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06 December 2006

Anne-Marie Sahazizian
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Toronto, Ontario M5G 2P5
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Re: P980 - Guide for Containment and Control of Oil Spills in Substations

Dear Anne-Marie:

I am pleased to inform you that on 06 December 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/980.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 06 March 2007.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
Phone +1 732 562 6003
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CC: HannaEssa.Abdallah@aps.com, stds-pes-scc@ieee.org, david.harris@waukeshaelectric.spx.com

PAR Request Date: 06 October 2006**PAR Approval Date:** 06 December 2006**PAR Signature Page on File:** Yes**Type of PAR:** Revision to IEEE Standard**Status:** Revision to an Existing IEEE Std 980-1994**Root Project:****1.1 Project No.:** **P980****1.2 Type of Document:** Guide**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Guide for Containment and Control of Oil Spills in Substations

2.1 Amendment/Corrigenda Title**3.1 Working Group Name**[G2 Oil Containment](#)**Working Group Chair**[Harris, David L](#)

Phone: 414-547-0121

Email: david.harris@waukeshaelectric.spx.com

Working Group Vice Chair**3.2 Sponsor**[IEEE Power Engineering Society Substations \(PE/SUB\)](#)**Sponsor Chair**[Abdallah, Hanna E](#)

Phone: 602-371-6524

Email: HannaEssa.Abdallah@aps.com

Name of Standards Liaison Representative (if applicable)[Sahazizian, Anne-Marie](#)

Phone: 416-345-6657

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3.3 Joint Sponsor**4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** October 2008**4.3 Projected Completion Date for Submittal to RevCom:** October 2009**5.1 Approximate number of people expected to work on this project:** 12

5.2 Scope: This guide discusses the significance of oil spillage regulations and their applicability to electric supply substations; identifies the sources of oil spills; discusses typical designs and methods for dealing with oil containment and control of oil spills and provides guidelines for preparation of a typical Spill Prevention Control and Countermeasure (SPCC) plan. This guide applies only to insulating oil containing less than 50 ppm of PCBs, which is considered to be non-PCB oil. This guide excludes polychlorinated biphenyl (PCB) handling and disposal considerations. It is not the intent of this guide to interpret the applicability of governmental regulations or the oil containment systems presented. Such interpretation is left to each individual user. The guide is intended to identify concerns, offer solutions and let users make their own evaluations.

Old Scope: This guide discusses the significance of oil-spillage regulations and their applicability to electric supply substations; identifies the sources of oil spills; discusses typical designs and methods for dealing with oil containment and control of oil spills; and provides guidelines for preparation of a typical Spill Prevention Control and Countermeasure (SPCC) plan. This guide excludes polychlorinated biphenyl (PCB) handling and disposal considerations. It is not the intent of this guide to interpret the applicability of the governmental regulations or the oil-containment systems presented. Such interpretation is left to each individual user. The guide is intended to identify concerns, offer solutions, and let users make their own evaluations. This guide applies only to insulating oil containing less than 50 ppm of PCB, which is considered to be non-PCB oil. Non-PCB oils have a PCB content that has been designated by the U.S. Environmental Protection Agency (EPA) as nonhazardous to the public, and they are not deemed to be toxic substances. While the effectiveness of the containment methods described in this guide is generally not affected by the PCB content of the oil, the regulations governing cleanup and handling of oil spills containing PCB are much more restrictive.

5.3 Is the completion of this document contingent upon the completion of another document? No

5.4 Purpose: Containment and control of oil spills at electric supply substations is a concern for most electric utilities. The environmental impact of oil spills and their cleanup is governed by several federal, state and local regulations necessitating increased attention on substations to the need for secondary oil containment and a SPCC plan. Beyond the threat to the environment, cleanup costs associated with oil spills continue to escalate and the adverse community response to any spill is becoming increasingly unacceptable. This guide identifies the applicable governmental regulations, the sources of oil spills and the typical methods used to contain and control them. It discusses the need for a SPCC plan and provides the typical plan requirements.

Old Purpose: Containment and control of oil spills at electric supply substations is a concern for most electric utilities. The environmental impact of oil spills and their cleanup is governed by several federal, state, and local regulations, necessitating increased attention in substations to the need for secondary oil containment, and an SPCC plan. Beyond the threat to the environment, cleanup costs associated with oil spills continue to escalate, and the adverse community response to any spill is becoming increasingly unacceptable. This guide identifies the applicable governmental regulations, the sources of oil spills, and the typical methods used to contain and control them. It discusses the need for an SPCC plan and provides the typical plan requirements. It documents survey-reported considerations for oil-spill containment, control, and cleanup; the methods used; and their effectiveness. In June 1992 an IEEE questionnaire was sent to 190 utilities in the U.S. and Canada, surveying their experiences. Of these utilities, 59 responded. Where relevant, the survey results are referenced in the body of this guide.

5.5 Need for the Project: The standard published in 1994 was reaffirmed in 2001. this revision is required to update the standard with the latest technological developments in the area of containment and control of oil spills in substations

5.6 Stakeholders for the Standard: Stakeholders are : engineering companies, utilities, manufacturers, asset managers, environmental agencies

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes **Presented Date:** 2006-04-12

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No

If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? Do not know at this time

Technical Committee Name and Number:

Contact person:

Contact person Phone Number:

Contact person Email Address:

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? Yes

The project will provide guidelines for insulating oil containment to minimize impact of substations on environment

7.4 Additional Explanatory Notes:

Non-PCB oils have a PCB content that has been designated by the U.S. Environmental Protection Agency (EPA) as non-hazardous to the public and they are deemed to be non-toxic substances. While the effectiveness of the containment methods described in this guide is generally not affected by the PCB content of the oil, the regulations governing cleanup and handling of oil spills containing PCBs are much more restrictive. This further explains exclusion of PCB from this guide in Scope, Item 5.2

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: