PINGP 279, Rev. 7 SAFETY EVALUATION Page 1 of 2 Retention: Life

See Attached.

(NON-MODIFICATION)

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Add	ler	idu	ım		1	
Pag	e	1	of	Z	29	Y I

All Safety Evaluations for safety related changes and tests other than Modifications SHALL be submitted on this form.

TITLE: USED MOLDED CASE CIRCUIT BREAKERS INSTALLED IN SAFETY RELATED APPLICATIONS. (Addendum 1)

1. DESCRIPTION (Attach additional sheets as necessary)

Z. YES	11	TECHNICAL SPECIFIC	LATION/LICENSE	AMENUME	NT OR UNREVIEWED
NO	1 <u>x</u> 1	SAFETY QUESTION			
		a. Amendment Requ	est Transmitta	1	DATE:
		b. Authorizing Le	etter Received		DATE:
PREPARED		SKMcCloskey McCloskey	,		5/10/89
OPERATIO			4	DATE:	5-11-89
APPROVEI	BY: A	GEN SUPT PLT ENG	RAD PROT	DATE:	5-24-89
COPY TO:	Genera	l Supt of Training	(GSPERP INIT.)	DATE:_	5-25-89
SAFETY A	AUDIT COM	MITTEE REVIEW		DATE:	

(For Technical Specification/License Amendments or Unreviewed Safety Questions the SAC SHALL review the change prior to

implementation).

	S	E	No	S	E	2	5	2	
Add	e	no	lum		T		-		

INDEX to FUTURE NEEDS

YES	NO											
	777777777777777777777777777777777777777	New Drawin Construction Technic Techni	awing Delevation Cal Marcal Ma	Requestion File anual anual anual sed Specific Change Reports Anal anual recedure Procedure Proc	Requests Sub Addi Dele Revision Sub	est mitt tion tion sion icat ons or Coes am (Req es edur	ions Chan y hang uest	ges	Sub Sub Sub Sub Sub	DRRDDRDDRCFSTAFTDFSPEC Amndmnt omitted witted omitted	非	
					-		**********		 		***************************************	

The above applicable Future Needs have been completed and/or submitted.

Responsible Engineer: Toy // Date: 5/24/39

ADDENDUM 1 TO SAFETY EVALUATION SE NO. 252

This addendum documents the examination of Molded Case Circuit Breakers (MCCBs) by experts of the General Electric Company as referenced on page 2 of the original safety evaluation SE 252.

The conclusion of the examination and testing states that no evidence of internal tampering, readjustment, or counterfeit parts (with the exception of labels) was found. This further supports the conclusions of the original evaluation SE 252 that MCCBs have not been modified from original factory specifications.

A copy of the subject report, "Results of Investigation of 8 Prairie Island Molded - Case Circuit Breakers (GE Proposal WT0518JB)" dated May 5, 1989 is included as part of this addendum.



11272 Strace mile 27 June 202 3mana 1/2 98152

G-EKO-9-084

May 5, 1989

cc: Prairie Island Nuclear Generating Plant

K. M. Beadell/w. att. E. L. Watzl/w. att.

GE

R. N. Woldstad/w. att.

Mr. Terrence Silverberg Northern States Power Company Prairie Island Nuclear Generating Plant 1717 Wakonade Dr. East Welch, MN. 55089

SUBJECT:

Results of Investigation of 8 Prairie Island

Molded Case Circuit Breakers (GE Proposal WT0518JB)

Reference:

Northern States Power Co. (NSP) Purchase Order

PA 3678 MQ dated 4/17/89

Dear Mr. Silverberg:

In agreement with the reference purchase order, eight THEF 50-amp, 600-volt circuit breakers (Cat. No. THEF136050) were investigated in accordance with Proposal WT0518JB on April 20 and 21 at the General Electric - Atlanta, Georgia, Safety-Related Service Shop by W. Heerlein of GE's Electrical Distribution and Control. The breaker population consisted of seven circuit breakers taken from reserve stock and one breaker taken out of service.

During the investigation, all circuit breakers received a detailed, external inspection and were tested for thermal performance (4 units), calibration, and dielectric strength. Three breakers, the one that had been installed in the plant and two chosen based on test results, were opened and inspected internally for any signs of modification, tampering, or counterfeit parts.

The external examination revealed that, of the seven breakers from reserve stock, five had counterfeit rating labels and all seven had counterfeit U/L labels. On one circuit breaker, lockwashers were missing from some of the pressure connector (lug) mounting hardware.

With the exception of the above discrepancies, it is our best professional opinion that the three breakers investigated externally and internally have not been tampered with or readjusted and do not contain counterfeit parts.

This letter also formally transmits the breaker inspection and test data sheets and the instrument record and calibration sheets completed during the investigation.

GE appreciates the opportunity to assist NSP. Please contact me or Mr. Woldstad with any questions you may have.

Sincerely,

David J. Beager 6

Nuclear Services Manager

(402) 496-6919

Attachments

" SE 252-1

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PRAIRIE ISLAND THEF CIRCUIT BREAKER INSPE ON AND TEST DATA SHEET

	CUSTOMET: NORTHERN STATES POWER DATE: 4-20-89
,	Customer: 1VOLINESS 1
Test	Location: AtiAnta Seevee Shop Inspected By July Ofoney
	Circuit Breaker Model: THEF 136050 Circuit Breaker S/N: NA
	date code -725
	EXTERNAL INSPECTION
	Packaging: YES NO
	1. Is carton in original GE container? 2. Is carton in good condition and has not been opened or retaped? 3. Is carton free from altered information on shipping label?
	A "NO" answer may suggest circuit breaker has been used or refurbished.
	YES NO
	Excessive scratches/wear Damaged surface A used appearance /-9 screus Missing terminal hardware Inconsistent term. hardware Missing datecode Non-original date code Missing rating or UL label Altered rating or UL label Non-original rating label
	A "YES" answer may suggest circuit breaker has een used or refurbished.
	INTERNAL INSPECTION & NA ROL 4/21/47
	S-Satisfactory R-Need Repair/Replace Y-Yes N-No N/A-Not Applicable
	COUGIFION
	Contact Condition
	Hardware Tightness
	Cleanliness
	Lubrication
	Are Chute Condition
	Workmanship
	Inconsistent rivets: cover to base
	Inconsistency: CB to CB
	Is CB 600V construction
	Current rating consistent with unit
	A negative response may suggest circuit breaker has been used or refurbished.
	response may suggest circuit breaker has been used
	V HePerone
	page 7 of 9
	page / or s
	1
	SE 252-1 PAGE 6 OF 29

		A phase	B phase	C phase	Pass/Fai
Contact Resis	stance .	1.499	1.44-7	2.61	Part Statement of Column 1984 Column
Heatrise at	nce exceeding norm)	Alexandra Antonio de Santo Antonio de Sa		And the second of the second o	
Trip Time (200% of rat	/00-250 sec				
Hipot: Break	er Opened, Line to Load				
ವರ್ಷ		A - B	B - C	A - C	Pass/ a
Hipot: Break (2200Vac for	ker Closed r l minute)		<u>ot</u>		
Comments:			Marie Colonial Coloni		
				DISPOSITION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION	A TOTAL STREET, STREET

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CALIBRATION DATES: 6-23-88 5-23-89	
TECHNICIAN: (Bignature) (Due) 04/20/89 (Bignature)	146/
2. INSTRUMENT. (Manufacturer) (Model Manufacturer)	Number)
TECHNICIAN: (Signature) (Date)	- 7 ! LL
3. INSTRUMENT: NCE Teste E- (Manufacturer) (Model Number) (SA	N Number)
TECHNICIAN: (Signature) (Due) (Date)	
4. INSTRUMENT: (Type) (Manufacturer) (Addel	/N Number)
CALIBRATION DATES: (Present) (Due) TECHNICIAN: (Signature) (Date)	
5. INSTRUMENT. (Manufacturer) (Manufacturer) (CALIBRATION	S/N Number)
Tachnician: (Signature). (Due) (Date)	

PAGE 9 of 9

PRAIRIE ISLAND THEF CIRCUIT BREAKER INSPECTION AND TEST DATA SHEET

	Customer: Nocther STATES POWER Date: 4-20-89
	Location: M'AN'S STORE Sign Inspected By Littur of a fill
11 :-	Location: MAN - NA
	Circuit Breaker Model: 7-5 E 136050 Circuit Breaker S/N: A/F
	dot orde 545 EXTERNAL INSPECTION
	Packaging: YES NO
	1. Is carton in original GE container? 2. Is carton in good condition and has not been opened or retaped? 3. Is carton free from altered information on shipping label?
	A "NO" answer may suggest circuit breaker has been used or refurbished.
	External C3 Inspection:
	YES NO
	Missing GE logo on rating label
	MISSILL LOWALD W
	Missing terminal hardware Missing terminal hardware Non-original rating label
	Inconsistent term. hardware
	Missing datecode
	A "YES" answer may suggest circuit breaker has been used or refurbished.
	130 4 ha
	INTERNAL INSPECTION - NA FIE +2
	S-Satisfactory R-Need Repair/Replace Y-Yes N-No 'N/A-Not Applicable
	Condition
	Contact Condition
	Hardware Tightness
	Cleanliness
	Lubrication
	Arc Chute Condition
	Varkmenship
	Inconsistent rivets: cover to base
	Inconsistency: CB to CB
	Is C8 600V construction
	Current rating consistent with unit
	mas calibration been altored
	A negative response may suggest circuit breaker has been used or refurbished.
	page 7 of 9
	1
	M' SE 252-1 PAGE 7 OF 29
	TAUTH COMMISSIONERS OF ADMINISTRATION OF ADMINIS

	A nhase	B phase	C phase	Pass/Fai
Contact Resistance (milliohms)	2.46			
Heatrise at Contacts Latary	(Lm)			
Trip Time (200% of rated current)				
Hipot: Breaker Opened, Line (2200 Vac for 1 minute)	to Load Ot	<u>O</u> t	Ot	PASS
2500	A - B	B - C	A - C	Pass/Fa
Hipot: Breaker Closed			ok	

Comments:		ACCUSATION OF THE PROPERTY AND ADDRESS ASSESSMENT		
Comments:				
COMMETTES:				

		18 min / E	247000	3531
١.	INSTRUMENT: Dictor	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION			
	DATES: 6-23-88	6-27-85	-	
	(Present)	(Due)	· er	
	TECHNICIAN (FALO)	Burell 04	1)-01 ES ace)	
	(Signature)	(Da	ace)	
	,	-, 7/		101401
2.	INSTRUMENT: 4 50+	5/24=: +ce	(Model Number)	(S/N Number)
	(Type)	(Manufácturer)	(Model Number)	(2) II Homner
	CALIBRATION			
	DATES: 6-23-88	6-23-89		
	(Present)	(Dire)	65	
	TECHNICIAN / Kity	Charle Os	1/20/85 (ate)	
	(Signature)	, (D	ate)	
			MCE-4000	037644
3.	INSTRUMENT: ME TE	6-19	(Model Number)	(S/N Number)
	(Type)	(Manufacturer)	(Woder namper)	(0)
	CALIBRATION			
	DATES: 4-7-89	4-8-90	and the same of th	
	(Present)	(Dus) (/	1121149	
	TECHNICIAN / Char		1 20 / 87 Date)	
	TECHNICIAN (Signature)	, (pacey	
4.	INSTRUMENT:	AND DAYS - OUT AND	(Model Number)	(S/N Number)
	(Type)	(Manufacturer)	(Model Number)	(5/11 11-11-17)
	CALIBRATION			
	DATES:	***************************************		
	(Present)	(Due)	, ,	
	TECHNICIAN:	-		
	- (Signature)	Date)	
5.	INSTRUMENT:			(CAI Number)
	(Type)	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION			
	DATES:		NAME OF THE PARTY	
	(Present)	(Due)		
	TECHNICIAN:		and and and	
	(Signature)	(Date)	
	/5	,		

PRAIRIE ISLAND THEF CIRCUIT BREAKER INSPECTION AND TEST DATA SHEET

	Customer: NORTHUNN STATES POWER	Date: 4-20-89
		1 / / A//
Track	Location: Liter - Service Ties	, , , , ,
	Circuit Breaker Model: TEF136050	Circuit Breaker S/N: DA
	clate side 931	
	EXTERNAL	INSPECTION
	Packaging:	
		YES NO
	 Is carton in original GE container Is carton in good condition and ha Is carton free from altered inform 	s not been opened of teraped:
1		
	A "NO" answer may suggest circuit brea	ker has been used or refurbished.
	External CB Inspection:	
	YES NO	YES NO
	Excessive scratches/wear	Non-priginal date code
	Damaged surface	Missing GE logo on rating label
	A used appearance /ug schou	Missing rating or UL label
	Missing terminal hardware	Altered rating or UL label Non-original rating label
	Inconsistent term. hardware	NOU-OLIBITME YEARS TARE
	Missing datecode	
	A "YES" answer may suggest circuit bro	eaker has been used or refurbished.
	INTERNA	L INSPECTION
		Y-Yes N-No N/A-Not Applicable
	S-Satisfactory R-Need Repair/Replac	e Y-Yes N-No N/A-Not Applicable
		Condition Comment
		Condition Fix Are
	Contact Condition	A section of the sect
	Hardware Tightness -	The second secon
	Cleanliness -	C
	Lubrication Arc Chute Condition	5 Serve HIPEIPE 1 FALSCO
		S
	Workmanship Inconsistent rivets: cover to base	/V
	Inconsistency: CB to CB	14
	Is CB 600V construction	A SECURIO DE CONTRA DE CON
	Current rating consistent with unit	Y monotoning monotoning monotoning and the contract of the con
	Has calibration been altered .	Victoria, del proposito del pr
		refurbished.
	A negative response may suggest circu	uit breaker has been used or refurbished.
		7 of 0
		page 7 of 9
		1
	₩ SE 252-1	PAGE 12 OF 29
	1	

	A phase	B phase	C phase	Pass/Fail
Contact Resistance . (milliohms)	3.72	1.93	3.02	
Heatrise at Contacts (for resistance exceeding norm)		4	SOURCE CONTRACTOR	
Trip Time 100-250 sec (200% of rated current)	138.33	11:.54	11:.23	-7255
Hipot: Breaker Opened, Line to Loa (2200Vac for 1 minute)	d 04	<u>ot</u>	05	1-255
2500	A - B	B - C	A - C	Pass/Fa
Hipot: Breaker Closed (2200Vac for 1 minute)	OL	Ot_	OŁ	PRES
Comments:				
		Comments of the Comments of th	Allegania de Caracteria de Car	
	Control of the Contro	and control of the co	And the second s	
				the state of the s
				and the state of t
	1			

1.		Din-ne Type)	(Manufacturer)	(Model Number)	(S/N Number)
	(6-23-88 (Present)	(Due) 1/ 04	1 1 20 1 89	
		Signatures 4	Claus Hap	ate)	10/45/ (S/N Number)
2.	CALIBRATION	(Type)	(Manufacturer) 6-23-89	(Model Funder)	
	TECHNICIAN:	(Present) (Present) (Signature)	150 1	4/20/89 Date)	
3.		: MCB Tester	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATIO		(Dye)		
	TECHNICIAN	(Signature)	Of bushy	04 1 20 1 85 (Date)	
4	. INSTRUMENT	(Type)	(Manufacturer)	(Model Number)	(S/N Number)
	DATE	S: (Present)	(Due)		
		-(Signature		(Date) (Model Number	(S/N Number)
	CALIBRAT	(Type)	(Manufacturer	(Model homber	
	TECHNICI	(Present)	(Due)	(Date)	
		(Signatur	e)		

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.. #4

PRAIRIE ISLAND THEF CIRCUIT BREAKER INSPECTION AND TEST DATA SHEET

	Customer: Nowing STARS POLICE Date: 4-20-89		
-	Location: La Serice Time Inspected By fachan O for	ell	
11:5-	Location:	MARIN CHANGE SHOULD	Lancate Screen
	Circuit Breaker Model: 7-5-156050 Circuit Breaker SN. 22	March Street, street, on	
	Cade date 819		
	EXTERNAL INSPECTION		
	Packaging:	YES	NO
	1. Is carton in original GE container?	ALMANDAM .	-
	2. Is carton in good condition and has not been opened or retaped?	_	-
	3. Is carton free from altered information on shipping label?		1
	A "NO" answer may suggest circuit breaker has been used or refurbished.		
	A He milet my regord		
	External CB Inspection:	1000	***
	YES NO	YES	NO
	Excessive scratches/wear Non-original date code	******	X
	Damaged surface Missing GE logo on rating label	-	7
	A used ennearance has soft as Missing rating of UL label	7	ahaa
	Missing terminal hardware	7	Cancerson
	Inconsistent term. hardware Non-original rating label		-
	Missing datecode		
	A "YES" answer may suggest circuit breaker has been used or refurbished		
	S-Satisfactory R-Need Repair/Replace Y-Yes N-No N/A-Not Applic	WDIE	
	Condition Comment		
	Contact Condition	-	
	Hardware Tightness	-	NEWS AND DESCRIPTION
	71 1 (ness		A ACCORDING TO SERVICE STATE
	Lubrication		ROBERT STORES
	Arc Chute Condition	ALAKAR SERANGER	negatival esteroida
	Workmanship		MODEL AND ADDRESS OF THE PARTY
	Inconsistent rivets: cover to base	MAN IN CONTRACTOR OF	
	Inconsistency: CB to CB Is CB 600V construction		
	Is CB 600V construction Current rating consistent with unit	-	
			MAN THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED AND ADDR
	TES GALDLECADO POLITICADA		
	A negative response may suggest circuit breaker has been used or refu	rbish	ed.
	page 7	01 9	
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	ELECTRICAL TEST			
	A phase	B phase	C phase	Pass/Fa
Contact Resistance (milliohms)	2.86	2.54	1.48	
Heatrise at Contacts (for resistance exceeding norm)			Standard Standard Annie Standard Standa	
Trip Time 100-2504 (2001 of rated current)	sec 175.55	250.54	23(93	1-6.
Hipot: Breaker Opened, Line to (2200Vac for 1 minute)	Load OK	OF	<u>Ok</u>	PAS
2500	A - B	B - C	A - C	Pass/I
	OŁ	01.	OL	Pas
Hipot: Breaker Closed (2200Vac for 1 minute)				
Hipot: Breaker Closed (2200Vac for 1 minute) Comments:				
() = ±00		• • • • • • • •		
() = ±00			*********	
() = ±00				
() = ±00				
() = ±00				

			3,00 C	247000	3521
1.		rpe)	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION DATES: 6	-22-58	6-23-89		
		resent)	(Due) a	12-15	
	TECHNICIAN:	ignature)	duel 10	<u>/20/87</u> ate)	
		,	-1. 1/2	101-2.5	101491
2.	INSTRUMENT: /	ype)	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION		1-22-59		
	DATES: 6	resent)	(Due) 10		
	TECHNICIAN:		Morrell 2	4/20/85 Date)	
	-	Signature)	/ (1		
3.	INSTRUMENT: Z	שרב בידני	===	nc8-4002	07764.L
٥.	11131101111111	Type)	(Manufacturer)	(Model Number)	(2)11 115000000
	CALIBRATION	4-2-89	4-2-90		
	DATES:	Present)	(Due)		
	TECHNICIAN :	(hours		4 120/81 Date)	
	0	Signature)	/ / '	Decey	
4	INSTRUMENT:		AND ADDRESS OF THE PARTY OF THE	(Model Number)	(S/N Number)
		(Type)	(Manufacturer)	(Model Namous)	
	CALIBRATION DATES:			CONTRACT CON	
		(Present)	(Due)	, ,	
	TECHNICIAN:			(Date)	
		(Signature)			
5	. INSTRUMENT:		depotent consequences for property of the consequences of the cons	(Model Number)	(S/N Number)
	1	(Type)	(Manufacturer)	(110000	
	CALIBRATION DATES:			ORDER DE PROPERTO DE LA CONTRACTION DE	
	1	(Present)	(Due)	, ,	
	TECHNICIAN		1	(Date)	
		(Signature	,		
	1				

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PRAIRTE ISLAND THEF CIRCUIT BREAKER INSPECTION AND TEST DATA SHEET

	Customer: Neitherin STATES PONER	Date: 4-20-89
75	Location: At 1-2 Spice Sing	Inspected By Hustan Of owner
on back	Circuit Breaker Model: THE F 136050	Circuit Breaker S/N: NA
?aia)	. Late sade . None gersent	
	EXTERNAL	INSPECTION
	Packaging:	YES NO
	 Is carton in original GE container Is carton in good condition and has Is carton free from altered informs 	s not been opened of letapes
	A "NO" answer may suggest circuit brea	ker has been used or refurbished.
	External CB Inspection: YES NO	YES NO
	Excessive scratches/wear Damaged surface A used appearance/us scleut Missing terminal hardware Inconsistent term. hardware	Non-original date code Missing GE logo on rating label Missing rating or UL label Altered rating or UL label Non-original rating label
	Missing datecode	
	A "YES" answer may suggest circuit bre	eaker has been used or refurbished.
	INTERNAL	LINSPECTION
	S-Satisfactory R-Need Repair/Replace	e Y-Yes N-No N/A-Not Applicable
		Condition Comment,
	Contact Condition	S Nesce Lised
	Hardware Tightness	C manufacture manu
	Cleanliness	
	Lubrication	The second of th
	Arc Chute Condition -	S
	Workmanship -	CONTRACTOR OF THE PROPERTY OF
	Inconsistent rivets: cover to base _	
	Inconsistency: CB to CB	
	Is CB 600V construction	A service and a
	Current rating consistent with unit	AND THE RESIDENCE AND ADDRESS OF THE PARTY O
	Has calibration been altered	N
		ait breaker has been used or refurbished.
		page 7 of 9

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	A phase	B phase	C phase	Pass/Fail
ontact Resistance		1.67		
eatrise at Contacts for resistance exceeding norm)			-	
Trip Time 100-250 ===				
Hipot: Breaker Opened, Line to Load	ot	01	<u>st</u>	-45
(2200Vac for 1 minute)	A - B	B - C	A - C	Pass/Fa
Hipot: Breaker Closed (2200Vac for 1 minute)	Ot-	<u>Ot</u>	<u>ok</u>	-055
Comments:				
-				
			and the state of t	
The state of the s				

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- SE 252-1

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١.	INSTRUMENT: 12c-e	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION DATES:	(5-23-85 (Dise)	1 <u>20/87</u> ate)	-
2.	INSTRUMENT: Home (Type) CALIBRATION	S/2ma/+ep (Manufacturer)		(5/N Number)
	DATES: 6-21-58 (Present) TECHNICIAN (Bignature	sandhare phonosic testiment and a series of the		
3.	INSTRUMENT: MOS Test	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION DATES: 4-8-85 (Present) TECHNICIAN (Signatur)	Die of	<u>4/20/85</u> Date)	
4.	(Type)	(Manufacturer)	(Model Number)	(S/N Number)
	DATES: (Present) TECHNICIAN: (Signatur		(Date)	
5	(Type)	(Manufacturer)	(Model Number)	(S/N Number)
	DATES: (Present TECHNICIAN:	Charles And Agree of Control of C	(Date)	
	(Signatu	re).	(500)	

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PRAIRIE ISLAND THEF CIRCUIT BREAKER INSPECTION AND TEST DATA SHEET

	.1 / 7	
	Customer: NOGTAZIN STATES PONER Date: 4-20-89	71
-3+	Location: Lit 200 Topues To Inspected By fundant promise	_
	Circuit Breaker Model: Tr : 136050 Circuit Breaker S/N: No.	
	Circuit breaker moder.	
	date code 919 EXTERNAL INSPECTION	
	Packaging:	NO
		1
	1. Is carton in original CE container? 2. Is carton in good condition and has not been opened or retaped? 3. Is carton free from altered information on shipping label?	Z'
	A "NO" answer may suggest circuit breaker has been used or refurbished.	
	External CB Inspection:	NO
		NO
	Excessive scratches/wear Damaged surface A used appearance / screws Missing terminal hardware Non-original date code Missing GE logo on rating label Missing rating or UL label Altered rating or UL label Non-original date code Missing rating or UL label Non-original date code Missing rating or UL label Non-original date code	-
	Excessive scratches/wear Damaged surface Non-original date code Missing GE logo on rating label	-
	A used appearance / scenes / Missing rating or UL label Missing terminal hardware Altered rating or UL label Inconsistent term. hardware Non-original rating label	-
	A used appearance / Street Altered rating or UL label	7
	Inconsistent term. hardware Non-original rating label	-
	Missing datecode	
	A "YES" answer may suggest circuit breaker has been used or refurbished.	
	INTERNAL INSPECTION <-NA CLE HEN'	
	- New Pennis Pennis Pennis Y-Yes N-No N/A-Not Applicable	
	S-Satisfactory R-Need Repair/Replace Y-Yes N-No N/A-Not Applicable	
	. Condition Comment	
	Contact Condition	
	Hardware Tightness	
	Cleanliness	
	Lubrication	-
	Arc Chute Condition	
	Vorkmanship	
	Inconsistent rivets: cover to base	
	Inconsistency: CB to CB	
	Te CR 600V construction	
	Current rating consistent with unit	
	Was calibration been altered	d
	A negative response may suggest circuit breaker has been used or refurbishe	
	page 7 of 9	
	1	
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	SE 252-1 PAGE 21 OF 29	

	A phosp	B pl ase	C phase	Pass/Fa
			1.90	
ontact Resistance milliohms)	1.65	1.29	1.75	
Heatrise at Contacts	Name and Address of the Owner, when	*		ACCRECATION AND ADDRESS OF THE PARTY OF THE
(for resistance exceeding norm)	19: 73	·67.21	169.51	2055
Trip Time /00-250 sec	1/17.10	Control of the Contro	-	
(2001 of faced current,	load ot	OL	02	725
(2001 of rated current) Hipot: Breaker Opened, Line to (-2200 Vac for 1 minute)	- Anna Anna Anna Anna Anna Anna Anna Ann			
2500	A - B	B - C	A - C	1235/
	CK	Oi.	ok	125
Paralism Closed	01	-	and a second sec	
Hipot: Breaker Closed (2200Vac for 1 minute)				
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		7	18.00	24 7000	3521
1.	INSTRUMENT: (T	ype)	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION		4-23-67		
	DATES:	resent)	(DQE)		
	TECHNICIAN:	1	04	731185	
	C C	ignature)	(D.	ate)	
		£	S/Auc ter	101-3.5	101491
2.	INSTRUMENT:	(ype)	(Manufacturer)	(Model Number)	(S/N Number)
	CALTERATION				
	DATES: 6	-32-82	6-23-89		
	TECHNICIAN	resent)		412115	
		Signature)	(I	Date)	
				MCE-4000	037644
3.	INSTRUMENT:		(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION	Type)			
	DATES:_	V-8-80	4-8-90	WANTED THE PROPERTY OF THE PRO	
		Present)	(0:19)	4/21/55	
	TECHNICIAN	Signature)	malan rekendik kali data rekendik maji maran	Date)	
	• •				
4.			(Manufacturer)	(Model Number)	(S/N Number)
		(Type)	(Manufacturer)	(
	CALIBRATION DATES:		The state of the s	and the same of th	
		(Present)	(Due)	, ,	
	TECHNICIAN:		THE RESIDENCE OF THE PROPERTY	(Date)	
		(Signature)			
5	. INSTRUMENT:		CONTACT AND DESCRIPTION OF SECURITIES (MARRIED VICE OF SECURITIES	(Model Number)	(S/N Number)
	1	(Type)	(Manufacturer)	(Woder names)	,-/
	CALIBRATION		#		
	DATES:	(Present)	(Due)		
	TECHNICIAN:		NAMES OF THE PROPERTY OF THE P	(Parte)	
	1	(Signature))	(Date)	
	i				

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PRAIRIE ISLAND THEF CIRCUIT BREAKER INSPECTION AND TEST DATA SHEET

	Customer: NILTHERN STATT PONEX	Date: 4-	50-87	parameter and the same of the
Test	Location: Atlanta Sees ce Shop	a Inspected B	of fution of olar	eff-
	Circuit Breaker Model: 7- FF136050		aker SN: NA	Peritoria del Caracteria del Caracte
	date code 53(8)			
	evenual	INSPECTION		
		INSPECTION		
	Packaging:			YES NO
	 Is carton in original GE container Is carton in good condition and ha Is carton free from altered inform 	s not been op	ened or retaped?	
	A "NO" answer may suggest circuit brea	ker has been	used or refurbished	
	External CB Inspection: YES NO			YES NO
	Excessive scratches/wear	Non-origina	al date code	, dy
	Damaged surface	Missing GE	logo on rating labe	
	A used appearance Missing terminal hardware	Missing Tal	cing or UL label	1
	Missing terminal hardware	Non-origina	al rating label	-
	Inconsistent term. hardware	MOII-OFFETT	at terrib	SUSPENSION SERVICE
	Missing datecode			
	A "YES" answer may suggest circuit br	eaker has bee	n used or refurbishe	d.
	INTERNA	L INSPECTION		
	S-Satisfactory R-Need Repair/Replac	e Y=Yes N	-No N/A-Not Applic	cable
		Condition	Comment	
	Contact Condition	5	1150 - ome 5:	
	Hardware Tightness -	Y		
	Cleanliness	<u> </u>	The State of the S	Committee and the second second second
	Lubrication -		ENTOPELATION CONTROL C	HOLOGRAM BY MAJOR PARENTAL MAGENTA
	Arc Chute Condition .	CONTRACTOR OF THE PARTY OF THE		ar process in characteristic for the state of the state o
	Workmanship	mare a superior super	estacione referencement en de commence en reconstructor se processo de commence en descripción de commence en reconstructor de commence en	WE SEALTH AND DESCRIPTION OF THE PERSON OF T
	Inconsistent livets: cover to base	<u> </u>	AND AND THE RESIDENCE OF THE PARTY OF THE SECRETARY OF TH	STANDARD V. JOHN COMMERCENSINGS VINCENSINGS
	Inconsistency: CB to CB		AND DESCRIPTION OF THE PERSON	es abstractes, embeloristes accoust transcess.
	Is CB 600V construction		MATERIAL DESCRIPTION OF THE PROPERTY OF THE PR	
	Current rating consistent with unit	N	EMPARTY PRODUCTION AND PRODUCTION OF THE PRODUCT	
	Has calibration been altered	movement and or a particular supplier of the s	Marcher Str. planters NA. 44 Science Personalist Construence on the Street Street Street	
	A negative response may suggest circ	uit breaker h	as been used or refu	rbished.
	*****************************			- 6 0
		,	page 7	01 9
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		ELEC	TRICAL TEST			
			A phase	B phase	C phase	Pass/Fail /
	Contact Resistance (milliohms)		and a second second second		5.07	
	Heatrise at Contacts &	norm)	, A.J.	250	MANUFACTURE CONTRACTOR	7
	Trip Time 100 - 250 = (200% of rated current)	40	137.24	147.16	150.30	There &
rvc.	Hipot: Breaker Opened, Lir (-2200Vac for 1 minute)	ne to Load	21	OK	OŁ	12,52 W
	3500			B - C	A - C	Pass/Fail
El.	Hipot: Breaker Closed (2200Vac for 1 minute)		ot	0.4	01_	19255
	Comments: *Contar & Caster & C	001 01	C 60511	1.5- we	Le Ner	A
					Agenda of the department of the second of th	
	Secretary of the Control of the Cont					
	Characteristics and the control of t		are associated and another participation of the second state of th			
				TE QUINTERS NOTES IN THE STATE OF THE STATE		
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	- /	01'-	747000	5001
	INSTRUMENT: (Type)	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION DATES: 5-23-88	6-22-89		
	TECHNICIAN: (Present)	(Due) 01 04	1/21/89	
	(Lignature)	/	ate)	101491
2.	INSTRUMENT: (Type)	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION DATES: 4-22-88 (Present)	6-23-89 (Due) 1/10		
	TECHNICIAN Signature	Journell ?	4/21/85 Date)	
3.	INSTRUMENT: MC 3 705	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION DATES: Y-7-80 (Present)	(D) (P) (P)		
	TECHNICIAN: Signatur	20/ bundle -	0131189 Date)	
4	(Type)	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION DATES:	AND PRODUCTION OF THE PRODUCT AND ADDRESS OF THE		
	TECHNICIAN:	AND	(Date)	
	(Signatus			
:	. INSTRUMENT: (Type)	(Manufacturer)	(Model Number	(S/N Number)
	CALIBRATION DATES:	To the state of th	August 1-47 (10 / 10 / 10 / 10 / 10 / 10 / 10 / 10	
	(Present) (Due)		
	TECHNICIAN: (Signatu	ire)	(Date)	

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PRAIRIE ISLAND THEF CIRCUIT BREAKER INSPECTION AND TEST DATA SHEET

	Cuscomer: Novimain STATES Ponezi	Date: 4-20-	85					
125	Location: 4' EN - SEEU.CO. Story	Inspected By	Thew of sundy					
	Circuit Breaker Model: THEF. 36050	Circuit Breaker	S/N: /Nri					
	date cere 839	**************						
	EXTERNAL INSPECTION							
	Packaging:		YES NO					
	a Tanana da antainal CE containe	+7						
	 Is carton in original GE containe Is carton in good condition and h Is carton free from altered information 	as not been opened	or retaped? Z Z					
	A "NO" answer may suggest circuit breaker has been used or refurbished.							
	External CB Inspection: YES NO		YES NO					
	Excessive scratches/wear Damaged surface A used appearance of Silver Missing terminal hardware	Non-original de	or UL label					
	Damaged surface	Missing GE Togo	or UL label					
	A used appearance by Street	Altered rating	or UL label					
	Missing terminal hardware	Non-original r	ating label					
	Inconsistent term. hardware	mon-orabana a						
	Missing datecode							
	A "YES" answer may suggest circuit breaker has been used or refurbished.							
	INTERN	AL INSPECTION & NO.	i kit dining					
	S-Satisfactory R-Need Repair/Repla	ce Y=Yes N=No	N/A-Not Applicable					
		Condition	Comment					
	Contact Condition		THE PARTY OF THE P					
	Hardware Tightness	NAME AND ADDRESS OF THE PROPERTY OF THE PROPER						
	Cleanliness	GENERAL PROPERTY STATES OF THE PROPERTY OF THE	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE					
	Lubrication	ALUCEPEAN DESIGNATION OF THE PROPERTY OF THE P	and and anticopies, the state of the state o					
	Arc Chute Condition	Source Control Terrains and extensive Americans	ER ALFON CONTROL OF THE STATE O					
	Workmanship	CONTROL CONTRO	and the second content and the second					
	Inconsistent rivets: cover to base	-						
	Inconsistency: CB to CB							
	Is CB 600V construction	DESCRIPTION OF THE PROPERTY OF						
	Current rating consistent with unit	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT						
	Has calibration been altered	Quantitative or involvered management and other species of the spe	ar refurbished					
	A negative response may suggest circuit breaker has been used or refurbished.							
			page 7 of 9					
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Contact Resistance (milliohms) Heatrise at Contacts (for resistance exceeding norm) Trip Time (200% of rated current) Hipot: Breaker Opened, Line to Load (2200Vac for 1 minute) Hipot: Breaker Closed (2200Vac for 1 minute)	ass/Fail
Contact Resistance (milliohms) Heatrise at Contacts (for resistance exceeding norm) Trip Time (200% of rated current) Hipot: Breaker Opened, Line to Load (2200Vac for 1 minute) Hipot: Breaker Closed (2200Vac for 1 minute)	ass/Fail
(milliohms) Heatrise at Contacts (for resistance exceeding norm) Trip Time 100-250 sec 152.4! 137.35 184.76 (200% of rated current) Hipot: Breaker Opened, Line to Load OC OC OC (2200Vac for 1 minute) Hipot: Breaker Closed (2200Vac for 1 minute)	
Heatrise at Contacts (for resistance exceeding norm) Trip Time 100-250 sec 152.4: 137.35 184.75 (200% of rated current) Hipot: Breaker Opened, Line to Load OC 06 (2200Vac for 1 minute) Hipot: Breaker Closed (2200Vac for 1 minute)	
Heatrise at Contacts (for resistance exceeding norm) Trip Time 100-250 sec 152.4! 137.35 184.75 (200% of rated current) Hipot: Breaker Opened, Line to Load OC OC OC (2200Vac for 1 minute) A - B B - C A - C P Hipot: Breaker Closed (2200Vac for 1 minute)	
Trip Time 100-250 sec 152.4! 137.35 184.75 (200% of rated current) Hipot: Breaker Opened, Line to Load OC OC OC (2200Vac for 1 minute) A - B B - C A - C F Hipot: Breaker Closed (2200Vac for 1 minute)	6
Hipot: Breaker Opened, Line to Load OC	
(2200Vac for 1 minute) A - B B - C A - C F Hipot: Breaker Closed (2200Vac for 1 minute)	F255
Hipot: Breaker Closed Ot Ot Ot OC - CC - CC - CC - CC - CC -	
Hipor: Breaker Closed (2200Vac for 1 minute)	Fors
(2200Vac IOI I minute)	Married World St. St. St. St.
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	ryand in an annahan kanan kanan ang kana

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		Rock C	247000	5501
	INSTRUMENT: Oucoc (Type)	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION DATES: 6-25-28	6-23-87	_	
	(Present)	(Due) AR		
	TECHNICIAN KSIgnature	/hu. 011 04	120/89 (te)	
	,	c, 14.	101-2.5	101491
2.	INSTRUMENT: /-, 20	(Manufacturer)	(Model Number)	(S/N Number)
	CATTERATION	6-23-89		
	DATES: 6-2?-88 (Present)	(Duen) al	austers	
	TECHNICIAN TURAL	0/2011 04	120189	
	(Signature)	/ (D	ate)	,
		- 5Th	MB-4000	037:44
3.	INSTRUMENT: /70-3 705	(Manufacturer)	(Model Number)	(S/N Number)
	CALIBRATION	U-8-90		
	DATES: 4-7-89 (Present)	(Due) of	MARKET COMP.	
	TECHNICIAN:	O/ huell o	4/20/89	
	(Signature)	/ (1	Date)	
,	INSTRUMENT:	/	warmen and the same of the sam	(S/N Number)
46 .	(Type)	(Manufacturer)	(Model Number)	(5)11 11
	CALIBRATION			
	DATES:	(Due)		
	(Present) TECHNICIAN:			
	- (Signature)	Date)	
				THE RESERVE THE PROPERTY OF TH
5	. INSTRUMENT:	(Manufacturer)	(Model Number)	(S/N Number)
	(Type)			
	DATES:	STANDARD STA	DECEMBER OF THE PROPERTY AND THE PROPERT	
	(Present)	(Due)	11	
	TECHNICIAN:	6	(Date)	
	(Signature	,		

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