## **APE Quick Guide to Checking Hoses**

"A good used seasoned hose is a tested hose."

Although the examples that follow may not cover every aspect of hoses on a APE Vibro, it is a simple guide to ensure hose quality for normal piledriving operations.

When visually inspecting hoses the following examples are wear and tear items to look for.

Keeping the hoses from snags and drags across the deck is an important part of ensuring that the hoses will stay in good working order. Although the outer rubber is scaved off of the below hose, this hose is still in good working order. Note that there are no broken wires, or õwhiskersö that indicate a potential failure.



## Another example of a serviceable hose. This hose is still in good working order.



Below examples shows õBADö hoses and should be replaced as soon as possible. These are õHigh Riskö hoses and should not be used.



A kink in the hose is a bad hose. Kinks should not be ignored because under outer rubber coating the wire braids may be compromised.



The hose below on the left shows no broken wires or whiskers, but with the deep rust content showing could be a sign of future failure. This hose, although still serviceable, should be changed as soon as possible.

The hose on the right, marked with green paint, has a few broken whiskers but is still servable and can be used to finish out the shift. This hose should be changed between shifts. Note that these high pressure hoses are a six braid hose with a working pressure of 5,000 psi and a 4 to 1 safety factor, or a 20,000 psi burst rating. APE vibro working loads are 4,800 psi max.



## Multiple broken braids in the hose, like the one below, should be changed immediately.



## Stay away from knots that could damage hoses due to kinks.



If you have any questions concerning the information provided herein please do not hesitate to contact Steve Cress of APE @ 206-743-2846.

