



## **Event LNAPL Recovery Application Note #12**

Xitech has developed in-well level switch technology that will turn off our LNAPL skimmer when there is a high water event. High water events can occur from heavy rains or fast snow melts which would cause river or groundwater levels to raise and stay high for days. Our Event LNAPL recovery system will automatically turn off the skimmer during a high water level event and then turn the skimmer back on when the water level returns to normal. This technology prevents the skimmer(s) from recovering water during a high water event.

You may use any of our 22 skimmer controllers for LNAPL event recovery. Xitech is always looking for ways to increase Free Product Recovery or decrease water recovery with our skimmer technology.

Here is how our Event LNAPL Recovery system works.

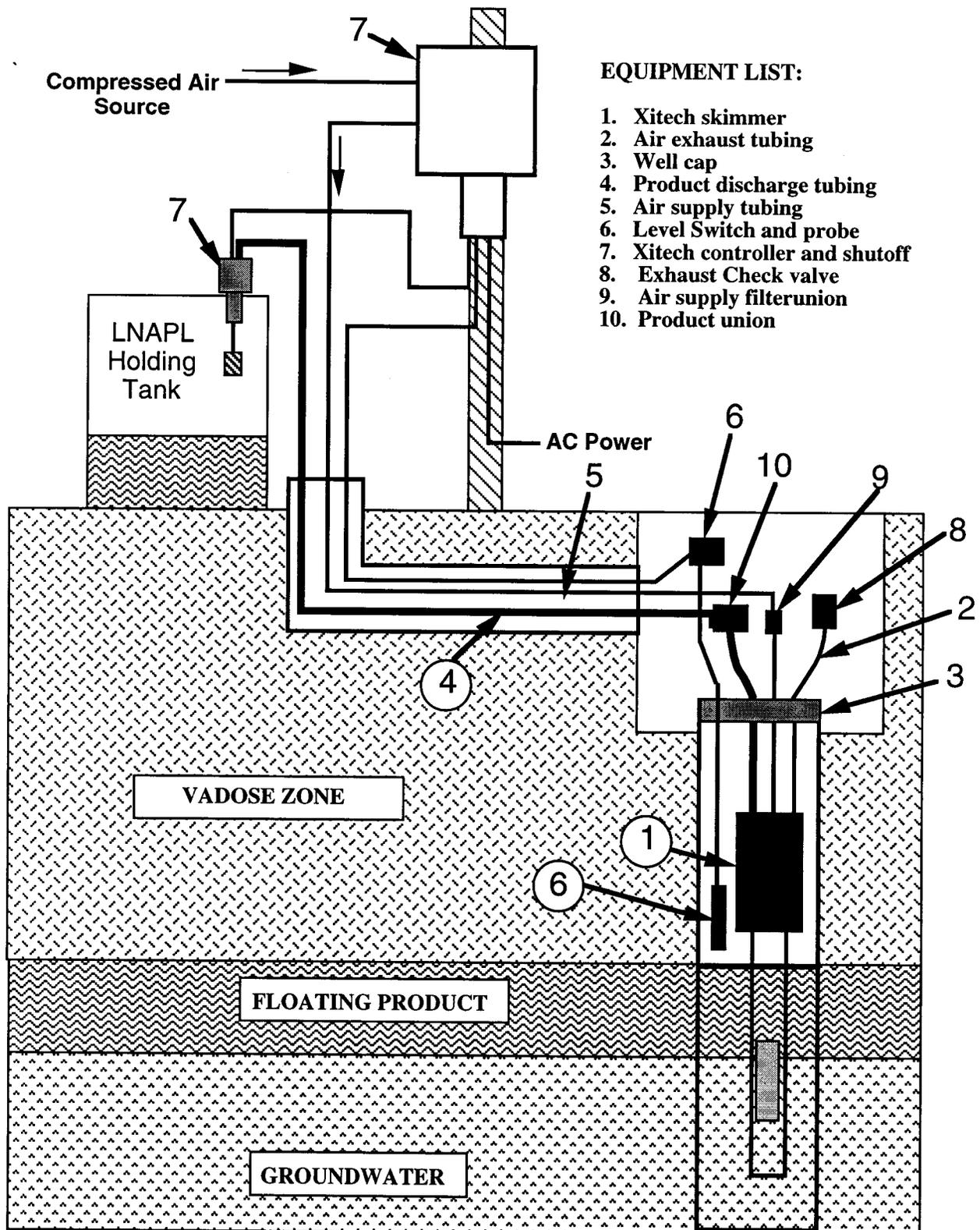
An Event LNAPL recovery system will include a controller, skimmer, product tank level shutoff, and a level switch and in-well level probe.

The inlet of the in-well level probe is installed next to the skimmer at a location a few inches above the skimmer's max upper float travel.

When the controller receives a high water level signal from the in-well level probe, then the controller turns off the skimmer. The skimmer will stay off until the water level in the well drops back into the skimming zone. There is nothing the operator has to do. This operation is all automatic.

There is no float switch down well to get stuck only hollow tubing which is connected to a pressure switch located in the well vault. This pressure switch is rated Class I and is water proof.

# Event Skimming with AC Power



# Event Skimming Using DC Power

