R E D L I S T

The following listed consumable materials are approved for their intended use on component surfaces anytime. (See Figure I attached)

All restrictions specified in Sections 9 and 10 of 12-1-QP-4 also apply.

Only consumable materials marked with an asterisk (*) may be used on surfaces containing crevices or inaccessible areas.

Note to Requisitioners and Purchasing

Tape C-5 (Certificate of Conformance) shall be required for all consumable materials purchased to categories 1, 2, and 3. (See 12-1-QP-5)

PLAINTIFF'S EXHIBIT
BAB-311

RED LIST

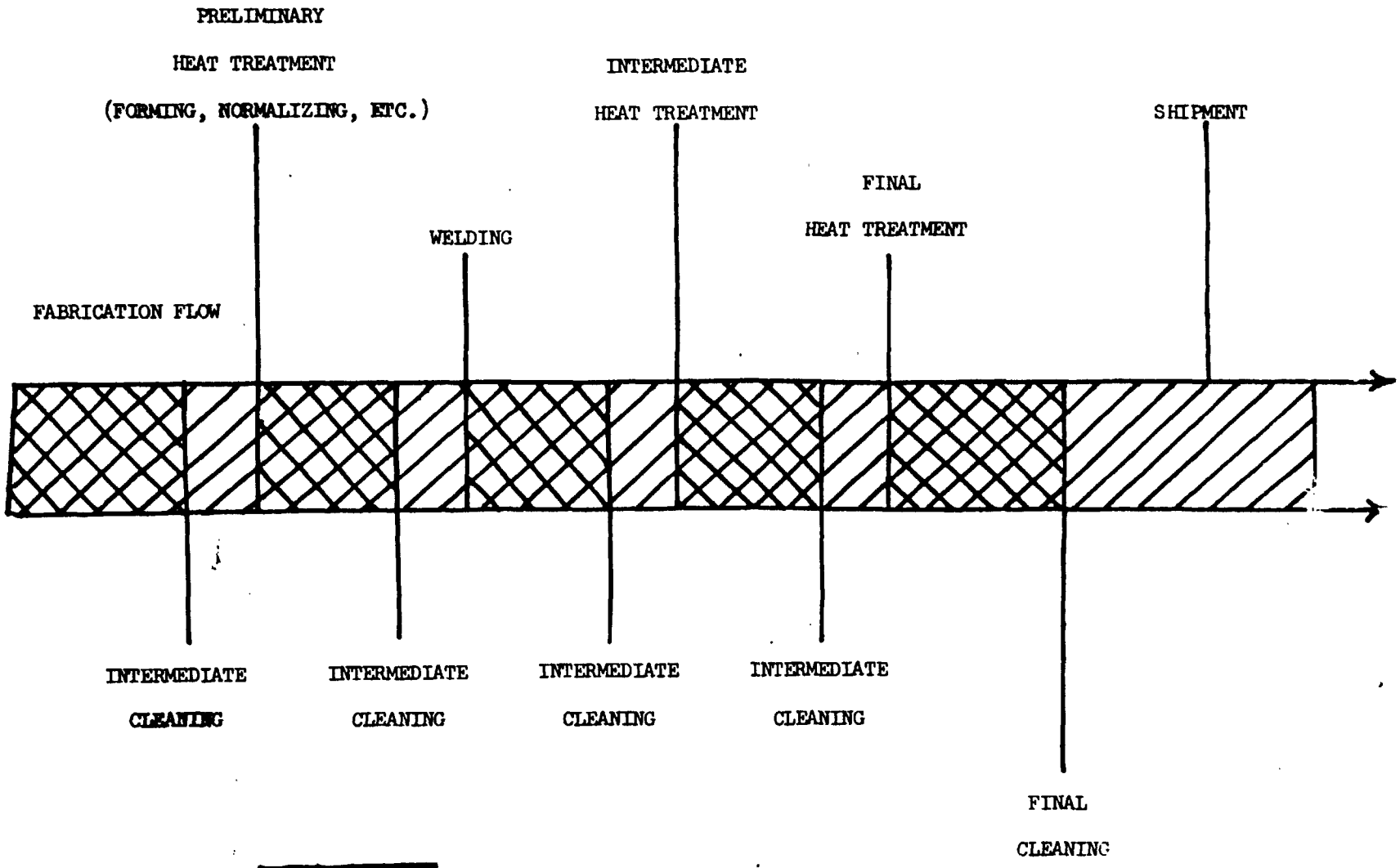

FIGURE #1

RED LIST

Categories of Consumable Materials

Category 1: Consumable materials for use at any stage of fabrication which require special chemical composition limits.

Category 2: Consumable materials required to be purchased to federal or military specification requirements.

Category 3: Consumable materials to be purchased to other special order requirements of Nuclear Equipment.

Category 4: Materials not requiring special quality-related purchase order requirements (due to type or manner of intended use).

R E D L I S T

Item	Product (Manufacturer)	Category	Specification	Folio
Asbestos				
Compressed	**Creanite (Nicolet Industries)**	1		541586
	Navy Style #2150 (John Manville)	1		
Mill Board	**Millboard (Nicolet Industries)**	1		512118
	Millboard #106 (John Manville)	1		
				512120
				512122
Cardboard				
Sheets	**(Packaging Corp. of America)**	1		
Cleaner				
Trisodium Phosphate	Trisodium Phosphate (Ashland Chemical)	2	O-S-642	
Cloth				
Asbestos	**(Raybestos-Manhattan Inc.)**	1		512079
Filter	***(Lamports Co.)**	1,2,3	**ASTM-D-1910-64 *** **12-1-MR-10**	
Patches, Linen	***3x5 (Lamports Co.)**	1,3	**12-1-MR-10 ***	
Wiping, Lint Free	***(Leshner Corp.)**	1,3	**12-1-MR-10 ***	

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Coating					
Anti Weld Spatter	Protect-O-Metal #2 (G.W. Smith & Sons)	3	12-1-MR-7		530001
	SC-1074-B-2 Base (Spraylat Corp.)	1,2	MIL-C-6799		450002
	SC-1090-1 Top (Spraylat Corp.)	1,2	MIL-C-6799		450003
	Krylon Spray Coating (Krylon Paint Co.)	1			
Dye					
Vegetable	Black Micro Supreme #104 (Michigan Chrome & Chem)	1			
	Blue Micro Supreme #134 (Michigan Chrome & Chem)	1			
	Purple Micro Supreme #142 (Michigan Chrome & Chem)	1			
Foil					
Aluminum	(Alcan Metallic Div.)				
Gas					
Argon	*(Airco Corp.)	3	12-1-MR-13	*	892940
Argon (75%)-Carbon Dioxide (25%)	*(UCC Linde Corp.)			*	(PO)550158
Carbon Dioxide	*(UCC Linde Corp.)	2	BB-C-101	*	
Helium (75%) Argon (25%)	*(UCC Linde Corp.)			*	(PO)505684
Nitrogen	*(UCC Linde Corp.)	2	BB-N-411	*	(PO)501973
Nitrogen (Liquid)	*(Bordette Akron Oxygen)	2	BB-N-411	*	
Gaskets					
Metal-Asbestos	(Ohio Gasket)	1,2	MIL-G-21032		
	(Flexatallic Gasket)	1,2	MIL-G-21032		

RED LIST

Insulation					
Blanket		Kaowool (Babcock & Wilcox)	1,2	MIL-I-24144	512001
Ink					
Stenciling (non-pourous)		(Sackman Stamp)	1,2	TT-I-558	
Stenciling (pourous)		(Sackman Stamp)	1,2	TT-I-559	
Labels					
Stickers		(Mid America Tag & Lable Co.)	1,3	12-1-MR-6	
Tags		(Mid America Tag & Lable Co.)	1		
Lubricant					
Hot Forming		Cerma-Guard #35 (A.O. Smith Corp.)	1		
		Hot Forming Agent #205 (E.F. Houghton)	1		
		Houghton Draw #1303 (E.F. Houghton)	1		
		Molykote Z (Dow Corning)	1,2	MIL-M-7866	
		*Neolube (Huron Industries)	1,2	MIL-L-24131	330047
		Red Lead & Graphite (Graphite Prod.)	2	MIL-L-24479	
		Silver Goop (Crawford Fitting Co.)			
	(CUO)	Molykote G Paste (Dow Corning)	1		
Tube Expand		*Lube-A-Tube KS (G. Whitfield Richards)	1		

R E D L I S T

Markers				
Felt tip	Black Venus-Esterbrook (Markall Corp.)	1,3	12-1-MR-8	891592
	Red Venus-Esterbrook (Markall Corp.)	1,3	12-1-MR-8	891593
Paint	Industrial Marker No Lead - White (J.P. Nissen)	1		
	Industrial Marker No Lead - Yellow (J.P. Nissen)	1		
Soapstone	Soapstone (Clark & Daniels)	1		891570
	Soapstone - Thin cut (George E. Mattos Co.)	1		
	Superior Tulc 5" x $\frac{1}{4}$" round (St. Louis Crayon & Handle)	1		
	Superior Tulc 5" x $\frac{1}{2}$" x 3/16" (St. Louis Crayon & Handle)	1		
Oil				
Preserving	P-2 (Ashland Petroleum) P-2 (Franklin Oil)	1,3	MIL-C-16173	
	P-3 (Ashland Petroleum) P-3 (Franklin Oil)	1,2	MIL-C-16173	
	P-19 (Ashland Petroleum) P-19 (Franklin Oil)	1,2	MIL-C-16173	
(CUO)	Elcma Oil (Humble Oil)	1		894370
Pads				
Kneeling (fiber)	24 x $\frac{1}{2}$ x 30 (Field Abrasive Mfg.)	1		893825
Paint				
Aluminite (CUO)	Aluminite (Special Products)			893870
Aluminum (HR)	Hi Heat Aluminum #C-90-S-C-18 (Sherman Williams)	2	TT-P-28	893896
Enamel (Grey)	Grey #719 (Akron Paint & Varnish Co.)	1		
Layout (White)	LR-6703 (Akron Paint & Varnish Co.)	1		
Stencils (Black)	(Randolph Products)	1	MIL-E-5557	

RED LIST

Stencils (Red)	#C-9208 (Randolph Products)	1		
Paper				
Oil	(Specialty Papers)	1		
Wrapping	Ocean Wrap (Marvellum Co.)	1		450257
Plastic				
Liquid	Dip Seal (Dip Seal Plastics)	1		
Rigid (sheet)	Lexan (General Electric)	1		
Polyethylene				
Bags (clear)	(Berman Bag Co.)	2	MIL-P-24466	
Protectors	(Unknown)	2	MIL-P-24466	
Sheeting (green)	(St. Louis Paper & Box)	2	MIL-P-24466	893968
Sleeves	(Unknown)	2	MIL-P-24466	
Refactory				
Moldabe	Chrome Ore (Babcock & Wilcox)	1		512078
Rust Inhibitor	Immunol #1392 (Harry Miller Corp.)	1		
Solvents				
Acetone	*(Ashland Chemical)	2	O-A-51	* (PO)502049
Alcohol (Ethyl)	*(Ashland Chemical)	2	O-E-760	*
Alcohol (Isopropyl)	*(Ashland Chemical)	2	TT-I-735	*

Cleaning	AL-3039 (Solventol Corp.)	1			
Cleaning	Stoddard (Standard Oil)	1			
Trichloroethane	(Dow Chemical)	2	MIL-T-81533		891082
	(PPG)	2	MIL-T-81533		
Trichloroethylene	(Dow Chemical)	2	O-T-634	(PO)	502098
	(PPG)	2	O-T-634		
Trichlorotrifluoroethane	* Freon PCA (type 1) (Dow Chemical)	2	MIL-C-81302		
	* Freon PCA (Type 1) (PPG)	2	MIL-C-81302		

Tape

Aluminum	#425 (Scotch)				
"Green"	Mystic (Bordon)	1			894645
"White" Glass Cloth		1			530375
(CUO)	#480 (3M)	1			
(CUO)	#850 (3M)	1			
(CUO)	#898 Hi Star (3M)	1			
(CUO)	Trantex #E-10 (John Manville)	1			
(CUO)	Trantex #E-12 (John Manville)	1			
(CUO)	Polyken #22 (Kendall Co.)	1			

Temp Crayon

150°F	Tempilstick (Tempil Corp.)	1			890001
200°F	Tempilstick (Tempil Corp.)	1			890002

R E D L I S T

250°F	Tempilstick (Tempil Corp.)	125	1	463 475	890003
300°F	Tempilstick (Tempil Corp.)	131 144	1	765 850	890004
350°F	Tempilstick (Tempil Corp.)	156 163	1	932 977	890005
400°F	Tempilstick (Tempil Corp.)	169 175	1	1022	890006
450°F	Tempilstick (Tempil Corp.)	182 188	1		890007
500°F	Tempilstick (Tempil Corp.)	194	1		890008
625°F		206	1		890035
750°F	Tempilstick (Tempil Corp.)	213 219	1		8900:
900°F	Tempilstick (Tempil Corp.)	225 231	1		890010
950°F	Tempilstick (Tempil Corp.)	238 244	1		890011
1000°F	Tempilstick (Tempil Corp.)	256 263	1		890012
1050°F	Tempilstick (Tempil Corp.)	269 275	1		890013
1100°F	Tempilstick (Tempil Corp.)	282 294	1		890014
1150°F	Tempilstick (Tempil Corp.)	306 319	1		890015
1200°F	Tempilstick (Tempil Corp.)	325 331	1		890016
1250°F	Tempilstick (Tempil Corp.)	338 344	1		8900·
1300°F	Tempilstick (Tempil Corp.)	363 375	1		890018
1350°F	Tempilstick (Tempil Corp.)	388 413	1		890019
1400°F	Tempilstick (Tempil Corp.)	425 438	1		890020

Water			
Deionized	*Grade B (Babcock & Wilcox)	2	MIL-STD-767

Wire		
Thermocouple	Chromel Alumel (Haskins Mfg. Co.)	1

B L U E L I S T

The following listed consumable materials are approved for use prior to intermediate cleaning in preparation for hot forming, heat treatment, welding, or other operations raising surface temperature over 600°F, and also prior to final cleaning. (See Figure I attached)

All restrictions specified in Sections 9 and 10 of 12-1-QP-4 also apply.

Note to Requisitioners and Purchasing

Tape C-5 (Certificate of Conformance) shall be required for all consumable materials purchased to categories 1, 2, and 3. (See 12-1-QP-5)

B L U E L I S T

Categories of Consumable Materials

Category 1: Consumable materials for use at any stage of fabrication which require special chemical composition limits.

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BLUE LIST

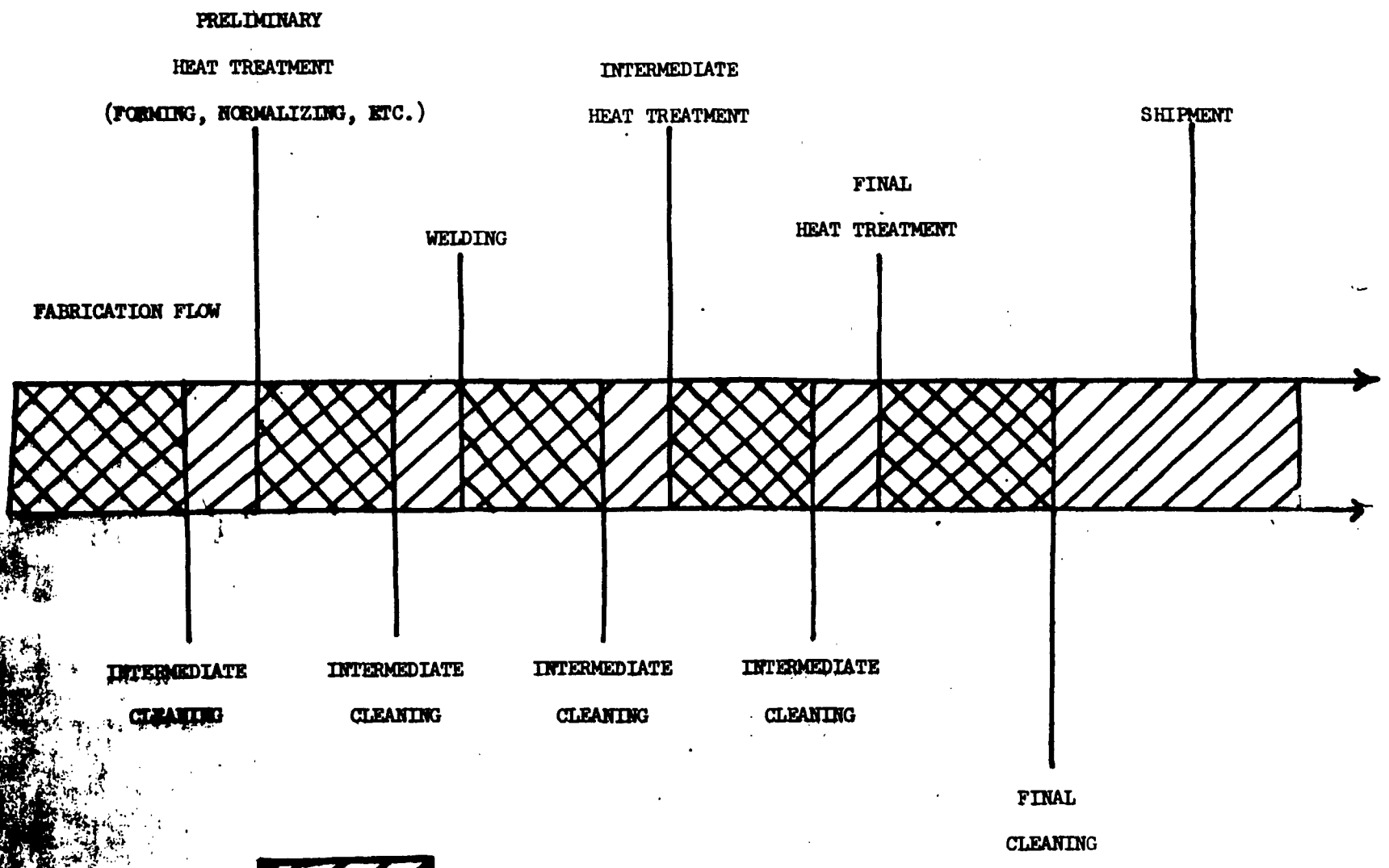

FIGURE #1

BLUE LIST

Item	Product (Manufacturer)	Category	Specification	Folio
Cementing Material	Bondrite (Stanley Corp.)	4		
Cementing Material	Temperseal #168 (Corundite Refractories)	4		
Chalk				
Blue	#777 Blue Carpenters (Dixon Corp)	4		891005
White	White (Crayola)	4		
Yellow	Yellow Dustless (Binney & Smith)	4		
Cloth				
Burlap	Burlap (Ohio Valley Bag & Burlap)	4		
Disinfectant				
Cutting Oil	Cincool "OO" Wafers (Cincinnati Milicron)	4		
	Triple C (Pro - Chem)	4		
Layout	#603 (Michigan Chrome)	4		
Blue Layout	Prussian Blue (Prussian Co.)	4		

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B L U E L I S T

Gasket Material			
Liquid	Permatex #2 Form-A-Gasket (Permatex Corp)	4	330142
Putty	Duk Seal (Continental Products Co.)	4	
Asbestos	#900 Sheet (Garlock Co.)	4	
Liquid Penetrant Materials			
Lubricants, Gen			
Graphite	Acheson, Water Soluble (Acheson Manufacturing Co.)	4	
Vegetable Compound	Crisco (General Foods)	4	
Lubricant, Grease			
Cup Grease	Cup Grease #2 (Texaco)	4	892990
Petroleum Jelly	Vasoline (Chesebrough Ponds, Inc.)	4	
Lubricant, Thread			
Neversieze	Neversieze (Neversieze Corp.)	4	
Lubricant, Tube Expand			
Tube Expanding	Semi Fluid Vastolein TD (G.Whitfield Richards Co.)	4	
Reagents			
Sulfate	(Chemtron Corp)	4	
Chloride	(Dow Chemical)	4	
	(Dow Chemical)	4	
Magnetic Particle Materials			

BLUE LIST

Lubricant, Tapping			
Tapping Compound	Anchorllibe G-771 (Anchor Chem)	4	
Oil			
Penetrating	3 in 1 oil (Bolye - Midway, Inc.)	4	
Air motor lub	Marvel Mystery (Marvel Oil Co.)	1	
Lubricating	#849 Non Fluid (Bradly Ind.)	4	
	Non Fluid Fitting (Bradly Ind.)	4	
Cutting	Cimplus X 21D (Cincinnati Milicron)	4	
	Trimsol (Master Chemical Corp)	4	959999
Paint			
Red	Glyptol Enamel #1201 (General Electric Co.)	4	
White Layout	A86 W 7 (Sherman Williams)	4	893900
Pencile			
Red	#349 (Dixon, Joseph, Crucible)	4	
Preservatives			
Rust Preventative	Anarust B (Torco Products)	4	
Rust Prevsntative	Anti Rust (Torco Products)	4	
Rust Preventative	Rust Veto (E.F. Houghton)	4	
Sand, Silica Blasting			
G-40	#207 (Best Sand Co.)	4	

BLUE LIST

Shot, Steel Blasting	#507 (Alloy Metal Abrasive)	2	MIL-S-851 Class 2 SAE-280	894530
Solvents				
Cleaning	Methyl Alcohol (Ashland Chemical)	2		
Cleaning	Super Sheen #570-S (Allied Chemical)	4		
Cleaning	Ammonia (Ashland Chemical)	4		
Cleaning	Chlorosalve (Franklin Oil)	4		
Cleaning	Dasco Kleen (D.A. Stuart Oil)	4		
Cleaning	Hydrazine (Kent Cambridge Corp.)	4		
Cleaning	Mineral Spirits (Ashland Chemical)	4		895280
Cleaning	Naptha (Standard Oil)	4		
Cleaning	Ridoxine (Amechem Products)	4		
[illegible]				
Black Friction	(Dayco Rubber Products)	4		
Orange	AF50 (Dayco Rubber Products)	4		524371
[illegible] Compounds				
[illegible]	Cimcool (Cincinnati Milacron)	4		
[illegible]	Cimtape (Cincinnati Milacron)	4		
[illegible]	Franklin (Franklin Oil Co.)	4		
[illegible]	Habcool #318 (H&B Petroleum)	4		
[illegible]	Hubers #344 (Becton -Dickson & Co.)	4		

Liquid	Peerless #1735 (Franklin Oil Co.)	4	
Liquid	Peerless #6234 (Franklin Oil Co.)	4	
Liquid	Tapeze X-2 (Metalloid Corp.)	4	
Liquid	Tap Magic (Steco Corp.)	4	

Liquid Penetrant Materials

Penetrant	SKL-HF Formula A (Magnaflux)	2	MIL-I-25135
	Dy Check-Penetrant (Turco)	2	MIL-I-25135
Developer	SKD-S (Magnaflux)	2	MIL-I-25135
	SKD-NF (Magnaflux)	2	MIL-I-25135
	Dy Check-Developer (Turco)	2	MIL-I-25135
Cleaner	SKC-S (Magnaflux)	2	MIL-I-25135
	SKC-NF (Magnaflux)	2	MIL-I-25135
	Dy Check-Remover/Emulsifier (Turco)	2	MIL-I-25135

[illegible] Particle Materials

(Magnaflux)

[illegible] Test Materials

Grade #712-2 (Hamikleer)

[illegible]	Kerr Citricon (Litton Ind.)	4
	Kerr Perfection Impression (Litton Ind.)	4

THE BABCOCK & WILCOX COMPANY
POWER GENERATION GROUP

To

DISTRIBUTION - NEQA #7

From

PROCEDURES & PROPOSALS GROUP
D. W. JACOBS - N.E. QUALITY ASSURANCE PRODUCT QUALITY (2807)

BDS 663-5

Cust.

File No. or Ref.

Subj.

RED AND BLUE LISTS

Date

DECEMBER 26, 1974

This letter to cover one customer and one subject only.

Attached is Revision #10 of the Red and Blue Lists.

The new "Item" column is intended to be a generic type of categoriation. The "Product (Manufacturer)" column should list Brand Names or Trade Names followed by the Manufacturer of that product.

Please feel free to forward any comments you may have to the writer.

Specifically:

1. Should any "items" be added, deleted, changed.

2. Are the "Products" listed with the correct "item". If you feel that a product should be listed under more than one "item", please advise.

3. Any additional comments you feel will make the lists more meaningful or easier to use will be appreciated.

Please forward your comments to the writer by March 6, 1975, if possible, so that they may be incorporated into the next revision of the Red and Blue Lists.

D. W. JACOBS

DWJ/kjp

000159