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# **Polychlorinated Biphenyl Inspection Manual**

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Office of Compliance  
Office of Enforcement and Compliance Assurance  
U.S. Environmental Protection Agency  
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<http://www.epa.gov/compliance/resources/publications/monitoring/manuals.html>

# Appendix H

## Submersible Pump Units that Contain PCBs\*

The following pump units, which are identified by manufacturer's model and serial number, are potential sources of PCB contamination in well water.

**Dempster Industries:** Prior to 1964, Dempster may have distributed pump units manufactured by REDA and Sta-Rite that may have contained PCBs. Use the REDA and Sta-Rite identification data for those pump units.

**F.E. Myers:** Models SF and SF-2, two wire units manufactured from 1964 through 1970 in 1/3 to 1 horsepower and models SG and S2G, two wire units manufactured from 1970 through 1976 in 1/3 to 1 horsepower with date codes prior to 1976 are included. Some S2X models manufactured before 1979 utilized capacitors that contained less than 50 parts per million of PCBs. The date code is located on the motor casing and on a nameplate or tag in the format MMY, e.g., 1177 signifies November 1977.

**Fairbanks Morse:** Two wire units manufactured from 1964 through January, 1979 have a coded alpha numeric date code on the nameplate. These include the Colonial series and the Chateau series units with date codes of J\_, K\_, L\_, M\_, N\_, P\_, R\_, S\_, T\_, V\_, W\_, X\_, A\_, B\_, C\_, and DA. The blanks are filled with additional characters.

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\* Modified from Appendix I: Submersible Pump Units that are Known to Contain PCBs of "The Potential for Drinking Water from Submersible Well Pumps," Wisconsin Department of Natural Resources, Bureau of Water Supply, PUBL-WS-025-92.

SERIES	MODEL NUMBERS				
Colonial	A2-2507	C2-3306	E2-7509	G2-1009	
	A2-3309	C2-7511	E2-10011		
	A2-5012				
Chateau	A2S-3309	C2S-3306	E2S-7509	G2S-1009	273
	A2S-5012	C2S-5008	E2S-10011	G2S-15012	275
	A2S-7517	C2S-7511	E2S-15015		277
	A2S-10021	C2S-10014			

**Johnston Water Systems:** Peabody Barnes manufactured these pumps. Models include:

V507-31	V513-52	V909-51	VSP913-75	V317-150
V507-32	V523-100	V909-52	VSP909-52	V1306-51
V509-31	V531-100	V913-75	VSP909-51	V1307-52
V509-32	V906-31	V917-100	V1309-75	V1809-100
V513-51	V906-32	V923-150	V313-100	V1813-150

**Montgomery Ward:** Peabody Barnes manufactured these pumps. Models include:

3677A	3679A	3681C	3682E	3684D	24623
3677B	3679B	3681D	3683C	3675A	24625
3678A	3680C	3682C	3683D	3675B	
3678B	3680D	3682D	3684C	3675C	

**Peabody Barnes:** Two wire units are identified with the letter "W" as part of the model number, e.g., 409W52. In 1977, an "N" was added to the model number, e.g., 409W52 became 409WN52. The date codes are the last 3 or 4 digits of the coding, showing month, then year of manufacture, e.g., 409WN52-67753-1279 signifies a two wire unit manufactured in December 1979. Codes are on a stainless steel band located around the discharge neck of the pump.

**REDA:** Two wire units have a date code on the nameplate with the format MMY, e.g., 0877 signifies August 1977. All models listed below with a year code of 79 or less are included. All motors had the serial number stamped on the head of the motor preceded by the four digit date code.

41100	42121	43091	7D9P030	4D35P101	14D18P151	312X7P050
41101	42131	43171	7D9P031	6D35P151	17D5P071	314X4P050
41120	42171	43181	9D5P031	7D18P071	17D9P101	320X4P050
42070	42181	43121	9D6P030	10D18P101	23D5P101	32D5P151
42090	42251	43131	9D9P050	12D5P050	23D9P151	
42091		44091	9D9P051	12D5P051		
		44251		12D9P071		

**Red Jacket:** The capacitor is encapsulated in a plastic housing and the unit is fastened to the bottom of the motor. Although these units are less likely to leak PCBs, there are confirmed cases of PCB contamination from Red Jacket pump motors. Motor Models include two wire units with the designations “BV”, “BVC”, “C”, “W”, and “RW”, 1/3 through 1-1/2 horsepower. The model designation appears as the first part of the identification number, e.g., BV 300-2 or 50W0-9BC.

The date of manufacturer is on the motor housing and on the pump. Codes include:

1968	MC_ and NC_	1973	AH_ through NH_	__ _78
1969	AD_ through ND_	1974	AK_ through NK_	e.g. 20378 signifies the 2 <sup>nd</sup> week of March 1978
1970	AE_ through NE_	1975	AL_ through NL_	
1971	AF_ through NF_	1976	AM_ through NM_	
1972	AG_ through NG_	1977	AN_ through NN_	
				e.g. 3FHR signifies the 3 <sup>rd</sup> week of June, 1973

**STA-RITE:** Two wire units have a date code on the nameplate with the format MYY. The month is coded as a letter from “A” to “M” and the year as a number, e.g., B77 signifies February 1977. Units dated 1979 or earlier are included.

**NOTE:** Some three wire motors with Sta-Rite labels have been verified containing PCB.

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