NO.: 99900294/82-01	DATE(s)	6/21-25/82	INSPECTION ON-SITE HOUR	S: 40
CORRESPONDENCE ADDRESS: West Media ATTN: P. 0. Buffa	inghouse Elec um Motor and U : D. L. Hoov . Box 225 alo, New York	tric Corporation Gearing Division er, General Manag 14240	er	
ORGANIZATIONAL CONTACT: Mr. F TELEPHONE: (716)	R. F. McKeeve ) 631-2128	r, QA Manager		
PRINCIPAL PRODUCT: Electrical NUCLEAR INDUSTRY ACTIVITY: Ap application.	l Motors oproximately	5% of the work lo	ad are motors fo	r nuclear
ASSIGNED INSPECTOR: J B. K. M. Mc Section	Neill, Reacti n (R&CPS)	ve and Components	Program	8-10-82 Date
APPROVED BY:	s, Chief, R&C	PS		8-10-32 Date
INSPECTION BASES AND SCOPE:				
A. <u>BASES</u> : 10 CFR Part 50, A B. <u>SCOPE</u> : Control of specia	ppendix B. 1 processes,	and status of pre	vious inspection	findings.
PLANT SITE APPLICABILITY: No	t identified.	DESIG	NATED ORIGINAL	加志

REP NO.	ORT	9	9900294/82-01	INSPECTION RESULTS:		PAGE 2 of 5
	utor	ATT	NC .			
A.	VIUL	4110	<u>NS</u> :			
	Non	e				
В.	NON	CONF	ORMANCES:			
	1.	Con QA I NA i.e She res	trary to Criterion Manual, Section 2.0 40236, was found w ., only the first ets, Numbers 1 and pectively, four and	V of Appendix B to 10 CFR Part 50 0, one of the four General Orders ith missing pages from two custom two pages of the documents (Motor 2) were on file, although the do d five pages in length.	D and th review er spec Specif cuments	he ed, namely ifications; ications were,
	2.	Con Ins iss sta	trary to Criterion truction (QCI), Nun ued by assembly are mped after complet	V of Appendix B to 10 CFR Part 5 mber 19, a review of current Erro ea B-8 showed that the hardback cu ion of satisfactory repair and re	0 and Q r Corre opies w inspect	uality Control ction Tags ere not being ion.
	3.	3. Contrary to Criterion V of Appendix B to 10 CFR Part 50 and the QA Man Section 5.0, the Quality Control Instruction (Book Number 3 ) on file receiving inspection did not contain QCI Number 7 and the latest revision (i.e., No. 2) of QCI Number 1.				
	4.	Con pur of	trary to the previ chase orders revie the referenced Pur	ous corrective action letters non wed during the inspection identif chase Department Specification.	e of th ied the	e stock revision
	5.	5. Contrary to Criterion V of Appendix B to 10 CFR Part 50 and the QA Manu Section 6.0, the temperature controller for oven number 6 in the "dip a bake" area was found to be in use and overdue for calibration. The calibration sticker indicated it was overdue as of May 31, 1982.				
	6.	Con Sec ful	trary to Criterion tion 16.0, the req ly implemented. F	V of Appendix B to 10 CFR Part 5 uirements in the area of process/ for example:	0 and t control	he QA Manual, were not
		a.	The specification applicable essent	ns for brazing and "dip and bake" tial variables for brazing and "di	did not p and b	define the ake."
		b.	A Shop Practice S cation contained for brazing. Fur did not contain t specification wit from oven, baking "dip and bake."	Sheet was not issued for brazing, very specific information on torce thermore, the Shop Practice Sheet the applicable tolerances identifi th respect to prebake time, temper g temperature, and position of cor	althoug h flame for "d ed in t ature f es duri	h the specifi- requirements lip and bake" the process for removal ng
-						

REPORT NO.:	99900294/82-01	INSPECTION RESULTS:	PAGE 3 of 5
	c. The Shop Practice Sh masking identified i area was not perform	neets were not fully implemented in th in Shop Practice Sheet Number 21 for t ned.	at the he B-66
	d. Inspection criteria checks and homogenei specification for "c process specification locations, nor ident	were not fully implemented in that the ity checks were not performed as requi- dip and bake". It was also noted that ons were neither on file at operator's tified by work instructions.	e sediment red by the applicable work
C. <u>UN</u>	RESOLVED ITEMS:		
No	ne		
D. <u>ST</u>	ATUS OF PREVIOUS INSPECTIO	DN FINDINGS:	
1.	(Closed) Nonconformance contractural requirement	(81-01): Detailed procedures on the ts had not been established.	transfer of
	The missing contract doc added to the files at the safety-related motors are Four General Orders were were compared to General All the customer's techn on file at the manufactur One General Order was for not all pages of the spe plant. This is identified	cuments of General Order BU01882 have ne manufacturing plant. Orders for nu- re entered on the Apparatus Marketing a reviewed at the manufacturing plant l Orders on file in the Buffalo sales nical and quality requirements were for uring plant with the exception noted bound which referenced two specification ecifications were on file at the manufied as nonconformance B.1 above.	been System (AMS). and two office. and to be below. ons. However, facturing
2.	(Closed) Nonconformances performed on six motors had been complied with b	s (81-01): Final inspection and relea without evidence that all contractual by Westinghouse.	se were requirements
	A certification concerning has been issued for the procedure has been review release and certification which complied with the	ing "mercury-free" fabrication conditi motors on Shop Order 78C36121. The ewed with the personnel issuing releas on of two recent shop orders found cer customer requirements.	ons es. The tifications

REPORT NO.:	99900294/82-01	INSPECTION RESULTS:	PAGE 4 of 5			
3.	(Closed) Nonconformances were issued to the shop w	(81-01): Manufacturing Information ( without all applicable specifications.	(MI) sheets			
	The missing specification 892179 has been added to the shop order folder. The procedure was reviewed with the Order Processing Supervisor. An inspection of a sample of released Shop Orders found the MI sheets to be complete with all specifications.					
4.	(Closed) Nonconformance ( removed after repairs.	81-01): DA Tags were not stamped and	i their stub			
	Two of the tags in questi acceptably. Two tags hav procedure has been revise in the assembly area foun Stubs were found to be re	on were verified to have been repaired the been lost of the four in question. ed. A review of several DA Tags on mo and the repair status properly identifient emoved after the repair and the tags s	The The tors ied. stamped.			
5.	(Closed) Nonconformance ( Correction Tags (ECT) wer hardware and the hardback	81-01): The green paper copies of En e not removed from the to-be-repaired copies were removed from repaired ha	eror 1 ardware.			
	The tags in question were issuance and hardback cop personnel have been reins A review of ECT's in the to be implemented with the copies were removed befor after repair. However, i the hardback copies denot seemed to be limited to to identified above as nonco	e corrected, green copies removed after dies removed after repair. The inspec- structed to follow the current procedu assembly and test areas found the pro- ne exception noted below. The green p re repair and the hardback copies remo- t was noted that inspection was not st ting the acceptance of a repari. This the assembly inspection area (B-8).	er tion nre. bocedure baper byed stamping s problem This is			
6.	(Closed) Nonconformance ( not implemented on three report 78-01.	81-01): Corrective and preventive and of four deviations identified in insp	ctions were Dection			
	<ul> <li>Preventive action on implemented. This pr frequency. The instr gram implemented. An rotor assembly areas by the gage inspector of gages out of calib areas.</li> </ul>	the revision of QC Instruction 14 had reventive action was to increase the gruction has been revised and the gage inspection of gages in the shaft fall found these areas to have been auditor. A spot check of the gages found no pration, unassigned, or uncontrolled	i not been gage audit audit pro- brication and ed regularly b evidence in these			

REPO	ORT	99900	294/82-01	INSPECTIO RESULTS:	N		PAGE 5 of 5
	b	<ul> <li>Prevision</li> <li>Mateinspion</li> <li>of tidure</li> <li>Institute</li> <li>Institu</li></ul>	entive actions ling procedure rial Reports v ection area for he receiving f was implement ructions (QCI) ber 7) was not sion level. for 7) was not sion level. In regard to ently found no rts established tified with De entive action sions of spect matic updating rs is not in the hase Department	s in receiving e, on drawing were not imple bund the proce inspection rec ted. However, ) on file were t on file and The missing QC ver, this none o drawing cont o out-of-date ed that all no efective Mater on the issuar ifications are g of the inver effect present	inspection on control and on mented. A surv dures in questi cords found that it was noted t not controlled one QCI (number I was placed on conformance is i crol, a sample o documents. A r inconforming mat rial Reports. the of procedure e referenced in story system's c ily. A review o ions (PDS) were	the issuance issuance of ey of the re on implement a bulk samp that the Qual in that one 1) was not file during dentified ab of drawings i eview of rec erial was be es to assure purchase ord computer cont of stock orde	applicable ers found control event lab cove as n use cove as n cove as n cove as cove as n cove as cove as c
Ε.	OTHER The p cores varni the p shop equip QA Ma scope ments ing s press the s catio were ture. was r not h ident	abov abov FINDIN processe had co ish insu processe floor. pment wa nual we and id is, for e supervis sures ob specific on calle observe hat refe having S tified i	e. <u>GS OR COMMENT</u> : s of brazing of il wires braze lation of mote s were review The use of p s verified wi re identified entifies prob xample, designed ion and inspe- rerved in use ation. Also d for wire. d to be 20° F s also noted renced in the hop Practice n them.	S: and "dip and l ed to leads. or windings. ed. The proce roper materia th the except in this area lems in proces n engineering ction. In rea were 10 psi the brazing ma Regarding "di above the ma that the wax Shop Practic Sheets and al	bake" were inspe "Dip and bake" The procedures esses ere obser is, process limi ions noted. Two Nonconformance as control at se manufacturing gard to brazing, and 4 psi above aterial used was be and bake," the kimum permissible identified in the Sheet. These I the specificat	ected. Motor is the NEMA and specific yed in progr its, and cali o nonconforma a B.6 is very everal levels engineering, the oxygen the maximum s rods, while baking temp le specificat ne process sp problems are tion informat	coils and Class B cations of ress on the brated inces to the broad in its and depart- manufactur- and acetylene limits of the specifi- beratures tion tempera- becification e related to tion

PERSONS CONTACTED company Wistinghouse Sleetric Corp Dates June 21-25, 1982 Docket/Report No. 99900294/82-01 Inspector We hell Page 1 of Z AME(Please Print) ORGANIZATION (Please Print) TITLE(Please Print) ERF MCKEEVER QA Mar. w J SCHRAVER REC. TASP. Superzvisor R CAROTHERS HAD SALES KEP. R. EVER 11 MA DIXSON DESIGN ENG ORDER SER. TEP. M. A. VIEHMANN N.J. TAYLOR Spec. PRODUCTS ENSMOR JF WALSH Ge Jospectal fage F DESIGN ENG SCHEDA QC SUPER. 1 CODWAY 5 BIERNAT DEV ENG GEN. MgR KD HOOVER ENG - MGR. STIEGLMEIER (D) \* Attended Exit Meeting

الم المراجع المراجع الم

Inspector Meloull Scope/Module follow UP

DOCUMENTS EXAMINED

Nocket No. 999 and 19 liata Sheet Page Z of 3.

٩	v		( 1	
1 6/2/02	tyou	9/1/81		
A MARCE OF A D MY	General Updes BUOSSSZ B BUPPLIC TORGE	BULLAND FORE P.O. COMMENTION DOCUMENT APPARATUS MARKETING SYSTEMS NANUAL	JOINING COIL CONNECTIONS TO LABLE bY TORON BRAZING TREATMENT OF MOTOR COMPONENTS IN VARNISH GENERAL CRDER FILE BUDOYIZ	
2	245	s is o m	280	
-	19855	JA 4028 38552 111-911-	82001KD	

Document Types: Drawing \_

Purchas Order

Internal Nemo Specification

Procedure QA Manual

.2.

Other (Specify-If necessary) Letter .....

1200B21

Sequential Item Number Type of Document. Columns: -~

Date of Document 

Revision (If applicable)