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IEEE Guide for Handling and Disposal of Transformer Grade Insulating Liquids Containing PCBs

Sponsor
**Transformers Committee
of the
IEEE Power Engineering Society**

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Foreword

(This Foreword is not a part of ANSI/IEEE Std 799-1987, IEEE Guide for Handling and Disposal of Transformer Grade Insulating Liquids Containing PCBs.)

This guide was prepared by the Subcommittee on Insulating Fluids of the Transformers Committee of the IEEE Power Engineering Society. The purpose of the guide is to bring to the attention of anyone handling askarels or mineral oils containing PCBs the sensitivity of these materials and to advise them of procedures for handling and analyzing them.

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IEEE Guide for Handling and Disposal of Transformer Grade Insulating Liquids Containing PCBs

1. Introduction

This guide applies only to the United States and its territories. Beginning in 1979, the US Environmental Protection Agency issued the “Final Rule” (CFR, Title 40, Part 761 [7]¹). This rule implements the provisions of the Toxic Substance Control Act (TSCA) ban on polychlorinated biphenyls (PCBs).

Electrical equipment manufacturers, owners, operators, and maintenance personnel who utilize PCBs or conduct maintenance or manufacturing operations through which PCBs can be encountered are subject to the new regulations. There are requirements for identification, labeling, and servicing equipment, and handling and disposal of equipment and materials. There are also requirements for handling spills and leaks and for keeping comprehensive records.

The specific purpose of this guide is to cover in detail the procedures for handling askarels and mineral insulating oil that contain PCBs, and to describe the analytical procedures for measuring them.

It is not the intent of this guide to contravene in any way any elements of CFR, Title 40, Part 761 [7] or any state or local regulations.

2. Scope

The scope of this guide is to describe the requirements for handling and disposal of the transformer grade insulating liquids containing PCBs; the definition of PCB levels in electrical insulating liquids; the analytical method of detection and measurement of the PCBs in electrical insulating liquids; and regulations covering the identification and the disposal of electrical insulating liquids containing PCBs.

¹The numbers in brackets correspond to those reference listed in Section 4.