									F	Page 1 of 2		
,	Winnipèg	IV	IOLD	ED CAS	E CIRCU		AKER, < 10	000	П	D:		
ect	Facility: MacL	ean RPS		F	Project Nam	ne: MacLe	an Regional Pum	ping Station \	/alve Ho	ouse Electrical Upg	rade	
Project	Area : Valve H	ouse		Т	ender No.:	195-2024	4					
_	Location:				Panelboa	ard/MCC:				Cell #:		
r Data	Manufacturer:				Type:			Serial #				
Breaker Data	Rated Voltage:	V	Fra	ame Size:		А		t:				
ā	Interrupting Ra	ting:	kA		Comments	s:						
	Breaker Identifi	cation Tag Ins	stalled:	□ Y	'es	🗌 No	Visual Signs of	Overheating	g:		Yes 🗌 No	
	Cleanliness (As	s Found):		Good 🗌 A	cceptable	Poor	Cables Suppor	ted Appropri	ately:		Yes 🗌 No	
Cleaning	Connections:			Good 🗌 A	cceptable	Poor	Electro/Mechar Interlock:	nical	N/A [	A Good Acceptable Po		
Cle	Ground Conne	ction:		Good 🗌 A	cceptable	Poor	Exercise Circui	it Breaker:		☐ Yes		
	Door Mechanic	al:		Good 🗌 A	cceptable	Poor	Other:					
	Comments:											
	Trip Unit Rat	ing: A		Trip Unit	Туре: [	] None [	] Thermal Mag	netic 🗌 Ele	ctronic			
sb	Breaker Settin	ng (As Left)		I	Ra	ange	S	etpoint		Delay	l <sup>2</sup> T	
Settings	Long T	īme	🗌 Fix	(ed 🗌 Adj		-	Х	A =	Α	sec	On Off	
Breaker \$	Short 7	Гime	🗌 Fix	(ed 🗌 Adj		-	Х	A =	Α	sec	On Off	
Bre	Instanta	neous	🗌 Fix	ked 🗌 Adj		-	Х	A =	А	N/A		

	Perform ins	sulation resis	stance measur	ements for brea	kers >= 2504	A, or as specif	ïed.					
Test	Temperatur	re <sup>. c</sup>	Source:	Disconnec	ted 🗌 Co	nnected (Sou	rce Isolated)		required, prior			
	Temperatur	с.	Load:	Disconnec	ted 🗌 Co	nnected (Load	d Isolated)	cables connected during the test.				
Resistance	Test				ce (MΩ)							
	Voltage	Phase T	o GND (Breal	ker Closed)	Phase To	Phase (Brea	ker Closed)	Line to	Load (Breake	er Open)		
	(VDC)	Α	В	С	A – B	B – C	A - C	Α	В	С		
atio												
Insulation	Test Summ	nary	Test Passe	d 🗌 Test Ir	nconclusive. I	Further Invest	igation Require	ed.	] Test Failed			

-

Х

А

sec

🗌 On 📋 Off

Ground Fault

Fixed Adj.

🗌 Fixed 🔲 Adj.

Contact sistance	Perform contact measurements				
		Α	В	С	Test Summary
Conta	Resistance (μΩ)				Test Passed
C Re	Comments:				─ Further Investigation Required. □ Test Failed

## INSPECTION FORM MOLDED CASE CIRCUIT BREAKER, < 1000V

Page 2 of 2

ID:

<u>.s</u>	Returned to Service:	🗌 Yes	🗌 No	Comments:
	Monitoring / Further Inspection Required:	🗌 Yes	🗌 No	
A	Repair / Replacement Required:	🗌 Yes	🗌 No	

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				

				-	ECTION	-					Page	1 of 1		
V	Vinnipèg			POWER	CABLE	< 1000	V				Cable ID:	:		
Project	Facility: N	1acLean RPS			Project N	Name: M	acLear	n Regiona	al Pumpir	ng Stati	on Valve H	ouse Electrical	Upgrade	
Pro	Area : Val	ve House			Tender	No.: 195-2	2024							
[	Source:					Dest. / Lo	nad.							
	Manufact	urer:		Туре		2000.7 20	au.		Conduct	tor:		oper 🗆 Alu	minum	
Data	No. of		Size:	E	AWG	Length				Measu	easured Previous Data			
Cable Data	Conducto	rs:	Operating	<u> </u>		_			··· 🗆	Jacket	Markings	5 🗌 TDR		
0	Rated Vo	itage. v	Voltage:		V	Date Ir								
	Installatio	n: Cable Tra		] EMT ] Steel Conc	luit 🗌	] Alum. Co ] PVC Co			Direct E Underg		Duct C	)ther:		
L.	Physical I	Damage on Expose	ed Ends:	☐ Yes	🗌 No	Cable Id	entific	ation Ta	ag Install	led:		☐ Yes	🗌 No	
Visual Inspection	Visual Sig	ns of Overheating		🗌 Yes	🗌 No	Cable S	upport	ted App	ropriatel	y:		🗌 Yes	🗌 No	
V Ins	Bend Rad	lius Acceptable:		🗌 Yes	🗌 No	Comme	nts:							
	Test Preparatio	Source:		urce Isolated	Disco	est. / Load				is requ	ired, prior	of City's Repr to leaving ca g the test.		
<b>Fest</b>	Cable Te	_							und all		rs not under t	est for each		
Insulation Resistance Test					ulation Re					0				
esista	Test Voltage		A-G		-GND	C-GN		N-G		_	ummary			
ion R		Reading							Test Inco Further I					
sulat	V	Corrected to 20°	с								t Failed	Sugation req		
-	Utilize 10	00VDC Test Voltag	ge for 600	V rated cabl	es, 500VD	C for cable	es rate	ed <= 30	00V.					
	Comment	S:												
0	Note: Tor	que check required	l for all ca	ables. Conne	ection Resi	stance Te	st req	uired fo	r cables	4/0 AV	VG or larg	er.		
tance	Те	ermination		Connectio	on Resista	nce (μΩ)	- As	Left			То	rque Check		
Connection Resistance			A		в	с		N	١			440 011001		
ction		Source										□ок		
ouue	D	est. / Load										□ок		
ပ	Comment	s:												
	Cable Re	turned to Service:		☐ Yes	s 🗌 No	Comm	ents:							
Final Analysis	Monitorin	g / Further Inspecti	on Requir	red: 🗌 Yes	s 🗌 No									
An F	Repair / F	Replacement Requi	red:	☐ Yes	s 🗌 No									
	•	Company		Name	Signature					Date (yyyy/r	nm/dd)			
Perfor	med By	····· · · · · · · · · · · · · · · · ·										())))		
Check	ed By													

v	Winnipeg INS CONTROL POL								-R 600V		Page 1 of 1			
, `	peg				~ • ∟			I XIVI L	_11, 000¥	I	D:			
Project	Facility:	Ма	cLean RPS			Project N	lame:	MacL	ean Regional Pumpi	ing Statio	n Valve Ho	ouse Electrical L	Jpgrade	
Pro	Area :	Val	ve House			Tender I	No.: 19	95-202	24					
а	Location							Pri. V Rating	oltage g:		Sec. Voltage Rating:			
PT Data	Manufact	turer:							use Size:		Sec. Fuse Size:			
E.	Size:			-	Гуре	):				Other:				
	Physical	Dam	age:	□ Ye	s	□ No	Defec	ctive C	Connections/Wiring	<b>j</b> :		☐ Yes	□ No	
Visual Inspection	Visual Si	gns c	of Overheating:	🗌 Ye	s	🗌 No	Grour Conta		and Shorting Conr	nections	Provide	🗌 Yes	□ No	
Vi Insp	Verify Gr	ound	Connection:	🗌 Ye	s	🗌 No	Verify	With	drawal Mechanism	n Functio	n:	🗌 Yes	🗌 No	
	Fuse Siz	es Ma	atch Drawings:	🗌 Ye	S	🗌 No	Comr	nents	:					
Insulation Resistance Test	Test Prepa	aratio		ected ed with Source	Isol	ated						esentative is re ed during the t		
stanc		т	est	Voltage	In	Insulation Resistance (MΩ)					°C			
Resi	Pr	imary	r To GND	1000 VDC					Test Summary					
ation	Sec	onda	ry To GND	500 VDC					Test Inconclus		Pequired			
Insul	Prima	ary To	o Secondary	1000 VDC					Test Failed	ligation	vequireu.			
	Comments	3:												
	Returned	l to S	ervice:	☐ Yes		□ No	Comr	nents	:					
Final nalysis	Monitorin Required		urther Inspection	☐ Yes		□ No								
4	Repair / I	Repla	acement Required:	☐ Yes		🗌 No								
		npany	Name				Si	gnature			Date (yyyy/mr	m/dd)		
Perfor	Performed By								3			240 (9999/11		
Check	ed By													

	Winnipeg				~			ON FOR ANSFOI		-				Pa	age 1 of 1		
	winnipeg				U	UKKE				X				ID	:		
Project	Facility:	MacLe	ean RP	S			Project N	Name: M	acLean	Regio	onal Pumpi	ing Sta	ition Valv	ve Ho	ouse Electrical L	Jpgrade	
Pro	Area :	Valve	House				Tender	No.: 195-2	2024								
ŋ	Location:					Curre	ent Ratio:		:	А		Volta	ige Clas	s:	V		
CT Data	Manufact	urer:			Model	No.:			T	ype:	🗌 Bar	۱ 🗆	Window	(Sol	(Solid)		
Ċ	Burden R	ating:			BIL:		kV		A	ccura	cy Class:						
E	Physical	Damage	):			Yes	🗌 No	Clean ar	nd Insp	oect Ir	nsulators:				☐ Yes	🗌 No	
Visual	Visual Sig	gns of O	verheat	ing:		Yes	🗌 No	Verify Co	onnect	ions a	are Corre	ct:			☐ Yes	□ No	
V Isul	Adequate	Mounti	ng Supp	oort:		Yes	🗌 No	Commer	nts:								
Test	Test Preparation: Source: Disconnected Connected with Sou Isolated Voltage											uired, p	rior 1	of City's Represtor to leaving cabl the test.			
Insulation Resistance Test	Test Voltage						Insul	ation Res	istanc	:e (M9	Ω)	·	Tempera	ature	e: °C		
esist							Α	В	B C				Test Su		-		
on R	Primary To GND 1000				/								Inco	onclusive			
sulati	Secondary To GND				'								Furt		Investigation F ed	Required.	
lns	Primary T	o Seco	ndary	1000	V												
	Comments	:															
ç	Note: Attac	ch suppo	orting da	ata and satu	Iration	curve.											
Iratio							Ph	ase						Tes	t Summary		
Satu sts				Α		В	6		С			Ν			Fest Passed Fest Inconclusi	ive	
ation, ty Te	Calculated	d Ratio													Further Invest Required.	igation	
Excita	Measured													ר 🗆	Fest Failed		
atio, E and P	Exciting C (mA																
Turns Ratio, Excitation, Saturation and Polarity Tests	Polarity C	orrect	🗌 Ye	s 🗌 No		Yes	🗌 No	□ Yes		٩٥	☐ Yes		No				
Tur	CT Satur Test Perfo		□ Ye	s 🗌 No		Yes	🗌 No	□ Yes		٩o	□ Yes		No				
	CT Returned to Service:					Yes	🗌 No	Commer	nts:								
Final	Monitoring / Further Inspection Yes					Yes	🗌 No										
◄	Repair / Replacement Required:					Yes	🗌 No										
		Compa	any		Nam	e			Signa	ature					Date (yyyy/m	m/dd)	
Perfo	Performed By																
Chec	ecked By																

	Û				INSPE	СТ	ION FO	RM			Page 1 of	2	
	Vinni	peg			DIGI	TAL	_ METE	R			ID:		
Project	Fac	ility: Ma	cLean F	RPS		Proje	ect Name	MacLea	n Regional Pumping	Station	Valve House	Electrical Upgrade	
Pro	Are	a: Val	ve Hous	se		Ten	der No.: 1	95-2024					
	1.00	ation:				Cel	1 #•						
Meter Data		auon. nufacturer:					del:						
	Iviai					IVIC							
	Co	over Gaske	et:	🗌 Go	ood 🗌 Acceptabl	e 🗌	Poor	Cover G	lass:	l	Good	Acceptable 🗌 Poor	
tion /	<b>G</b>	eneral Cor	dition:	🗌 Go	ood 🗌 Acceptab	e 🗌	Poor						
Visual		eanliness	(as found	d) 🗌 Go	ood 🗌 Acceptab	e 🗌	Poor	Unit Clea	aned:	Yes			
-		onnections	(as four	nd) 🗌 Go	ood 🗌 Acceptabl	e 🗌	Poor	Connect Torqued		Yes			
st	Mar	anufacturer: Model:											
Test Meter	Cali	bration Da	ite:										
		Nomina Val (V	ue	Phase	Calibrated Met Measuremen (V)	Motor I In			Difference (V)		Error (%)	Acceptable (See Specs)	
			-									🗌 Yes 🗌 No	
	ge	0	1									🗌 Yes 🗌 No	
	Voltage											🗌 Yes 🗌 No	
												🗌 Yes 🗌 No	
												🗌 Yes 🗌 No	
												🗌 Yes 🗌 No	
Accuracy		Nomina Val (V	ue	Phase	Calibrated Met Measuremen (A)		Meter Un (A		Difference (A)		Error (%)	Acceptable (See Specs)	
Ā				А								🗌 Yes 🗌 No	
	ent	0		В								🗌 Yes 🗌 No	
	Current			С								🗌 Yes 🗌 No	
				А								🗌 Yes 🗌 No	
				В								🗌 Yes 🗌 No	
				С								🗌 Yes 🗌 No	
	-	surements		L		As-L			check both boxes				
	Unit	Calibratio	n Adjuste	ed:	]Yes 🗌 No 🛛 🏻 🏻 I	f calik eft aft	oration wa ter calibra	as adjuste ation.	ed, complete two fo	orms, or	ne for as-fou	nd, the other for as-	

## INSPECTION FORM DIGITAL METER

ID:

l sis	Returned to Service:	☐ Yes	🗌 No	Comments:
Final nalysi	Monitoring / Further Inspection Required:	🗌 Yes	🗌 No	
A	Repair / Replacement Required:	🗌 Yes	🗌 No	

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				

				INSPE							Page	Page 1 of 1			
	Winnipèg			EMERGE	INCY	LIGH	ITIN	IG			ID:				
Project	Facility:	Ma	cLean RPS		Project	Name	e: N	lacLean I	Regional Pu	mping St	ation Val	ve House El	ectrical (	Upgrade	
Pro	Area :	Valv	/e House		Tende	r No.:	195-	2024							
	1				<b>F</b> 1	<b>-</b>						Oimait			
Init	Location					From:						Circuit #:			
Battery Unit Data	Manufac	turer:			Moo	del:				S	Serial No	:			
Batto	Input Vol	tage:	V AC	Input Current:		А	C	Dutput V	oltage:	,	V DC	DC Wattage: W			
	Qty of Int	ternal	Lamps:	Internal Lamp W	Nattage: W Type of Internal La					amps:					
	Quantity:			Manufacturer:	Model:										
Remote Fixtures			V DC			A		Otvot		Fisture					
Ren Fixt	Input Vol	-		Input Current: Type of Lamps:		A		Wire S	Lamps per	FIXIUIE	AWO				
	Lamp wa	anage	: W	Type of Lamps.				viie 5	ize.		AWG	ז			
	Identif	icatio	n Tag Installed:	□ Ye	es 🗌	No	Lan	nps Prop	perly Aimed	d:	🗌 Yes 🗌 No				
Visual Inspection /	Visual	signs	of Moisture:	□ Ye	es 🗆	No	Cor	nnection	IS:	Go	od 🗌 Ad	cceptable		r	
Visual	Visual Clean	liness	(As Found):	Good 🗌 Accepta	otable Deor Ground Connection: Good					od 🗌 Ad	Acceptable Poor				
-	Comm	nents:													
		<b>T</b>		~						Tost S	ummary	,			
	Equipment		perature:	C							t Passed				
Battery Testing	Test Nesu	115								Tes	st Inconc		oquirod	4	
tery		-	ime (From Drawing								t Failed	Sugation R	equired		
			s Turn Off:	М	in										
	Comments														
ß	Returned	to Se	rvice:	☐ Yes	🗌 No	Com	nmer	nts:							
Final Analysis	Monitoring	g / Ins	pection Required:	☐ Yes	🗌 No										
An	Repair / R	Replac	ement Required:	☐ Yes	🗌 No										
		0		Nom-				<b>C</b> iana d				Dette	(		
		Con	ipany	Name				Signat	ure			Date	(yyyy/m	m/dd)	
Perfo	rmed By														
Chec	ked By														

ví						Page 1 of 2		
W	Vinnipèg	GROUNDING/BONDING CONNECTION RESISTANCE				Area:		
Project	Facility: Ma	acLean RPS		Project Name: MacLean Regional Pumping Station Valve House Electrical Upgrade				
Pro	Area : Val	ve House		Tender No.: 195-2024				
	1							
		Point A		Point B	Resistance (mΩ)	Acceptable		

	Point A	Point B	(mΩ)	Acce	eptable
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
ks				🗌 Yes 🗌 No	Inconclusive
Resistance Checks (Ductor Test)				🗌 Yes 🗌 No	Inconclusive
sistance Chec (Ductor Test)				🗌 Yes 🗌 No	Inconclusive
esista (Du				🗌 Yes 🗌 No	Inconclusive
R				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
	Comments:				

## INSPECTION FORM GROUNDING/BONDING CONNECTION RESISTANCE

Page 2 of 2

ID:

	Point A	Point B	Resistance (mΩ)	Acce	ptable
				□ Yes □ No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
ks				🗌 Yes 🗌 No	Inconclusive
Resistance Checks (Ductor Test)				🗌 Yes 🗌 No	Inconclusive
ance ( ctor T				🗌 Yes 🗌 No	Inconclusive
esista (Duo				🗌 Yes 🗌 No	Inconclusive
R				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
				🗌 Yes 🗌 No	Inconclusive
	Comments:				

is	Monitoring / Inspection Required:	☐ Yes	🗌 No	Comments:
Final	Repair / Replacement Required:	🗌 Yes	🗌 No	
Ā				

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				

					ON FO			Page 1 of 2		
V	Vinnipèg		INTELL	IGEN	TOVE	RLOAD		ID:		
Project	Facility: Ma	acLean RPS		Proje	ect Name	: MacLean Regional Pumpi	ng Station	Valve House Electrical Upgrade		
Pro	Area : Valve House				der No.: 1	95-2024				
<u></u> 9	Location:			Cell	#:					
O/L Data	Manufacturer	r:		Moc	del:					
_ 5	General Co	ndition:	Good Accepta	able 🗌	Poor					
Visual Inspection	Cleanliness	(as found)	Good Accepta	able 🗌	Poor Unit Cleaned:					
lns /	Connection	s (as found)	Good Accepta	able 🗌	Poor Connections Torqued: Yes					
۲.	Static IP Add	ress:			Subnet Mask					
Communication Settings	Gateway:				Protocol:					
Com	MAC Address	s:								
er st	Manufacturer	r:			Model					
Test Meter	Calibration Date:					Meter calibration must be within one year, unless otherwise specified.				
s	Туре:	Internal to	O/L External		Externa	al CT Ratio:				
CTs	External G	Fround CT:	Yes 🗌 No		Ground CT Ratio:					

### INSPECTION FORM INTELLIGENT OVERLOAD

Page 2 of 2

ID:

		Nominal Test Value (A)	Phase	Calibrated Me Measuremer (A)		telligent O/L easurement (A)	Difference (A)	Error (%)	Acceptable (See Specs)
		0	А						🗌 Yes 🗌 No
	ent		В						🗌 Yes 🗌 No
Accuracy	Current		С						🗌 Yes 🗌 No
Acc			А						🗌 Yes 🗌 No
			В						🗌 Yes 🗌 No
			С						🗌 Yes 🗌 No
	Meas	surements Applica	ble To:	As-Found	May	check both boxes	if applicable.		
	Unit (	Calibration Adjuste	ed: [			ion was adjuste calibration.	d, complete two fo	rms, one for as	s-found, the other for a
	Retu	rned to Service:		☐ Yes	🗌 No	Comments:			
rınaı Analysis	Mon Requ	itoring / Further In: uired:	spection	🗌 Yes	□ No				
∢	Repa	air / Replacement	Required:	Yes	🗌 No				

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				

	<u>e</u>		INS	PECTION	FORM			Page	1 of 6		
V	Vinnipèg			MCC, 600	V			ID:			
Project	Facility: MacL	ean RPS		Project Name: MacLean Regional Pumping Station Valve House Electrical Upgrade					pgrade		
Pro	Area : Valve	House		Tender No.:	195-2024						
	Location:	ocation:						# of Ce	lle:		
ata	Location:			Madalı			Carial #	# 01 Ce	15.		
MCC Data	Manufacturer: Rated Voltage:	V	Main Bus Rating:	Model:	Α	Main Due I	Serial #: Neutral Rating		Α		
ž	Bus Conductor:			urrent Withstar		A			A		
	Bus Conductor.				la Rating.	Α					
	Identification Tag	g Installed:	🗌 Yes	🗌 No	Visual Signs	of Overhea	ting:		🗌 Yes	🗌 No	
	Visual Signs of N	/loisture:	🗌 Yes	🗌 No	Visual Signs	of Corona:			🗌 Yes	🗌 No	
	Fuse/Breaker Sizes Match Drawings:			🗌 No	PT and CT ra	atios match	drawings:	□ N/A	🗌 Yes	🗌 No	
ing	Elevation Drawir	igs Correct:	□ Yes	🗌 No	Cables Supp	orted Appro	opriately:		🗌 Yes	🗌 No	
Clean	Cleanliness (As	Found):	Good Accep	otable 🗌 Poor	Insulators Co	ondition:		Good 🗌	Acceptabl	le 🗌 Poor	
Visual Inspection / Cleaning	Connections:		Good Accep	otable 🗌 Poor	Electro/Mechanical Good		Good 🗌	Acceptable	e 🗌 Poor		
spect	Ground Connect	ion:		table 🗌 Poor	Vents/Filters	:	□G	Good	Acceptable	e 🗌 Poor	
al la	Doors Mechanic	al:		table 🗌 Poor	Exercise Act	ive Compor	ients:		🗌 Yes	🗌 No	
Visu	Cell Fit and Aligr	nment:		table 🗌 Poor							
	Required Cleara Met:	nces are		table 🗌 Poor							
	Indicating mecha	anisms:		table 🗌 Poor	Unit Cleaned	: 🗌 Yes	s Photograp	h Taken	: □`	Yes	
	Comments:						L. C.				
	Туре:	Inspectio									
ver	Main Breaker	Complete	appropriate breaker	inspection for	m.						
Incoming Power	Disconnect	Complete	appropriate disconn	ect inspection	form.						
ominç		Visual Ins	pection: G	iood 🗌 Accep	otable 🗌 Poor						
Inco		Connectio	ons Torqued: 🛛 🛛 Y	es		Connections Torqued:  Yes					

в

Α

Connection Resistance (μΩ) As Left

🗌 Main Lugs

С

Ν

# INSPECTION FORM MCC, 600V

	Test       Disconnected         Preparation:       Connected with         Isolated			Cable Dest. / Load: Disconnected Connected with Load Isolated		Note: Approval of City's Representative is required, prior to leaving cables connected during the test.	
Test	Temperatu	re:	°C				
Insulation Resistance T (Buswork)	Test Voltage	Insu	llation Resistar Phase To Pha		Test Summary Test Passed Test Inconclusive Further Investigation Required.		
	(dc)	A - B	B - C	C - A			
	1000 V						
sulatio (	Test Voltage -	Insu	llation Resistar Phase To GN	· /	Test Failed	1	
lns	voltage	A - GND	B - GND	C - GND			
	1000 V						
	Comments:						

d Resistance (Ductor Test)	Point A	Point B	Resistance (μΩ)	Test Summary □ Test Passed □ Test Inconclusive
esista uctor	MCC GND Bus	Facility Ground Electrode		Further Investigation Required. ☐ Test Failed
s (Di	MCC GND Bus	MCC Enclosure		
Ground Checks (I	MCC GND Bus	System Neutral		
	Comments:			

	Visual Inspect Requirements:	G=Good, A=Acceptable, P=Poor Comments are required for all items identified in Poor condition.
	1.	Confirm identification tag / lamacoid is installed.
	2.	Look for visual signs of overheating.
Breakers	3.	Inspect and torque connections.
	4.	Inspect and test any electro/mechanical interlocks.
	5.	Confirm disconnect operation.
	6.	Check door mechanical condition.
Feeder	7.	Exercise circuit breaker.
_	8.	Confirm cables are supported and routed appropriately.
	9.	Visually assess the general condition of the installation.
		plete an appropriate Breaker Inspection Form for all breakers with separate adjustable Long and trip settings, Ground trip settings, or > 250A frame size.
		Continued on next page

# INSPECTION FORM MCC, 600V

Page 3 of 6

ID:

ID	Loc./ Cell	Frame Rating (A)	Trip Rating (A)	Manuf.	Model	Trip Unit Type	Inst Setting	Visual Inspection	Cleaned	Comments

	Overcurrent Protection Type:	B=Breaker (Thermal Magnetic), M=Motor Circuit Protector, F=Fuse
	Overload Protection Type:	T=Thermal, SS=Solid State, I=Intelligent
	Visual Inspect Requirements:	G=Good, A=Acceptable, P=Poor Comments are required for all items identified in Poor condition.
rs	1.	Confirm identification tag / lamacoid is installed.
acto	2.	Look for visual signs of overheating.
Contactors	3.	Inspect and torque connections.
~	4.	Inspect and test any electro/mechanical interlocks.
Starters	5.	Confirm disconnect operation.
or S	6.	Check door mechanical condition.
Motor	7.	Exercise circuit breaker.
	8.	Confirm cables are supported and routed appropriately.
	9.	Visually assess the general condition of the installation.
		nplete a Motor Starter Inspection Form for all Motor Starters Size 4 or larger, with VFDs, or with Soft ters.

				Overcu	Irrent Pro	tection	Contactor		Overload			
	ID	Loc./ Cell	Type	Rating (A)	Manuf.	Model	Size / Rating	Type	Model	Visual Insp.	Cleaned	Comments
Motor Starters / Contactors												
ontac												
Co												
rters												
r Sta												
lotoi												
2												
	General Comments:											

# INSPECTION FORM MCC, 600V

Page 5 of 6

ID:

				Overcu	rrent Prof	tection	Contactor		Overload			
	ID	Loc./ Cell	Type	Rating (A)	Manuf.	Model	Size / Rating	Type	Model	Visual Insp.	Cleaned	Comments
ers												
Start												
Motor Starters												
ĕ												
	General Comments:											

## INSPECTION FORM MCC, 600V

ID:

 Returned to Service:
 Image: Yes
 Image: No

 Monitoring / Inspection Required:
 Image: Yes
 Image: No

 Repair / Replacement Required:
 Image: Yes
 Image: No

I		Company	Name	Signature	Date (yyyy/mm/dd)
ſ	Performed By				
	Checked By				

V	Vinnipeg			MO		PECTI TART			600V				Page 1 of	2	
Ħ	Facility: M	acl ea	n RPS			-				ional I	Dumning St	ation	Valve House E		ogrado
Project		lve Ho						: 195-20			- uniping st	ation	valve nouse i		yı aue
ш	Alea. Va		Juse			Tenc	ier no.	. 195-20	24						
	Load:				S	Starter L	arter Location:							Cell #:	
	Manufacture	:	T	уре:							Serial #	:	·		
	Size:		Rated	Voltage:	V		Current Rating: A Co				Con	ontrol Voltage: V			
		□ Fu	sed Disc.	Rating:		А	Fuse	Size:	А		e Mfg.				
ą	Circuit Protection:						Inst. Setting: Setting / Rating:			Mod	-				
r Dat		Br M	eaker CP	Rating:		А			Δ						
Starter Data	Overload		ermal		□ 10 □ 20				Mani		ufacturer:				
	Protection:		ectronic elligent	Class:	<u> </u>				ng: A		Model:				
	Control Pow Transformer		Size:		VA S	Sec. Volt	age:	V	Prima	ry Fus	se:	A	Secondary	Fuse:	А
	Current Transformer				None	lono Dotio				iround ault CT:		Present Not Present	Ratio:		
5 5	ID:				S	Size:		kW /		н	P	V	oltage:		V
Motor Data	Full Load Am	ips:	A	Service Fa	ctor:		Other:								
	Starter Identi	ficatior	n Tag Insta	alled:	🗌 Ye	es 🔲 I	□ No Visual Signs of Overheating:							☐ Yes	🗌 No
D	Cleanliness (	As Fou	und):	Good		ptable [						[	Good □ /	Acceptable	e 🗌 Poor
Visual Inspection / Cleaning	Connections		,	Good	Acce	ptable [	] Poo	Electr	o/Mecha			J/A [	Good	Acceptable	e 🗌 Poor
on / C	Ground Conr	nection	:	Good		ptable [	] Poo			nditior	า:	[	Good	Acceptable	e 🗌 Poor
pectio	Door Mechar	nical		Good		ptable [	] Poo	r Conta	ct Align	ment:		[	Good 🗌	Acceptable	e 🗌 Poor
al Ins	Verify O/L ele the load:	ementi	s correctl	y sized for		☐ Yes		Exerc	ise Circ	uit Bre	eaker/MCF	P/Disc	connect		☐ Yes
Visu	Cables Supp	orted A	Appropriat	ely:		☐ Yes		Unit C	leaned:		] Yes P	hoto	graph Taken:	: []	res
	Comments:														
		Test		Δ			В		с						
e si					•		<u> </u>		•		Test Sun		-		
t/Pol	Contact R Disconnect										Test F	ncond	clusive	oquirod	
Contact/Pole Measurements		/ Breal tance (									Furth		vestigation R	equirea.	
ŭğ	Fuse Re	Fuse Resistance (μΩ)													

Comments:

#### INSPECTION FORM MOTOR STARTER, FVNR, 600V

Page 2 of 2

Test		ce: Isolated Disco	est. / Load onnected nected with	d: h Load Iso	prior to l		s Representative is required, connected during the test.		
	Test	Voltore		Insul	ation Resistan	Ground all phases not			
sistaı	Test	Voltage		A B		С	under test!		
n Re	Contactor Line To GND	1000 VDC					Test Summary		
Insulation Resistance	Contactor Load To GND	1000 VDC					Test Inconclusive Further Investigation		
lns	Contactor Line to Load	1000 VDC					Required.		
	Comments:								
s	Returned to Service:	🗌 Yes	🗌 No	Commer	ts:				
Final Analysis	Monitoring / Further Inspect Required:	ction 🗌 Yes	🗌 No						
A	Repair / Replacement Req	uired: 🗌 Yes	🗌 No						

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				

## INSPECTION FORM AC MOTOR, LOW VOLTAGE

Page: 1 of 2

ID:

		550					Maal oon Designal D		Ctation	/alua Llauna Elasta	i a a l 1 la gua da
Project	Facility: MacLea	IN RPS			Project Nar	me:	MacLean Regional Pu	umping	Station	Valve House Electr	ical Upgrade
Pr	Area : Valve H	louse			Tender No.	.: 19	5-2024				
	Size: kW		HP	V	oltage:		V		P.M:		
IJ		V /	ΠP		0		v				
r Dat	Manufacturer:				Model:			Se	erial Nur	mber:	
Motor Data	Frame Type:				Service Factor: Othe						
2	Cooling:	☐ Air ☐ Fan	# Cooling Fans:		Winding Material:						
	Motor Identification	n Tag Instal	ed:	] Yes	s 🗌 No	۷ ٥	/isual Signs of Ove	rheatin	g:		Yes 🗌 No
ing	Connections:		Good	Acce	eptable 🗌 Po	oor /	Air Baffles:			Good Ac	ceptable 🗌 Poor
Clean	Paint:	Paint: Good Ac				oor I	Filter Media:		🗆 N/A		ceptable 🗌 Poor
) / U	Cooling Fans:	□ N	/A 🗌 Good 🗌	Acce	eptable 🗌 Po	oor I	an Controls:		🗆 N/A		ceptable 🗌 Poor
sectio	Anchorage/Alignm	ent:	Good	Acce	eptable 🗌 Po	oor					
l Ins	Ground Connectio	Acce	ptable 🗌 Poor								
Visual Inspection / Cleaning	Mechanical/Electrical Noise During Operation:				s 🗌 No	o l	_ubrication Require	d:		ΠY	es 🗌 No
	Cleanliness (As Found):			Acc	eptable 🗌 Po	oor l	Jnit Cleaned:	] Yes	Photo	graph Taken:	Yes
		Juliu).		7.000				1.00		3	
				7.000				] 100			
	Stator Winding	Test Voltage	Winding Temperature				Resistance (MΩ)			Dielectric Absorption	Polarization
0		Test	Winding		30 Sec			10 mii		Dielectric	Polarization Index (a)
tance		Test Voltage	Winding				Resistance (MΩ)			Dielectric Absorption	Polarization
esistance		Test Voltage (Vdc)	Winding				Resistance (MΩ)			Dielectric Absorption	Polarization Index (a)
on Resistance		Test Voltage (Vdc)	Winding Temperature				Resistance (MΩ)			Dielectric Absorption	Polarization Index (a)
sulation Resistance		Test Voltage (Vdc)	Winding Temperature				Resistance (MΩ)			Dielectric Absorption	Polarization Index (a)
g Insulation Resistance		Test Voltage (Vdc) 500 500	Winding Temperature 40				Resistance (MΩ)			Dielectric Absorption	Polarization Index (a)
inding Insulation Resistance		Test Voltage (Vdc)	Winding Temperature 40				Resistance (MΩ)			Dielectric Absorption	Polarization Index (a)
Winding Insulation Resistance		Test Voltage (Vdc) 500 500	Winding Temperature 40 40				Resistance (MΩ)			Dielectric Absorption	Polarization Index (a)
Winding Insulation Resistance	Stator Winding Notes: (a) Testing to	Test Voltage (Vdc) 500 500 500	Winding         Temperature         40         40         40         40         40         and calculation	(° <b>C)</b>	30 Sec	F dex is	Sesistance (MΩ) 1 min.	10 min	n. (a)	Dielectric Absorption Ratio - - - W (200 HP)	Polarization Index (a) - - -
Winding Insulation Resistance	Stator Winding	Test Voltage (Vdc) 500 500 500	Winding Temperature 40 40 40 40	(° <b>C)</b>	30 Sec	F dex is	Resistance (MΩ) 1 min.	10 min	n. (a)	Dielectric Absorption Ratio - -	Polarization Index (a) - - -
Winding Insulation Resistance	Stator Winding Notes: (a) Testing to	Test Voltage (Vdc) 500 500 500 0 10 minutes	Winding         Temperature         40         40         40         40         40         and calculation	(° <b>C)</b>	30 Sec	F dex is	Sesistance (MΩ) 1 min.	10 min	n. (a)	Dielectric Absorption Ratio - - - W (200 HP)	Polarization Index (a) - - -
Windin	Stator Winding Notes: (a) Testing to	Test Voltage (Vdc) 500 500 500 0 10 minutes	Winding Temperature 40 40 40 40 s and calculation Test Passed	(° <b>C)</b>	30 Sec	F dex is	Resistance (ΜΩ)  1 min.  5 only required for n Further Investigation  Test Summary  Test Passed	10 min	n. (a)	Dielectric Absorption Ratio - - - W (200 HP)	Polarization Index (a) - - -
Winding Winding Insulation Resistance	Stator Winding Stator Winding (a) Testing to Test Summary	Test Voltage (Vdc) 500 500 500 0 10 minutes	Winding Temperature 40 40 40 40 and calculation Test Passed sistance (μΩ)	(° <b>C)</b>	30 Sec	F dex is	Resistance (MΩ)  1 min.  5 only required for n Further Investigatio Test Summary	10 min 10 min notors : on Req	n. (a)	Dielectric Absorption Ratio - - - W (200 HP) Test Fa	Polarization Index (a) - - -

Comments:

### INSPECTION FORM AC MOTOR, LOW VOLTAGE

Page: 2 of 2

ID:

_	Not Applicable							
lation Se	Bearing	Test Voltage	Bearing	Resistance (MΩ)				
sulat ance	boaring	(Vdc)	Temperature (°C)	1 min.	Corrected to 40°C			
aring Insul Resistanc		500						
Bearii Ro		500						
_	Test Summary	Test Passed	Test Inconclusiv	e. Further Investigation Requi	red. 🗌 Test Failed			

	Not Applicable					
	Actual Winding Ten	nperature:	°C	Actual Bearing Temperature		°C
	RTD	Resistance (Ω)	Calculated Temperature (°C)	RTD	Resistance (Ω)	Calculated Temperature (°C)
ince						
Resistance						
RTD R¢						
Ľ.						
	Test Summary	Test Passed	Test Inconclusiv	e. Further Investigation Require	red. 🗌 Test	Failed

Note: Test connection resistance of bolted connections. Report on cable inspection sheet.

s	Returned to Service:	☐ Yes	□ No	Comments:
Final nalysis	Monitoring / Further Inspection Required:	🗌 Yes	□ No	
4	Repair / Replacement Required:	☐ Yes	🗌 No	

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				

# INSPECTION FORM NON-FUSIBLE DISCONNECT SWITCH, 600V

ID:

ect	Facility: MacLean RPS	F	Project Name	e: Mac	:Lean Re	gional Pun	nping Statio	n Valve H	House Electrical Upg	rade	
Project	Area : Valve House			Tender No.:	195-20	24					
nnect ta	Manufacturer:			Model:							
Disconnect Data	Rated Voltage:	/ Current Rat	ing:	A			Interrupt	ing Rating:		A	
	Identification Tag Installe	d:	🗌 Yes	□ No	Visua	I Signs	of Overhe	eating:		🗌 Yes 🛛 [	] No
aning	Cleanliness (As Found):	Good G	] Accepta	able 🗌 Poor	Supp	ort Insul	ators:		Goo	d 🗌 Acceptable	Poor
l / Cle	Connections:	Good G	] Accepta	able 🗌 Poor	Blade	Conditi	ion:		Goo 🗌	d 🗌 Acceptable	Poor
Visual Inspection / Cleaning	Ground Connection:	🗌 Good 🗌	Acceptal	ble 🗌 Poor	Verify Opera		Mechanic	al	🗌 Goo	d 🗌 Acceptable	Poor
l Insp	Door Mechanical:	🗌 Good 🗌	Acceptal	ble 🗌 Poor	Unit C	Cleaned	:		☐ Yes		
Visua	Fit Plumb & Square:			Yes 🗌 No	Unit L	ubricate	ed:		□ Yes	i	
	Cables Supported Appro	priately:		Yes 🗌 No	Other	:					
9 0		Resistance (μΩ) (As Left)			Tes	t Sumn	nary				
Switchblade Resistance	A	В		C □ Test Passed □ Test Inconclusive							
Switc Resis						Further Test Fai		ation Requi	red.		
	Comments:										
est			Discor	est. / Load: nnected ected with Lo	ad Isol	n				resentative is requ cted during the tes	
ance 1	Test	Voltage			Insula	tion Re	sistance	e (MΩ)		Ground all phas	
esista				A		E	3	С		under test!	
tion R	Disconnect Line To GND	1000 VD0								Test Summary Test Passed Test Inconclusi	vo
Insulation Resistance Test	Disconnect Load To GND Disconnect Line to Load	1000 VDC 1000 VDC								Further Investi Required.	
	Comments:	I		1							

### INSPECTION FORM NON-FUSIBLE DISCONNECT SWITCH, 600V

ID

			□ No	Comments:
Hinom Jalysis	toring / Further Inspection Required:	🗌 Yes	🗌 No	
Repai	ir / Replacement Required:	🗌 Yes	🗌 No	

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				

	Q					-		-	N FOF					Pag	e 1 of 2		
	Winnip	pèg			PA	ANELBOARD, LOW VOLTAGE ID: Project Name: MacLean Regional Pumping Station Valve House Electrical L											
ect	Faci	lity: M	acLea	n RPS			I	Proje	ct Name:	Ma	cLean I	Regional Pu	mping Stat	ion Va	alve House	Electrical U	pgrade
Project	Area	i: Va	lve Ho	ouse				Tenc	ler No.: 1	95-20	)24						
	Loca	tion:						End	From:						No. of C	ircuite:	
									-						110. 01 C	incuits.	
ata		ufacture						Model: Serial					-				
Panelboard Data		d Voltag		V	Currei	nt Rating:		A Withstand Rating:									
elbo	□s	ingle Ph	ase	🗌 3 Pł	nase, 3 W	/ire	3	3 Phase, 4 Wire Neutral Bonded to Ground Yes						🗌 No			
Pan		lain Lug	8														
		lain Brea	aker:	Rating:	Α	Manuf	actur	rer: Model:							Inst. S	Setting:	
	Com	plete se	parate	inspectio	n form (F	-BKR-MC	:-LV)	) for main breaker if >= 250A, or has long, sho						t, or g	pround fau	ult settings.	
	Iden	tification	Tag In	stalled:		C	] Yes	s [	] No	Visua	al Sign	s of Overhe	eating:			☐ Yes	🗌 No
/ uc	Visu	al signs	of Mois	sture:		Γ	] Yes	s [	No Visual Signs of Corona:							🗌 Yes	🗌 No
Visual Inspection / Cleaning	Fuse	e/Breake	r Sizes	Match D	awings:	C	] Yes	s 🔲 No Cables Supported Appropriately					<i>r</i> :		🗌 Yes	🗌 No	
al Inspect Cleaning	Clea	nliness (				od 🗌 Ac					ection				Good 🗌	Acceptable	e 🗌 Poor
/isua		Mechar		,		od 🗌 Ac				Grou	nd Cor	nection:				Acceptable	
<b>_</b>				Breakers:					_		ments:			_			
							_										
	Test			urce: Disconne	cted				f City's R				Equipme	nt Te	mperature	e:	°C
est	Prepai	ration:	=	Connecte Source	d with	during			eaving c	ables	conne	ected	Tempera Factor to		Correctior	า	
Resistance Test					Ins	ulation F	Resist	tance	e (MΩ)				Test Sur				
istan	Tes Volta				Groun	d all Pha	ses r	not u	nder test	test!							
			A-G			ND		C-G			N-G				clusive vestigatio	n Required	
Insulation		F	RDG	20°C	RDG	20°C	RD	)G	20°C	R	DG	20°C	Test F	ailec	I	·	
Insul	Toot V	oltages:	120			Tost Va	ltago			201.6	SOOV -		C Toot Vo	ltago			
	Comm		s: 120-300V → 500 VDC Test Voltage 301-600V → 1000 VDC Test Voltage														
	Comm	ents.															
						Bre	akers	s < 10	00A and	With	out Ins	st. Setting					
	List by	model c	of breal	ker. Multi	ole break	ers of va	rying	· ·			sted pe	er line.					
Load/Feeder Breakers	Туре	Ма	nufact	urer	Мос	lel Series	6	R	terruptin ating (kA	'9 A)	Ро	sitions/Ci	cuits	Not	es		
er Br	A																
-eed	B C																
oad/F	D													-			
ت	E																
	F																

#### INSPECTION FORM PANELBOARD, LOW VOLTAGE

Page 2 of 2

ID:

				Breakers	s >= 100A	or with Ins	st. Setting		
	List each brea fault settings.		ividually. Complete	e separate inspec	ction form	(F-BKR-M	C-LV) for b	oreaker if >= 2	250A, or has long, short, or ground
Breakers	ID	Pos.	Manufacturer	Model	Trip Rating (A)	Int. Rating (kA)	Inst. Setting	Separate Form	Notes
Bre									
Load/Feeder									
oad/F									
Ľ									
sis	Returned to	Service:		Yes I	No Con	nments:			

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				

## INSPECTION FORM POTENTIAL TRANSFORMER, 600V

Page 1 of 2

ID:

Project	Facility:	MacL	ean RP	S			Project N	lame:	MacLean	Regional F	Pumping	Statio	n Valve I	House E	lectrical U	pgrade
Pro	Area :	Valve	House				Tender I	No.: 19	95-2024							
ta	PT Locatio	on or D	esignati	on:					Pri. Volta Rating:	ige			Sec. V Rating	/oltage g:		
PT Data	Manufactu	irer:			Catalogu	e #:			Pri. Fuse	Size:			Sec. F	Fuse Siz	ze:	
ц	Size:		١	/A		Туре	e:				0	ther:				
	Physical D	Jamad	o.		Г	] Yes	□ No	Vorif	y Connec	tions are	Correct				□ Yes	∏ No
uo					_	_			unding and				Provide	e	_	
Visual Inspection	Visual Sig			-		Yes	□ No	Contact.							□ No	
V Ins	Verify Gro					] Yes	🗌 No								☐ Yes	□ No
	Fuse Sizes	s Matc	h Drawir	ngs:	C	] Yes	□ No	Com	ments:							
Insulation Resistance Test	Test Prepar	ation:		Disconne	ected ed with Sc	ource Iso				prior to	opproval leaving	cables	conne	ected du	ative is re tring the t	quired, est.
tance	т	est		Vo	Itage				Resistan	· ·			mperati		°C	
Resis	Dairean	Primary To GND 1000 V							PT 2	F	РТ 3		st Sum			
tion F												Test In	nconclu		Required.	
sula	Secondary To GND 500 V												Test Fa			
-	Primary To		ndary	10	00 V											
	Comments:															
	est Preparation:		rce: Disconne Connecte Isolated	ed with \$	Source											
arity							Ph	ase						Test S	ummary	,
٩				РТ	1		P	Т 2			PT 3	6			st Passec st Inconcl	l usive
Turns Ratio and	Calculated Ratio													Fu Re	rther Inve quired.	estigation
s Rat	Measured Ratio													□ Tes	t Failed	
Turn	Polarity Cor	ΠY	es	🗌 No	[	Yes	[	□ No	□ Ye	es		No				
C	Comments:															
s	PT Return	ed to S	Service:			Yes	🗌 No	Com	iments:							
Final Analysis	Monitoring Required:	/ Furt	her Insp	ection		Yes	🗌 No									
A	Repair / R	eplace	ment Re	equired:		Yes	🗌 No									
		Comp	any		Nam	ne			Sign	ature				Date	e (yyyy/m	m/dd)

### INSPECTION FORM POTENTIAL TRANSFORMER, 600V

Page 2 of 2

ID:

Performed By		
Checked By		

								ON FO						Page	1 of 2	
V	Vinnipeg		Т	RANS	FORM	IER, I	DRY	TYPE,	LO	N VC	OLTA	GE		ID:		
Project	Facility: Ma	cLean R	PS				Project Name: MacLean Regional Pumping Station Valve House Electrical Upgrade									
Pro	Area : Val	ve Hous	е			I	Tend	er No.: 1	95-20	24						
<b></b>							Seconda					Secondar	V .			
	KVA:		Pha	se:								V	Voltage:	y V		
Data	Manufacturer:						Type: Seria					Serial Nu	nber:			
rmer	Primary Winding:			econdar /inding:	У		Imp	edance:			%Z	Tem	p Rise:	r	C K Factor:	
Transformer Data	Winding Mate	rial:	Copp	er 🗌 Al	uminur	n										
L, L	No Load Tap	Тар		1	2		3	4	4 5					Tap Setting		
	Changer	Voltage													(As Found):	
	Transformer lo	dentificati	on Ta	a Installe	ed:	□ Ye	es [	No	Visual Signs of Overheating:						□ Yes □ No	
ing	Bushings:			-		_										
Visual Inspection / Cleaning	Paint:					-		Poor	No L	oad Ta					Acceptable Poor	
ion /									Char	iger: Contro						
spect	Fans:															
ial Ins	Temp. Gauge: Ground	. I	IN/ <i>F</i>							ectior						
Visu	Connection:							] Poor							N/A 🗌 Yes 🗌 No	
	Cleanliness (A	s Found)	:	Go	od 🗌 /	Accept	able [	] Poor	Unit	Clean	ed:		'es Phot	ograph Ta	ken:	
	Operational C	onditions	/ Note	es:												
ion	Primary Volta	ge:	H1:H2	2:	V	H2:H	3:		V H	B:H1:			V Measu	red at:		
al Inspection	Secondary Vo	oltage:	X1:	:	V	X2:	:		v xa	::			V Measu	red at:		
	Current:		Ph A:		А	Ph B:			A Pł	C:			A Measu	red at:		
Operation	Tap Setting:		🗌 Fu	pears Sa rther Mo commer	nitoring	Recor		ded.		Тар	o Setti	ng (A	s Left):			
	Thermographi Performed:	'      YAS				ttach r eparate		Results	s: [		sues l ntial Is		d dentified.			
۵										R	esista	ance	(MQ)		Dielectric	
Insulation Resistance		Windir	ng		Т	est Vo (Vd			30				60 s	ec.	Absorption Ratio 60s/30s	
n Res	Primary to G	round, Se	conda	ary Guar	ded											
ulatio	Secondary to	Ground,	Prima	ary Guar	ded											
Insu	Primary to Se	econdary,	Grou	nd Guar	ded											

### INSPECTION FORM TRANSFORMER, DRY TYPE, LOW VOLTAGE

ID:

s	Returned to Service:	🗌 Yes	🗌 No	Comments:
Final nalysis	Monitoring / Further Inspection Required:	🗌 Yes	🗌 No	
۷	Repair / Replacement Required:	🗌 Yes	🗌 No	

	Company	Name	Signature	Date (yyyy/mm/dd)
Performed By				
Checked By				