the big blast was only the first problem

During the May 18, 1980 eruption, the 2500 acre, 250-foot deep Spirit Lake on Mt. St. Helen's north slope was sealed from normal drainage by volcanic debris. The rain and snow fed lake has risen ever since and has now reached a critical level. If lake waters were to top and breach the debris dam, an avalanche of millions of yards of mud and water would flood the Toutle and Cowlitz River valleys below.

To eliminate this threat, the U.S. Army Corps of Engineers instituted a crash program aimed at reducing Spirit Lake to a safe level.

37 days after the contract was awarded, 20 Cornell 10YB centrifugal pumps were in place and operating, effectively lowering the level of the lake.

The choice of Cornell was based on a number of factors—efficiency and fuel savings, low maintenance and immediate availability of pumps and parts—qualities that make Cornell pumps attractive for many applications.

Cornell Model 10YB-64B4 — SAE 3 double volute pump for Spirit Lake Project, rated at 5000 GPM @ 85 feet head @ 2100 RPM. Pump hydraulic efficiency = 84% at design point.

Please contact Cornell for information about the Model 10YB and other quality engine and electric driven pumps.

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