



## ***USE GUIDELINES FOR THE PCC *Enhanced Resin* PIG CATCHER***

The **PCC Pig Catcher** as described herein, including the polyethylene resins and the materials and methods of construction, bonding and grounding, are sufficient to meet the standards of **NFPA 70, NFPA 77, and API 2003** for the control of static electricity for purposes of prevention of fires and explosions when the **PCC Pig Catcher** is used as directed.

The **PCC Pig Catcher** is suitable for capture of the following materials encountered during the process of pigging certain pipelines:

- A. Combinations of natural gas hydrates and pipe sludge from natural gas gathering and transmission pipelines carrying previously unprocessed (raw) natural gas from the wellhead or from storage;
- B. Crude oil and crude oil sludges from gathering and transmission lines carrying previously unprocessed crude oils from the wellhead or from storage.

**CAUTION:** We do not recommend using the PCC Pig Catcher to capture natural gas condensate, refined or partially refined hydrocarbon liquids, or any other liquids with a conductivity less than 50 pS/m (“low conductivity liquids”) because the limited conductivity of such liquids may pose an unreasonable risk of fire or explosion. Such low conductivity liquids, absent conductive components such as those present in A and B above, will not dissipate static charge built up on the liquids. Please contact your company safety officer for instructions on how to safely handle such materials and any additional precautions that should be employed to reduce the risk of fire or explosion.

The body and lid of the **PCC Pig Catcher** are comprised of a Medium Density Polyethylene Resin. **The resin is classified, per NFPA 77, as a semiconducting (anti-static) material; the resin is not considered a static accumulator.**

The **PCC Pig Catcher** includes a pre-installed grounding kit. Please thoroughly review and follow the **PCC Pig Catcher Grounding Kit Installation** instructions, as the grounding kit must be properly connected to an approved external grounding source at all times while the **PCC Pig Catcher** is in use. Also, all grounding connections should be checked for tightness and corrosion before each use.

During the period in which materials are flowing into or are contained in the **PCC Pig Catcher**, and continuing through removal of all collected materials from the device, all **PCC Pig Catcher** metal parts must also be bonded to the pipeline or receiver.



You must always **wait for a minimum of 30 seconds** after flow from a pipeline into the **PCC Pig Catcher** has **completely** stopped prior to disturbing or pumping the collected materials to allow sufficient time for dissipation of any accumulated static (aka relaxation time).

Removal of material from the **PCC Pig Catcher** by vacuum truck operations should follow API 2219, particularly with regard to bonding and grounding.

Further information regarding the control of static electricity and bonding and grounding can be found in NFPA 77, NFPA 70, and API 2003.

Prior to use, the area of use of the **PCC Pig Catcher** should be thoroughly evaluated for any open flames, hot gasses or surfaces, mechanically generated sparks, exposed electrical equipment, stray currents, cathodic protection devices, embers, lightening, running engines and other potential ignition sources. Smoking and vaping in the vicinity are strictly prohibited. Use only explosion proof electrical-equipment and non-sparking tools in the vicinity. Consult your Company's Hazard Communication Program Guide for appropriate personal protective equipment.

Prior to use, consult your Company's safety officer if there are any questions or concerns regarding the safe use of the **PCC Pig Catcher**. The fact that the PCC Pig Catcher is constructed to meet the above referenced standards is not a guarantee of safety; the PCC Pig Catcher must be effectively integrated by the user into the electrical safety systems of the pipeline, storage containers, equipment and liquids removal system with which it is used.