 COB insulator, right phase	Right pole, rated 2, wood pecker holes (3)	
285	0	Replace left pole, rated 4, internal decay (4) 1.5" shell, no location Replace right pole, rated 4, internal decay (4) 1.5" shell, no location Structure leaning to source, correct during pole replacement		
286	0		Structure leaning to load Left pole, rated 2, "1 inch hole at butt????"	
287	0		Structure leaning to load Insulator plumbness not ok	
289	0	Reset left phase damper, moved Replace 2 COB insulators, centre phase Replace left pole, rated 4, carpenter ants, pole top rot		
291	0	Replace left pole, rated 4, internal decay (4), 2" shell, no location, wood pecker holes (3), shell separation (3)		
292	0	Replace left pole, rated 4, 2-2.5" shell at butt, internal decay (4), carpenter ants (3) Replace right pole, rated 4, 1.5-2" shell at butt, internal decay (4), carpenter ants (3), shell separation (4)		
294	0		Structure leaning to load Insulator plumbness not ok Left pole rated 3, shell separation (3), checking (3) Right pole, rated 3, checking (3), wood pecker holes (3)	
295	0	Replace right pole, rated 4, carpenter ants (4), 2.5" shell, internal decay (3)	Left pole, rated 3, shell separation (3), checking (3)	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
296	0	Replace right pole, rated 4, carpenter ants, (4)		
298	0	Replace 1 COB insulator, centre phase Replace left pole, rated 4, carpenter ants (5), internal decay (4)		
299	0	Replace left pole, rated 4, 2.5" shell, no location, external decay (3), shell separation (5) Replace right pole, rated 4, carpenter ants (5), internal decay (4), 2-3" shell at groundline		
301	0		Right pole, rated 2, shell separation (3), checking (3)	
304	0	Replace 2 COB insulators, centre phase Replace 2 COB insulators, right phase Replace right pole, rated 4, wood pecker holes (3), carpenter ants (4), 1/5-2.5" shell, internal decay (4), "ants, lower brace"		
305	0	Replace left phase deadend, rated 5		
306	0	Replace crossarm, rated 4 Replace right phase suspension clamp Replumb insulators, all phases Replace 1 COB insulator, right phase Replace 1 broken insulator, centre phase Repair left phase for 1 broken strand Replace left pole, rated 4, carpenter ants (4), internal decay (4), 1.5" shell	Guy wires and grips noted as "other" with no description	
308	0	Replace left pole, rated 4, carpenter ants (4), 1.5" shell, internal decay (4), checking (3) Reassess right pole short knee brace rated 5 for other?		
309	0	Replace 1 COB insulator, left phase	Structure leaning to load	
310	0	Replace both crossbraces, rated 4 Replace rotten blocking	Left pole, rated 2, shell separation (3)	
311	0	Replace 2 COB insulators, centre phase		

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
312	0	Replace 1 COB insulators, centre phase Replace 7 COB insulators, right phase Replace left pole, rated 4, wood pecker holes (3), internal decay (4), 2" shell Replace right pole, rated 4, wood pecker holes (3), internal decay (4), 2" shell		

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
2	0		Crossbrace rated 3 (rot)	
3	0		Crossbrace rated 3 (checking) Crossarm rated 3 (checking)	
5	0	Repair left phase for 1 broken strand Repair centre phase for 1 broken strand		
6	0		Insulators not plumb	
7	0		Crossbrace rated 3 (checking)	
8	0	Repair centre phase for 1 broken strand Repair right phase for 1 broken strand		
10	0		Crossarm rated 3 (checking)	
17	0		Crossarm rated 3 (checking)	
20	0	Replace 7 flashed insulators, centre phase Replace 7 flashed insulators, right phase	Right pole, rated 3, shell separation (3 – 50')	
21	0		Left pole, rated 3, checking (3), 5" cavity, 3" shell Right pole, rated 2, checking (3)	
22	0	Replace right pole, rated 4, 2-3" shell, internal decay (4)	Left pole, rated 2, checking (3)	
23	0		Right pole, rated 2, checking (3)	
24	0		Right pole, rated 3, checking (3)	
27	0	Install side guys on crew recommendation		
29	0		Right pole, rated 2, checking (3)	
33	0		Guy wires and grips noted as "other" with no description Left pole, rated 2, checking (3) Right pole, rated 2, checking (3)	
35	0	Comment – "left pole in for replacement already", however no record indicates that pole is bad.		
36	0	Provide photos or orientation/description of damage, left pole, rated 3, "split through top down below arm"		
38	0		Left pole, rated 3, shell separation (3 – 60')	
43	0		Guy wires and grips noted as "other" with no description	
44	0	Install 2 guy guards		
46	0		Guy wires and grips noted as "other" with no description Right pole, rated 3, checking (3)	
47	0		Left pole, rated 2, shell separation (3 – 50') Right pole, rated 2, shell separation (3 – 50')	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
48	0		Right pole, rated 3, carpenter ants (3), 3" shell	
49	0	Reassess right pole, rated 4, no defects recorded	Left pole, rated 3, carpenter ants (3), shell 3-4" 3 feet up from ground	
50	0		Guy wires and grips noted as "other" with no description	
51	0	Replace nut on centre DA assembly ("nut off")	Right pole, rated 3, carpenter ants (3)	
53	0	Replace 3 COB insulators, right phase	Crossarms, rated 3 and 4, checks (4), rot (3) Centre pole, rated 3, shell separation (3 – 50')	
54	0	Tighten double arm plates		
55	0	Tighten double arm brackets, all phases	Left pole, rated 2, checking (3) Right pole, rated 3, carpenter ants (3), checking (3)	
58	0		Right pole, rated 3, shell separation (3 – 50'), checking (3)	
59	0		Left pole, rated 2, checking (3) Right pole, rated 2, checking (3)	
60	0	Tighten double arm brackets, all phases		
61	0		Left pole, rated 2, checking (3)	
62	0		Right pole, rated 2, shell separation (3)	
64	0		Right pole rated 2, internal decay (3)	
65	0		Left pole, rated 2, 3-7" shell, checking (3)	
70	0		Left pole, rated 3, shell separation (3 – 35'), external decay (3) Centre pole, rated 3, shell separation (3 – 35'), external decay (3) Right pole, rated 3, shell separation (3 – 35'), external decay (3)	
71	0	Install inline guys, structure and insulators not plumb Repair right phase for 1 broken strand		
72	0		Left pole, rated 2, shell separation (3 – 35'), external decay (3) Right pole, rated 2, shell separation (3 – 35'), external decay (3)	
73	0		Left pole, rated 2, 7 wood pecker holes, 2-3" deep	
74	0	Replace crossarm, rated 5	Left pole, rated 2, 3-4" shell, internal decay (2)??	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
80	0	Tighten loose crossbrace bolts Tighten double arm assembly Repair centre phase for 2 broken strands	Right pole, rated 2, checking (3)	
81	0		Right pole, rated 2, carpenter ants (3), 3" shell, internal decay (3)	
82	0	Tighten double arm assemblies, all phases	Crossarm rated 3 (other)	
83	0	Replace source side crossbrace	Structure leaning to source Left pole, rated 3, carpenter ants (3), 2-5" shell	
84	0	Tighten crossbrace centre bolt		
85	0	Tighten double arm assembly bolts, all phases	Centre phase insulator string flashed	
86	0	Replace left pole, rated 5, carpenter ants (5), ½" shell Replace centre pole, rated 5, carpenter ants (5), ½" shell		
88	0	Replace right pole, rated 5, however, no description was provided, and the individual pole condition rankings give a good, solid pole		
89	0		Left pole, rated 2, external decay (3) Right pole, rated 2, external decay (3)	
90	0	Replace left pole, rated 5, wood pecker holes (5), 1" shell, internal decay (5), external decay (4), shell separation (4) Replace right pole, rated 5, wood pecker holes (5), 0.5"-1" shell, internal decay (5), external decay (4), shell separation (4)	Crossbrace rated 3 (checks and cracks)	
91	0		Left pole, rated 2, shell separation (3)	
92	0		Left pole, rated 2, checking (3) Crossbrace rated 3 (cracks)	
93	0		Right pole, rated 2, checking (3)	
94	0		Left pole, rated 2, checking (3)	
95	0	Replace crossarm, rated 5	Left pole, rated 2, checking (3)	
96	0	Replace left pole, rated 4, carpenter ants (4), 1.0-1.5" shell, internal decay (4) Replace right pole, rated 4, carpenter ants (4), 1.5-2.5" shell, internal decay (3)		
97	0		Left pole, rated 2, checking (3)	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
98	0		Left pole, rated 2, checking (3) Right pole, rated 2, 4-5" shell	
99	0	Replace right pole, rated 4, carpenter ants (5), 1-3" shell, internal decay (5), external decay (3), checking (3)		
100	0	Install anti-split bolt, right pole, rated 2, split in top	Left pole, rated 2, shell separation (3 – 10')	
101	0	Replace left phase damper	Left pole, rated 2, external decay (3), shell separation (3 – 55') Right pole, rated 2, external decay (3), shell separation (3 – 55')	
102	0	Tighten double arm plates, all phases	Left phase flashed	
105	0	Repair right phase for 1 broken strand		
106	0	Tighten double arm plates, all phases		
107	0	Tighten crossbrace centre bolt		
108	0	Replace 7 flashed insulators, left phase		
109	0		Centre pole, rated 2, carpenter ants (3), internal decay (3)	
110	0	Comment "no x-brace" (???Was there supposed to be???)		
111	0	Replace left phase double arm assembly nut (missing)	Right pole, rated 2, external decay (2)	
117	0	Replace right pole, rated 4, carpenter ants (4), 2-5" shell		
118	0		Left pole, rated 2, carpenter ants (3)	
121	0		Left pole, rated 2, checking (3) Right pole, rated 2, checking (3)	
123	0		Structure leaning left Insulators not plumb Right pole, rated 2, external decay (3)	
124	0	Repair left phase for 1 broken strand Repair centre phase for 1 broken strand Install 2 guy guards		
125	0		Right pole, rated 2, shell separation (3 – 50')	
126	0		Right pole, rated 2, checking (3)	
127	0	Tighten centre bolt, cross brace		
129	0	Replace right pole, rated 4, 1.5-3" shell, checking (3), carpenter ants (4)		

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
130	0		Left pole, rated 2, external decay (3) Right pole, rated 3, external decay (3), shell separation (4)	
133	0		Left pole, rated 2, shell separation (3 – 65') Right pole, rated 2, shell separation (3 – 65')	
135	0	Tighten double arm plates		
136	0		Left pole, rated 3, no reason provided	
138	0		Left pole, rated 2, shell separation (3 – 15')	
139	0	Install 1 guy guard		
140	0	Replace right pole, rated 4, 1-2" shell, carpenter ants (5)		
141	0		Right pole, rated 2, wood pecker holes (5), checking (3)	
142	0	Replace crossarm, rated 4		
144	0	Install 5 guy guards		
145	0		Right pole, rated 2, shell separation (3)	
146	0	Replace right pole, rated 4, internal decay (4), 1" shell		
148	0		Left pole rated 2, shell separation (3 – 30') Right pole rated 3, shell separation (5 – 50')	
150	0		Right pole, rated 2, checking (3)	
151	0		Right pole, rated 2, checking (3 – 70')	
152	0	Replace left pole, rated 4, however, no description was provided, and the individual pole condition rankings give a good, solid pole		
153	0		Right pole, rated 2, shell separation (3)	
154	0		Right pole, rated 2, shell separation (3)	
155	0	Replace left pole, rated 4, 2-3" shell, internal decay (4) Replace right pole, rated 4, 0.5-1" shell, internal decay (5)		
157	0	Replace missing nut, double arm plate		
159	0		Left pole, rated 2, shell separation (3 – 50')	
162	0	Tighten left phase insulator hardware Replace missing centre phase nut	Crossarm rated 3, split	
163	0	Replace missing crossbrace nut		
164	0	Install inline guys, structure leaning to source Repair left phase for 2 broken strands	Crossarm rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
165	0		Left pole, rated 3, external decay (3), shell separation (4 – 65') Right pole, rated 2, shell separation (3 – 65')	
166	0		Right pole, rated 2, wood pecker holes (5)	
167	0	Replace missing bolt, right phase double arm assembly		
171	0		Left pole, rated 2, internal decay (3) Right pole, rated 2, internal decay (3), shell separation (3) – (50') Cross brace has pieces splitting off	
172	0		Left pole, rated 3, internal decay (4), shell separation (5) – (60') Right pole, rated 3, internal decay (4), shell separation (5) – (60'), checking (4)	
173	0		Left pole, rated 2, shell separation (3 – 55') Right pole, rated 2, shell separation (3 – 55')	
174	0	Install 6 guy guards	Right pole, rated 2, shell separation (4 – 60')	
175	0	Install 4 guy guards	Left pole, rated 2, wood pecker holes (3), shell separation (4 – 60') Right pole, rated 2, shell separation (3 – 60')	
176	0	Replace right pole, rated 4, 2-2.5" shell, internal decay (3), checking (3)		
177	0		Right pole, rated 2, wood pecker holes (5)	
179	0		Centre phase insulators flashed Left pole, rated 2, shell separation (3) Right pole, rated 2, shell separation (3)	
180	0		Left pole, rated 2, shell separation (4 – 50') Right pole, rated 2, shell separation (4 – 50')	
181	0	Install 6 guy guards		
183	0	Replace right pole, rated 5, carpenter ants (3), 0.5" shell, internal decay (5)		
184	0		Left pole, rated 2, checking (3) Right pole, rated 3, carpenter ants (3), 4" shell, internal decay (3)	
185	0	Replace right pole, rated 5, 0.5" shell, internal decay (5)	Left pole, rated 2, checking (3)	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
186	0	Tighten double arm assembly		
187	0		Left pole, rated 2, checking (3) Right pole, rated 2, checking (3)	
188	0	Replace crossbrace, rated 4 (rot) Replace right pole, rated 4, carpenter ants (5) 1-1.5" shell, internal decay (4)	Left pole, rated 2, checking (4)	
189	0	Replace left pole, rated 4, carpenter ants (5), 1.5-2.5" shell, internal decay (5) Replace right pole, rated 3, carpenter ants (4), 3-4" shell, internal decay (3)		
190	0	Reassess right pole rated 2, carpenter ants (5), pole indicated as solid with severe ant infestation?		
191	0	Replace left pole, rated 4, carpenter ants (5), 3" shell, internal decay (3)		
192	0		Right pole, rated 2, shell separation (3 – 50')	
193	0		Left pole, rated 2, internal decay (3) Right pole, rated 2, internal decay (3)	
195	0		Left pole, rated 2, internal decay (3) Right pole, rated 2, internal decay (3)	
196	0	Install 10 guy guards Reassess earth anchors, rated good, but 14 indicated as requiring replacement	Left pole, rated 2, internal decay (3) Centre pole, rated 2, internal decay (3) Right pole, rated 2, internal decay (3), shell separation (3 – 50'), checking (3)	
198	0	Replace left pole, rated 4, carpenter ants (5), 2-3" shell, checking (3)	Right pole, rated 2, checking (3)	
199	0		Left pole, rated 2, checking (3) Right pole, rated 2, checking (3)	
200	0	Replace left pole, rated 4, carpenter ants (4), 2-4" shell, checking (3)	Crossarm rated 3 (checking)	
201	0	Tighten slack guys to replumb structure		
202	0		Structure leaning to load Left pole, rated 2, checking (3)	
205	0	Install inline guys, structure leaning to load		
207	0	Replace right pole, rated 4, carpenter ants (4), 2-3" shell	Left pole, rated 2, checking (3)	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
209	0	Tighten loose bolt, bottom brace		
210	0		Right pole, rated 2, external decay (3)	
211	0	Replace centre pole, rated 4, carpenter ants (5), 1.5-3" shell, internal decay (5)		
212	0	Replace right pole, rated 4, carpenter ants (5), 2-4" shell, internal decay (5), checking (3)		
214	0	Install 8 guy guards Replace left pole, rated 5, carpenter ants (5), 1-1.5" shell, internal decay (3)		
215	0	Install inline guys, structure leaning to load	Left pole, rated 2, external decay (3), shell separation (4 – 50') Right pole, rated 2, internal decay (4), recorded as solid?	
216	0	Install 6 guy guards		
219	0		Left pole, rated 3, internal decay (3)	
220	0		Right pole, rated 2, carpenter ants (3)	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
88	0		Left pole, rated 3, shell sep Right pole, rated 3	
89	0	Replace blocking, rated 5	Guy grips and wires marked "other"? No comments	
90	0		Guy grips and wires marked "other"? No comments	
91	0	Replace blocking, rated 4 Replace left pole, rated 4, carpenter ants, internal decay	Guy grips and wires marked "other"? No comments	
92	0		Guy grips and wires marked "other"? No comments	
93	0		Guy grips and wires marked "other"? No comments	
95	0		Crossbraces rated 3 – checking Blocking rated 3	
96	0	Replace blocking, rated 4		
97	0	Replace blocking, rated 4		
98	0	Replace blocking, rated 4	Guy grips and wires marked "other"? No comments Left pole rated 3, external decay	
99	0	Replace blocking, rated 4	Guy grips and wires marked "other"? No comments Left pole rated 3, WP holes Right pole rated 3, WP holes	
100	0	Replace blocking, rated 4	Guy grips and wires marked "other"? No comments Right pole rated 3, WP holes	
101	0	Replace blocking, rated 4	Guy grips and wires marked "other"? No comments Left pole rated 3, WP holes Right pole rated 3, WP holes	
102	0		Blocking rated 3 Guy grips and wires marked "other"? No comments Left pole rated 2, shell separation (3) and external decay (3)	
103	0	Replace blocking, rated 4		
104	0	Replace blocking, rated 4		
105	0	Replace blocking, rated 4		
106	0	Replace blocking, rated 4		
107	0	Replace blocking, rated 4		
108	0		Guy grips and wires marked "other"? No comments	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
109	0		Guy grips and wires marked "other"? No comments Blocking rated 3 Crossbrace rated 3 - cracks	
111	0	Replace blocking, rated 4	Guy grips and wires marked "other"? No comments	
112	0		Guy grips and wires marked "other"? No comments Blocking rated 3	
113	0		Guy grips and wires marked "other"? No comments Blocking rated 3 Kneebrace rated 3 – checking	
114	0	Replace blocking, rated 4 Centre pole, rated 2, Carpenter Ants (4), Wood Pecker holes (4) and internal decay (4) – re-evaluate pole?	Guy grips and wires marked "other"? No comments	
115	0	Replace blocking, rated 4	Guy grips and wires marked "other"? No comments	
123	0	Replace blocking, rated 4	Crossarm – checking (3) and cracks (3) – “dry cracks, still solid”	
124	0		Blocking rated 3 Right pole, rated 2, external decay (3) and shell separation (3)	
125	0		Blocking rated 3 Left pole rated 2, shell sep (4), external decay (4), “not good to climb” Right pole rated 2, shell sep (4), external decay (4), “not good to climb”	
126	0	Replace blocking, rated 4	Structure leaning to source Crossbrace rated 2 – comment “starting to rot”	
127	0	Replace blocking, rated 4		
135	0	Replace blocking, rated 4	Left pole, rated 2, checking (3)	
139	0	Tighten slack guy wires	Centre pole, rated 2, shell separation (3) Right pole, rated 2, shell separation (3)	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
140	0		Left pole, rated 3, shell separation (4), checking (3), "big cracks top to bottom" Centre pole, rated 3, shell separation (4), checking (3), "big cracks top to bottom" Right pole, rated 3, shell separation (4), checking (3), "big cracks top to bottom"	
141	0		Structure leaning to load Left pole, rated 3, shell separation (3), external decay (3)	
147	0	Replace right pole, rated 4, 2" shell Tighten slack guys on left pole		
148	0	Replace crossbraces, rated 4	Crossarm rated 3 (cracks) Right pole, rated 3, 20' shell separation	
150	0		Left pole, rated 3, shell separation (4), "climbing hazard" Centre pole, rated 3, shell separation (4), "climbing hazard" Right pole, rated 3, shell separation (4), "climbing hazard"	
151	0	Replace left pole, rated 4, 2" shell, 5" cavity at top x-brace		
152	0	Replace right pole, rated 4, checking (3), shell separation (4), "extremely shelly, dangerous to climb"		
163	0		Left pole, rated 3, shell separation (4) Right pole, rated 3, shell separation (3) Crossarm rated 4, "2-3 years"	
165	0		Left pole, rated 3, internal decay (4), rot pocket at bottom x-brace	
167	0		Left pole, rated 2, shell separation (3) – (50')	
171	0		Left pole, rated 3, 2-3" shell 2' below knee braces	
177	0	Tighten slack guy wires	Right pole, rated 3, Carpenter Ants (3), 3-4" shell	
184	0		Blocking rated 3 Right pole, rated 2, shell separation (3)	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
192	0	Many miscellaneous problems, assess in field and make corrections as required. Pole does not qualify for change. Crew comments recorded "left pole overhead guy grip very rusty, strands broke, jumper connector on guy rusted and burned, should be changed a.s.a.p. also conductor jumper burned, pitted, 3strands broke. no thimbles on over head guys ,left and right poles. left pole leaning a lot on top".	Left pole, rated 3, checking (3)	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
		There are many crossarm problems on this line. Only those rated 4 or 5 are recommended for replacement		
2	0		Crossarm rated 3	
3	0		Crossarm rated 3 Left pole, rated 3, no reason	
4	0		Crossarm rated 3	
5	0		Crossarm rated 3	
6	0	Replace right pole, rated 4, shell separation Replace crossarm, rated 3		
7	0		Crossarm rated 3	
9	0		Crossarm rated 3	
10	0	Replace Crossarm rated 4		
11	0		Crossarm rated 3	
13	0		Crossarm rated 3	
14	0		Crossarm rated 3	
16	0	Replace Crossarm rated 4		
17	0		Crossarm rated 3	
19	0	Replace Crossarm rated 4		
20	0	Replace Crossarm rated 4	Left pole, rated 3, no reason	
21	0		Left pole, rated 2, checking (3)	
22	0	Replace Crossarm rated 4		
23	0	Replace Crossarm rated 4		
25	0		Crossarm rated 3	
26	0	Replace Crossarm rated 4	Right pole, rated 3, checking (3)	
27	0	Replace Crossarm rated 4	Right pole, rated 2, checking (3)	
28	0		Crossarm rated 3	
29	0	Replace Crossarm rated 4 Structure leaning, install side guys		
30	0		Crossarm rated 3	
31	0		Crossarm rated 3	
34	0		Right pole, rated 3, external decay (3), checking (3)	
46	0		Right pole, rated 3, no reason	
47	0	Remove 10-15 danger trees on each side of right of way		
48	0	Remove numerous danger trees on both sides of ROW		

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
49	0	Remove numerous danger trees on both sides of ROW	Left pole, rated 2, checking (4) Right pole, rated 2, checking (3)	
50	0	Remove numerous danger trees on both sides of ROW		
51	0	Remove numerous danger trees on both sides of ROW		
52	0	Remove numerous danger trees on both sides of ROW		
53	0	Remove numerous danger trees on both sides of ROW		
54	0	Remove numerous danger trees on both sides of ROW		
55	0	Remove numerous danger trees on both sides of ROW		
61	0	Replace crossarm rated 4	Right pole, rated 3, no reason	
62	0		Crossarm rated 3 (checks)	
63	0		Crossarm rated 3	
64	0	Remove numerous danger trees on both sides of ROW		
65	0	Remove numerous danger trees on both sides of ROW	Crossarm rated 3	
67	0	Remove numerous danger trees on both sides of ROW	Crossarm rated 3	
68	0	Remove numerous danger trees on both sides of ROW		
69	0	Remove numerous danger trees on both sides of ROW	Crossarm rated 3	
70	0	Remove numerous danger trees on both sides of ROW	Crossarm rated 3	
71	0		Crossarm rated 3	
72	0		Crossarm rated 3	
74	0	Remove numerous danger trees on both sides of ROW		
75	0	Remove numerous danger trees on both sides of ROW		
76	0	Remove numerous danger trees on both sides of ROW		
77	0	Remove numerous danger trees on both sides of ROW		
78	0	Remove numerous danger trees on both sides of ROW		
79	0	Remove numerous danger trees on both sides of ROW		
80	0	Remove numerous danger trees on both sides of ROW		
81	0	Remove numerous danger trees on both sides of ROW		
84	0	Install guys, structure not plumb		
90	0		Crossarm rated 3	
91	0		Crossarm rated 3	
92	0		Crossarm rated 3	
93	0		Crossarm rated 3	
94	0		Crossarm rated 3	
95	0		Crossarm rated 3	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
96	0		Crossarm rated 3	
97	0		Crossarm rated 3	
98	0		Crossarm rated 3	
101	0		Crossarm rated 3	
102	0		Crossarm rated 3	
103	0		Crossarm rated 3 Conductor wear (3)	
104	0		Crossarm rated 3	
105	0		Crossarm rated 3	
106	0		Crossarm rated 3	
107	0		Crossarm rated 3	
108	0		Crossarm rated 3	
109	0		Crossarm rated 3	
110	0		Crossarm rated 3	
111	0		Crossarm rated 3	
112	0		Crossarm rated 3	
113	0		Crossarm rated 3	
114	0		Crossarm rated 3	
115	0	Replace left phase suspension clamp Reassess left pole, rated 2, carpenter ants rated as 5, however pole is recorded as solid?	Crossarm rated 3	
116	0		Crossarm rated 3	
119	0		Crossarm rated 3	
123	0	Replace 1 insulator, centre phase		
125	0	Replace Crossarm rated 4 Reassess right pole, rated 2, carpenter ants rated as 5, however pole is recorded as solid?		
126	0	Replace Crossarm rated 4	Structure leaning to source	
127	0		Right pole, rated 3, no reason Left pole, rated 3, no reason	
128	0		Crossarm rated 3	
129	0		Crossarm rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
		226-1		
11	0	Replace 15 COB Insulators, left phase Replace 14 COB Insulators, centre phase Replace 12 COB Insulators, right phase		
12	0		Pole, rated 2, wood pecker holes (5)	
24	0	Replace 16 COB Insulators, left phase Replace 16 COB Insulators, centre phase Replace 12 COB Insulators, right phase		
27	0	Replace 16 COB Insulators, left phase Replace 16 COB Insulators, centre phase Replace 16 COB Insulators, right phase		
		226-2		
1	0	Install 7 guy guards	Structure leaning to source Crossarm rated 3	
3	0	Repair centre phase for 1 broken strand		
6	0	Install 1 guy guard		
12	0	Tighten centre phase insulator		
14	0	Install 1 guy guard		
17	0	Install 1 guy guard		
18	0	Install 6 guy guards		
19	0	Install 1 guy guard		
24	0		Crossarm not plumb	
32	0	Repair centre phase for 2 broken strands		
34	0	Install 6 guy guards		
		226		
17	0	Install 1 guy guard Tighten slack guys		
18	0	Install 6 guy guards		
19	0	Install 1 guy guard		
173	0	Repair left phase for 2 broken strands		

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
194	0	Tighten slack guys Remove new insulators on ground	Pole, rated 2, check penetrates groundline	
197	0	Remove new insulators on ground		
198	0	Remove new insulators on ground		
199	0	Remove old insulators on ground		
200	0	Remove new and old insulators on ground		
207	0	Repair centre phase for 1 broken strand		
209	0	Remove old insulators on ground		
215	0	Remove old insulators on ground		
227	0	Remove old insulators near structure		
235	0	Install 3 guy guards (walking access only)		
259	0	Tighten slack guys		
263	0	Repair right OHGW for 2 broken strands		
271	0	Repair centre phase for 1 broken strand		
273	0		Pole rated 2, shell separation (3)	
274	0	Replace left phase insulator, broken skirt		
291	0	Repair right phase for 1 broken strand		
293	0	Repair left phase for 2 broken strands		
298	0	Tighten all insulators Tighten loose v-brace on crossarm	Structure leaning left	
303	0	Install 1 guy guard		
312	0	Repair right phase for 1 broken strand		
335	0	Replace left phase insulator suspension clamp		
336	0	Tighten centre phase insulator, loose on pin		

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
		Many structures on this line have submerged foundations. No recommendations are made, and they are not tabulated here. Many structures on this line have light to moderate vibration. No recommendations are made at this time, and they are not tabulated here.		
3	0	Tighten loose top pin insulator, centre phase		
6	0		Structure leaning to the right	
12	0	Install 1 guy guard		
14	0		Structure leaning to the left Pole rated 2, wood pecker holes (5)	
15	0	Repair left phase for 1 broken strand	Structure leaning to source Pole rated 2, wood pecker holes (5)	
17	0	Tighten loose top pin insulator, centre phase	Centre phase deadend rated 5, however this is an A structure. Recorded in error?	
20	0	Repair left phase for 1 broken strand Tighten loose top pin insulator, centre phase		
21	0	Repair centre phase for 1 broken strand		
22	0	Tighten loose top pin insulator, centre phase	Structure leaning to the right	
24	0	Repair right phase for 1 broken strand Tighten loose top pin insulator, centre phase		
39	0	Install 1 guy guard		
83	0	Install 2 guy guards		
115	0	Tighten slack guys. Surface rust may mean they have to be replaced		
118	0	Reassess guy grips, report says damaged, however number to replace is 0 Install 2 guy guards		
120	0	Install 2 guy guards		
132	0	Install 1 guy guard		
132	1	Install 1 guy guard		
140	0	Install 1 guy guard		
141	0	Install 4 guy guards		
146	0	Install 2 guy guards		

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
146	1	Install 1 guy guard		
149	0	Install 3 guy guards		
149	1	Install 2 guy guards		
164	0	Install 2 guy guards		
225	0	Install 3 guy guards		
228	0	Install 2 guy guards		
229	0	Install 2 guy guards		
230	0	Install 2 guy guards		
231	0	Install 2 guy guards Tighten slack guys		
234	0	Install 1 guy guard		
235	0	Install 3 guy guards		
243	0	Tighten all insulators		
246	0		Structure leaning to source	
252	0	Install 2 guy guards		
261	0		Structure leaning to left Foundation comment – good, but needs repair?	
262	0		Structure leaning to left Foundation comment – good but needs repair?	
267	0	Tighten guys Tighten loose centre phase insulator		
274	0	Install 2 guy guards		
276	0	Install 2 guy guards		
277	0	Install 2 guy guards	Insulators not plumb	
281	0	Tighten slack guys		
285	0	Install 2 guy guards		
286	0	Install 2 guy guards		
287	0	Install 2 guy guards		
288	0	Install 2 guy guards		
289	0	Install 2 guy guards		
293	0	Replace right phase suspension clamp		
294	0		Crossarm rated 2, bad cracks	
295	0		Crossarm rated 3 (cracks)	
296	0	Install 2 guy guards		

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
297	0	Install 2 guy guards		
298	0	Install 2 guy guards	Structure leaning left	
300	0		Comment "pole leaning"	
306	0		Crossarm rated 2, split Insulators not plumb	
308	0	Tighten left and right insulators		
312	0		Crossarm rated 3 Insulators not plumb	
333	0	Install 3 guy guards		
340	0	Install 5 guy guards		
349	0	Install 5 guy guards		
351	0	Install 2 guy guards		
357	0	Install 2 guy guards		
358	0	Install 3 guy guards		
359	0	Install 2 guy guards		
360	0	Install 2 guy guards		
361	0	Install 2 guy guards		
362	0	Install 2 guy guards		
364	0	Install 2 guy guards		
365	0	Install 2 guy guards		
366	0	Install 2 guy guards		
367	0	Tighten all insulators		
370	0	Replace crossarm, rated 4		
371	0	Install 2 guy guards		
372	0	Install 2 guy guards		
373	0	Install 2 guy guards		
376	0	Install 2 guy guards		
377	0	Install 2 guy guards		
378	0	Install 2 guy guards		
379	0	Install 2 guy guards		
380	0	Install 2 guy guards		
381	0	Install 2 guy guards		
382	0	Install 2 guy guards		
384	0	Install 2 guy guards		

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
387	0	Install 2 guy guards		
389	0	Install 2 guy guards		
390	0	Install 1 guy guard		
399	0	Tighten slack guys		
400	0	Tighten slack guys		
401	0	Tighten slack guys		
403	0		Crossarm rated 3	
405	0	Tighten centre phase insulator		
420	0	Tighten slack guys		
422	0	Install 3 guy guards		
423	0	Install 2 guy guards		
424	0	Install 4 guy guards		
460	0	Install 2 guy guards Tighten slack guys		
466	0		Structure leaning left	
467	0	Tighten centre phase insulator		
474	0		Pole rated 2, shell separation (4)	
480	0		Pole rated 2, check penetrates groundline	
482	0	Tighten left and centre phase insulator		
483	0	Tighten centre phase insulator		
484	0	Install 2 guy guards		
487	0	Install 1 guy guard		
489	0		Insulators not plumb	
490	0	Install 1 guy guard		
491	0	Install 1 guy guard		
492	0	Tighten all insulators		
494	0	Install 1 guy guard		
498	0		Old insulators on site	
499	0	Remove tree leaning on guy wire Replace 1 corroded guy grip Install 3 guy guard		
509	0	Replace crossarm, rated 3, cracks		

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
517	0	Replace 1 guy grip Install 1 guy guard Reassess anchor replacement, noted, 2 earth and 2 rock anchors, replace 1 earth and 1 rock?		
519	0	Replace crossarm, rated 4	Pole, rated 3, no reason	
523	0	Tighten loose centre phase insulator		
526	0	Replace crossarm, rated 5 (cracks)		
530	0	Tighten loose centre phase insulator		
537	0	Tighten loose centre phase insulator		
538	0		Pole, rated 3, no reason	
539	0	Reassess pole, comment "replace pole", however pole record indicates a perfect pole, rated 2 Reassess crossarm, comment "replace", rated 3		
540	0	Replace pole, bad split at top pin, rated 3		
542	0	Tighten all insulators	Crossarm rated 3	
543	0	Install 3 guy guards		
545	0		Right phase insulators not plumb	
547	0	Install 2 guy guards		
548	0	Install 2 guy guards		

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
		COB insulators are scheduled for replacement in 2007. Therefore, they will not be listed in this report. Some of this work can be scheduled for replacement during this time. Some work can also be combined (knee braces and crossarms).		
115	0	Replace cross braces and blocking, rated 5 Replace knee braces, rated 5 Repair left OHGW for 1 broken strand?	Crossarm rated 3	
116	0	Install 12 guy guards Repair left phase for 2 broken strands		
117	0		Crossbraces rated 3 Blocking rated 3	
118	0	Replace crossbraces and blocking, rated 4	Right pole, rated 2, checking (4)	
119	0	Replace crossbraces and blocking, rated 4		
120	0	Replace crossbraces and blocking, rated 5	Crossarm rated 3 Kneebraces rated 3	
121	0	Replace crossbraces and blocking, rated 5 Replace kneebraces (3 out of 4 rated 4)		
122	0		Crossarm rated 3 Crossbraces rated 3 Blocking rated 4 Kneebraces rated 3	
123	0	Repair right phase for 1 broken strand Replace kneebraces, rated 4	Crossbraces rated 3 Blocking rated 3	
124	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 4	
125	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
126	0	Install 4 guy guards Replace crossbraces and blocking, rated 4	Crossarm rated 3 Kneebraces rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
127	0		Crossarm rated 3 Guy wires and grips noted as "other" with no description Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
128	0		Left pole, rated 2, checking (3) Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
129	0		Blocking rated 3 One Kneebrace rated 3	
130	0	Replace crossbraces and blocking, rated 4	Crossarm rated 3 Right pole, rated 2, checking (3) Kneebraces rated 3	
131	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
132	0	Install 13 guy guards		
133	0	Repair left phase for 2 broken strands Replace crossbraces and blocking, rated 4	Right pole, rated 2, carpenter ants (3) Kneebraces rated 3	
134	0		Kneebraces rated 3	
137	0	Replace crossbraces and blocking, rated 4	Kneebraces rated 3	
138	0	Replace crossbraces and blocking, rated 4	Kneebraces rated 3	
139	0		Right pole, rated 3, no reason provided Knee braces rated 3	
140	0		Kneebraces (left side) rated 3	
141	0		Kneebraces rated 3	
142	0	Install 1 guy guard	Kneebraces rated 3	
143	0		Crossarm rated 3 Crossbraces rated 3 Kneebraces rated 3	
144	0	Replace left pole, rated 4, internal decay (4) Replace right pole, rated 4, internal decay (4)	Crossarm rated 3 Kneebraces rated 3	
145	0		Kneebraces rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
146	0		Kneebraces rated 3	
147	0		Crossarm rated 3 Crossbraces rated 3 Blocking rated 4 Kneebraces (right side) rated 3	
148	0	Replace crossbraces and blocking, rated 4	Crossarm rated 3 Kneebraces rated 3	
149	0		Crossarm rated 3 Crossbraces rated 3 Blocking rated 3 Kneebraces rated 4	
150	0		Blocking rated 3	
151	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
152	0		Blocking rated 3	
153	0	Reassess crossarm, rated 5, for Other???? No comments		
154	0		Kneebraces rated 3	
155	0		Centre pole rated 2, check penetrates groundline Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
156	0	Install 2 guy guards	Kneebraces rated 3	
157	0	Install 2 guy guards	Kneebraces rated 3	
158	0	Install 4 guy guards	Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
159	0	Reassess left pole, rated 3, 2" shell recorded – Where? , checking (3)	Right pole, rated 2, checking (3) Crossbraces rated 3 Blocking rated 3	
160	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
161	0		Crossarm rated 3 Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
162	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
163	0	Install 4 guy guards	Left pole, rated 3, checking (3) Right pole, rated 3, no reason Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
164	0	Install 8 guy guards	Centre pole, rated 3, no reason Crossbraces rated 3 Blocking rated 3	
165	0	Install 12 guy guards	Crossarm rated 3	
166	0		Centre pole, rated 2, check penetrates groundline Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
167	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
168	0	Install 2 guy guards	Crossarm rated 3 Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
169	0	Install 2 guy guards	Centre pole, rated 2, check penetrates groundline Kneebraces rated 3	
170	0	Install 4 guy guards	Crossbraces rated 3 Blocking rated 3	
171	0	Install 4 guy guards	Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
172	0	Install 6 guy guards Replace right phase damper, bent	Centre pole, rated 2, check penetrates groundline Crossbraces rated 3 Blocking rated 3	
173	0	Install 6 guy guards	Crossarm rated 3 Crossbraces rated 3 Blocking rated 4 Kneebraces rated 3	
174	0	Install 2 guy guards	Crossbraces rated 3 Blocking rated 3	
175	0	Install 2 guy guards	Crossbraces rated 3 Blocking rated 3	
176	0	Install 2 guy guards	Crossarm rated 3 Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
177	0	Install 2 guy guards	Crossbraces rated 3 Blocking rated 3	
178	0	Install 2 guy guards	Left pole, rated 2, carpenter ants (3) Crossbraces rated 3 Blocking rated 3	
179	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
180	0		Guy wires noted as "other" with no description Crossbraces rated 3 Blocking rated 3	
181	0	Repair right phase for 3 broken strands Reset centre phase damper Adjust insulator plumbness	Guy wires noted as "other" with no description Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
182	0		Guy wires noted as "other" with no description Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
183	0		Guy wires noted as "other" with no description Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
184	0		Guy wires noted as "other" with no description Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
185	0	Install 2 guy guards	Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
186	0		Guy wires noted as "other" with no description Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
187	0	Replace crossbraces and blocks, rated 4	Crossarm rated 3 Guy wires noted as "other" with no description Kneebraces rated 3	
188	0		Crossarm rated 3 Guy wires noted as "other" with no description Crossbraces rated 3 Blocking rated 3	
189	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
190	0		Blocking rated 4	
191	0		Crossbraces rated 3 Blocking rated 4 Kneebraces rated 3	
192	0	Replace centre phase damper, bent	Crossbraces rated 3 Blocking rated 3	
193	0	Install 4 guy guards	Kneebraces rated 3	
195	0		Right pole, rated 2, carpenter ants (3) Kneebraces rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
196	0		Crossarm rated 3 Kneebraces rated 4	
197	0		Right phase insulator not plumb	
199	0		Crossbraces rated 3 Blocking rated 3	
201	0		Kneebraces rated 3	
202	0		Crossbraces rated 3 Blocking rated 3	
203	0		Crossarm rated 3 Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
204	0		Crossbraces rated 3 Blocking rated 3	
205	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
206	0		Left pole, rated 2, carpenter ants (3) Crossbraces rated 3 Blocking rated 3	
207	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
208	0		Crossarm rated 3 Kneebraces rated 3	
209	0		Kneebraces (right pole) rated 3	
210	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
211	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
212	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
213	0		Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
214	0		Right pole rated 2, carpenter ants (3) Crossbraces rated 3 Blocking rated 3	
215	0		Blocking rated 3	
216	0		Crossbraces rated 3 Blocking rated 3	
217	0	Install 2 guy guards		
218	0		Crossbraces rated 3 Blocking rated 3	
219	0		Kneebraces rated 3	
220	0		Left pole, rated 2, carpenter ants (3) Blocking rated 3 Kneebraces rated 3	
221	0		Kneebraces rated 3	
222	0		Crossarm rated 3 Crossbraces rated 3 Blocking rated 3 Kneebraces rated 3	
223	0		Guy wires noted as "other" with no description Kneebraces rated 3	
224	0		Kneebraces rated 3	
226	0		Crossbraces rated 3 Blocking rated 3	
227	0		Kneebraces rated 3	
228	0		Left pole, rated 3, internal decay (3), solid?? Kneebraces rated 3	
229	0		Right pole, rated 2, carpenter ants (3) Kneebraces rated 3	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
231	0		Kneebraces rated 3	
232	0		Centre pole, rated 3, no reason	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
		Repairs on TL 240 depend largely on having the line out of service. No repairs listed here warrant taking the line out of service, however, some (as noted) should be performed if the opportunity arises		
1192	0	<i>Possible repair pending outage schedule</i>	Repair centre phase for 1 broken strand	
1195	0		Left pole, rated 3, no reason provided	
1204	0		Right pole, rated 3, no reason provided	
1214	0	<i>Possible replacement pending outage schedule</i>	Guy wires and grips noted as "other" with no description Right pole, rated 4, internal decay (4) (but still solid???)	
1238	0	<i>Possible replacement pending outage schedule</i>	Broken insulator, centre phase	
1239	0		Guy wires and grips noted as "other" with no description	
1245	0		Guy wires and grips noted as "other" with no description	
1246	0		Left pole, rated 2, wood pecker holes (3)	
1247	0		Guy wires and grips noted as "other" with no description	
1257	0		Guy wires and grips noted as "other" with no description	
1267	0		Right pole, rated 3, wood pecker holes (3)	
1275	0		Right pole, rated 3, wood pecker holes (3)	
1276	0		Right pole, rated 2, wood pecker holes (3)	
1281	0	<i>Possible replacement pending outage schedule</i>	Crossbrace cracked at centre bolt	
1287	0	<i>Possible repair pending outage schedule</i>	Right phase insulator hardware cotter pin almost out	
1291	0		Guy wires and grips noted as "other" with no description	
1296	0		Guy wires and grips noted as "other" with no description	
1297	0		Guy wires and grips noted as "other" with no description	
1298	0		Guy wires and grips noted as "other" with no description	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
320	0		Left and centre phase ball link eye bolts at 30-40% wear	
321	0		Left pole, rated 2, internal decay (3)	
322	0	Tighten loose b plates – all phases		
323	0	Repair left phase for 1 broken strand		
328	0		Guy wires and guy grips recorded as “other”	
329	0		Centre phase ball link eye bolts at 40% wear	
331	0		All ball link eye bolts worn 20-40%	
332	0		All ball link eye bolts worn 35-40%	
333	0	Repair centre phase for 1 broken strand	Left phase conductor rated 3	
337	0	Repair left phase for 2 broken strands	Structure leaning to source Insulators not plumb	
338	0		Right pole, rated 3, internal decay (3), external decay (3), shell separation (3), ASSUMPTION: 0.5” SHELL ERRONOUSLY RECORDED AS SHELL THICKNESS, BUT IS ACTUALLY SHELL SEPARATION AMOUNT	
339	0		Left pole, rated 2, wood pecker holes (5)	
341	0	Repair right phase for 1 broken strand		
343	0		Structure leaning to source Insulators not plumb Left pole, rated 3, wood pecker holes (4)	
344	0		Left pole, rated 3, shell (3) – (40’), ASSUMPTION: 1.0” SHELL ERRONOUSLY RECORDED AS SHELL THICKNESS, BUT IS ACTUALLY SHELL SEPARATION AMOUNT	
345	0		Crossarm rated 3 Crossbrace rated 3 Left pole, rated 3, internal decay (3), external decay (3), shell separation (3) – (30’), 2” shell (NO LOCATION RECORDED) Right pole, rated 3, internal decay (3), external decay (3), shell separation (3) – (30’), 2” shell (NO LOCATION RECORDED)	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
347	0		Right pole, rated 2, carpenter ants (5), POLE STILL RECORDED AS SOLID?	
348	0	Retighten slack guys		
349	0	Side guy anchors installed – install the guys Tighten slack guys	All ball link eye bolts worn 40%	
357	0	Tighten slack guy wires		
358	0	Tighten slack guy wires		
360	0	Tighten slack guy wires		
361	0	Tighten slack guy wires	Left pole, rated 2, shell separation (3), ASSUMPTION: 1.5" SHELL ERRONOUSLY RECORDED AS SHELL THICKNESS, BUT IS ACTUALLY SHELL SEPARATION AMOUNT	
363	0	Tighten slack guy wires Repair left phase for 1 broken strand		
364	0		Left pole, rated 2, wood pecker holes (3)	
365	0	Replace ball link eye bolts, worn up to 55%		
366	0	Tighten slack guy wires		
367	0		All ball link eye bolts worn 30-40%	
369	0	Repair right phase for 1 broken strand Tighten blocking	All ball link eye bolts worn 30%	
371	0	Tighten slack guy wires		
375	0	Tighten loose ball link eye bolts		
376	0	Tighten loose b plates – all phases		
378	0		Light vibration noted	
387	0		All ball link eye bolts worn 30-45%	
392	0	Install 4 guy guards	Light vibration noted	
393	0	Install 4 guy guards	Light vibration noted	
394	0	Install 4 guy guards	Light vibration noted	
395	0		Light vibration noted	
396	0		Light vibration noted	

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
1	0	Install 16 guy guards		
2	0	Install guy bonding		
3	0	Install guy bonding		
4	0	Install guy bonding		
5	0	Install guy bonding		
6	0	Install guy bonding		
7	0	Install guy bonding	Right pole, rated 2, shell separation (3), external decay (3), "shell separation top to bottom"	
8	0	Install 14 guy guards		
27	0	Install 6 guy guards		
33	0	Tighten slack guys		
34	0		Left pole, rated 2, check penetrates groundline	
35	0		Right pole, rated 2, "hollow through hardware" (SHOULD THIS POLE BE RATED HIGHER???)	
36	0	Install 6 guy guards	Centre pole, rated 3, 2.5" shell in one location, internal decay (3), shell separation (3) – (45'), installed 1986!	
39	0		Structure leaning to source	
43	0	Install 12 guy guards		
44	0		Left pole, rated 2, shell separation (3)	
45	0	Install 6 guy guards Replace right pole, rated 4, internal decay (4), hollow near hardware		
46	0	Tighten slack guys		
47	0	Tighten slack guys		
50	0	Install 4 guy guards		
53	0	Install 12 guy guards	Centre pole, rated 2, wood pecker holes (3) Right pole, rated 2, wood pecker holes (3)	
58	0	Install 6 guy guards		
63	0	Install 4 guy guards		
64	0	Install 4 guy guards		
68	0	Install 4 guy guards		
72	0	Repair left phase for one broken strand Repair left OHGW for one broken strand	Right phase hardware rated 3	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
73	0	Replace centre pole, rated 4, internal decay (4), rotten at deadend		

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
32	0		Crossarm plates not double nutted Light vibration noted Right pole, rated 3, no reason provided	
118	0	Repair left phase for 3 broken strands	Light vibration noted	
119	0		Blocking rated 3	
130	0		Guy wires and grips noted as "other" with no description	
132	0		Guy wires and grips noted as "other" with no description	
140	0		COMMENT "pole rotten around the crossarm" and "pole rotten around top and bottom x-brace" however, NO POLE REPORTS INDICATE THESE DEFECTS	
141	0	Install 2 guy guards		
142	0	Install 2 guy guards		
148	0		Guy wires and grips noted as "other" with no description	
149	0		Guy wires and grips noted as "other" with no description	
150	0		Guy wires and grips noted as "other" with no description Right pole, rated 2, check penetrates groundline	
151	0		Guy wires and grips noted as "other" with no description	
152	0		Guy wires and grips noted as "other" with no description	
153	0		Guy wires and grips noted as "other" with no description	
154	0	Install 4 guy guards		
155	0		Guy wires and grips noted as "other" with no description	
156	0		Guy wires and grips noted as "other" with no description	
157	0	Reassess right pole, rated 4, wood pecker holes (4), provide photos of damage severity and location	Guy wires and grips noted as "other" with no description	
158	0		Guy wires and grips noted as "other" with no description	
159	0		Guy wires and grips noted as "other" with no description	
161	0	Tighten crossbrace bolt		
162	0		Right pole, rated 2, 5" shell somewhere but not noted, shell separation (3) – (5')	
163	0	Install 12 guy guards		
164	0		Guy wires and grips noted as "other" with no description	
167	0	Replace right pole, rated 4, rotten around bottom x-brace	Guy wires and grips noted as "other" with no description	
168	0		Guy wires and grips noted as "other" with no description	
169	0		Guy wires and grips noted as "other" with no description	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
170	0		Guy wires and grips noted as "other" with no description	
171	0		Guy wires and grips noted as "other" with no description	
173	0		Guy wires and grips noted as "other" with no description	
174	0		Guy wires and grips noted as "other" with no description	
175	0	Replace centre phase suspension clamp	Guy wires and grips noted as "other" with no description	
176	0	Install 6 guy guards Reassess left pole, rated 4, no defects recorded		
177	0	Reassess left pole, rated 4, internal decay (3)	"b plates not double nutted" – WHAT DOES THIS MEAN????	
178	0		Left pole rated 2, external decay (3) Right pole, rated 2, shell separation (3)	
181	0	Reassess left pole, rated 3, internal decay (3), rot pocket (1" to 5" shell) – details on location of rot pocket should be provided	Guy wires and grips noted as "other" with no description	
188	0		Guy wires and grips noted as "other" with no description	
189	0		Guy wires and grips noted as "other" with no description	
190	0	Replace crossarm, rated 5, rot Replace right pole, rated 5, internal decay (5), POLE IS NOTED AS STILL SOLID, EVEN WITH AN INTERNAL DECAY OF 5!!!	Guy wires and grips noted as "other" with no description	
191	0		Guy wires and grips noted as "other" with no description	
192	0		Guy wires and grips noted as "other" with no description	
193	0		Guy wires and grips noted as "other" with no description	
194	0	Repair left phase for one broken strand		
196	0		Guy wires and grips noted as "other" with no description	
197	0		Guy wires and grips noted as "other" with no description	
198	0		Guy wires and grips noted as "other" with no description	
199	0	Verify COB insulators on all phases. If so, replace all	Guy wires and grips noted as "other" with no description	
200	0	Verify COB insulators on all phases. If so, replace all	Guy wires and grips noted as "other" with no description	
201	0	Verify COB insulators on all phases. If so, replace all	Guy wires and grips noted as "other" with no description	
202	0	Verify COB insulators on all phases. If so, replace all	Guy wires and grips noted as "other" with no description	
203	0	Replace right pole, rated 4, rotten at top x-brace		
204	0		Guy wires and grips noted as "other" with no description	
205	0		Guy wires and grips noted as "other" with no description	

WPLM Recommended Action Report

Str	Suf.	Recommended Action		
		Required	Monitor	No Action
206	0		Guy wires and grips noted as "other" with no description Right pole, rated 2, check penetrates ground line	
209	0		All deadend hardware rated 3	
212	0		Guy wires and grips noted as "other" with no description	
213	0		Guy wires and grips noted as "other" with no description	
214	0	Repair left phase for two broken strands Replace left pole, rated 4, internal decay (4), shell separation (3) – (50')	Guy wires and grips noted as "other" with no description	
215	0	Repair right phase for 1 broken strand Install 4 guy guards		
219	0		RIGHT PHASE DEADEND RATED 5, HOWEVER THIS STRUCTURE IS AN "A"	
222	0		Light vibration noted Left pole, rated 3, wood pecker holes (3), internal decay (3), shell separation (3) Right pole, rated 3, wood pecker holes (3)	
225	0		Guy wires and grips noted as "other" with no description	
226	0		Guy wires and grips noted as "other" with no description	
227	0		Guy wires and grips noted as "other" with no description	
228	0	Repair left phase for 1 broken strand		
232	0	Repair centre phase for 1 broken strand	Guy wires and grips noted as "other" with no description	
234	0		Guy wires and grips noted as "other" with no description	
235	0		Guy wires and grips noted as "other" with no description	
238	0		Right phase insulators not plumb	
240	0	Reassess left pole, rated 2, 2" shell indicated, however no location recorded, shell separation (3)		