



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
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ARLINGTON VA 22242-5160

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MAIL ROOM

From: Commander, Naval Sea Systems Command
To: Warren Pumps Inc
82 Bridges Avenue
Warren, MA 01083-0969

Subj: SIMSITE MATERIAL GRADE 302 AND 375 FOR NAVY CENTRIFUGAL PUMP APPLICATIONS

- ref. (a) NAVSEA Standard Drawing 803-7226047
(b) Warren Test Procedure and Material Qualification Plan dated 13 Jan 94
(c) SIMSITE Test Results - Warren letter dtd 1 March 96

1. The purpose of this letter is to grant Warren Pumps Inc. approval to distribute SIMSITE products to the U.S. Navy and to accept qualification test results for SIMSITE material grade 302 and 375 for U.S. Navy centrifugal pump applications for selected applications.
2. Reference (a) is the NAVSEA document that establishes toxicological material requirements, material strength characteristics requirements, and performance requirements. Warren Pumps Inc. has tested SIMSITE 302 and 375 in accordance with reference (b) and results are shown in reference (c). SIMSITE 302 and 375 have met or exceeded all requirements defined in reference (a) and is deemed acceptable for U.S. Navy centrifugal pump applications on surface ships for selected applications only. A list of the authorized and prohibited services for using composite (non-metallic) material is listed in paragraphs 1.3 through 1.3.2 of reference (a).
3. The use of composite material is authorized for the manufacture of impellers, impeller wearing rings, casing wearing rings, lantern rings, box bushings, and throat bushings for those National Stock numbered parts listed in reference (a) only. Additional parts may be considered with prior NAVSEA approval. This list will be forwarded to Navy supply system agencies involved in the procurement of pumps and pump parts for all future acquisitions.
4. Composite (non-metallic) pumps parts is strictly prohibited from any application involving the nuclear propulsion system and/or its auxiliary systems and from any submarine system without NAVSEA approval.
5. Should you have any questions on the applicability, use, implementation or technical details of the U.S. Navy composite pump components replacement program, you should contact Tom Perry at NSWC CD Philadelphia directly at (215) 897-7865. Mr. Perry has assumed full technical responsibility of this program and is the technical point of contact.


J. GUTIERREZ
by direction