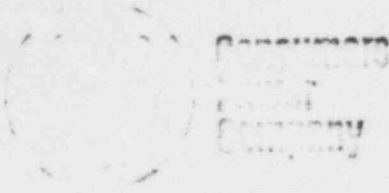


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Pusc 30-79

Dr S Levine, Director
Office of Nuclear Research
Nuclear Regulatory Commission
Washington, DC 20555

Dr H Denton, Director
Office of Nuclear Reactor Regulation
Nuclear Regulatory Commission
Washington, DC 20555

Gentlemen:

At a recent meeting of ASTM Committee D33, we learned of the interest of the Nuclear Regulatory Commission in protective coating systems used in nuclear plants as potential sources of hydrogen under DBA environmental conditions. ASTM Committee D33, whose membership is comprised of professionally qualified utility, architect-engineer, coating (paint) system manufacturer and applicator representatives, is now developing standards for protective coating systems for nuclear power generation plants. These standards are to replace existing ANSI standards. The committee is encouraged by the recognition of the NRC of protective coatings as important features of nuclear power generation facilities.

The membership of the committee endorses nuclear power generation. That membership also assumes the commitment to ensure the health and safety of the public related to protective coating systems.

It is the consensus of the ASTM Committee D33 membership that the committee interface with the NRC in its assessment of coating systems and willingly offers its assistance.

ASTM Committee D33, by this letter, formally submits the offer to identify those generic protective coating systems which its membership has supplied to the nuclear power plant generation industry and which it feels should be tested (see attached list).

Further, the committee formally submits the offer to provide the NRC steel and concrete test specimens coated with the above coating systems. These test specimens will be prepared by the committee membership in accordance with practices now accepted by the nuclear power generation industry.

Please advise ASTM Committee D33, via the undersigned, of the number of steel and concrete test specimens which the NRC will require for its assessment and the dates by which these specimens must be available to the NRC.

Very truly yours,

Mendel A Puschel
Mendel A Puschel, Chairman
ASTM D33.02 Subcommittee

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GENERIC COATING SYSTEMS PRESENTLY USED IN NUCLEAR FACILITIES

Steel

System 1	Prime - Ethyl Silicate Inorganic Zinc Finish - None
System 2	Prime - Ethyl Silicate Inorganic Zinc Finish - Epoxy Polyamide
System 3	Prime - Ethyl Silicate Inorganic Zinc Finish - Epoxy Phenolic
System 4	Prime - Single Package Inorganic Zinc Finish - None
System 5	Prime - Epoxy Polyamide Finish - Epoxy Polyamide
System 6	Prime - Epoxy Phenolic Finish - Epoxy Phenolic

GENERIC COATING SYSTEMS PRESENTLY USED IN NUCLEAR FACILITIES

Concrete

- System 1 Surfacer - Regular Build Epoxy Polyamide (Solvent)
 Finish - Epoxy Polyamide (Solvent)
- System 2 Surfacer - High Build Epoxy Polyamide (Solvent)
 Finish - Epoxy Polyamide (Solvent)
- System 3 Surfacer - High Build (Three Pack) Epoxy Polyamide (Solvent)
 Finish - Epoxy Polyamide (Solvent)
- System 4 Surfacer - Regular Build Epoxy Phenolic (Solvent)
 Finish - Epoxy Phenolic (Solvent)
- System 5 Surfacer - Regular Build Epoxy Polyamide (Water Based)
 Finish - Epoxy Polyamide (Water Based)