Predive Checklist

NAME: _____ DATE: _____

DIVE LOCATION: _____ PLANNED DEPTH: _____

TODAY'S DIVE NUMBER: _____

INITIALS ↓ ***YOU MUST CHECK YOUR PPO2 DISPLAY OR COMPUTER EVERY MINUTE DURING THE DIVE!!!!!!!!!***

____ I have analyzed the gas in my cylinder and it is _____% nitrox.

____ My nitrox mixture of _____%, is appropriate for the dive that I am planning.

____ My nitrox mixture of _____% gives me a maximum operating depth (MOD) of _____.

____ My nitrox mixture of _____% which gives me a maximum operating depth of _____, is within my certification level.

____ My dive buddies name is _____

____ I have attached my regulator set to my cylinder; I have verified that my regulator is working properly and that my gauges are also working properly.

____ I am using a dive cylinder which has an appropriate amount of gas in it for the dive that I am planning, including enough gas to bail out, if necessary. It also has enough gas to safely provide lift for my wing.

____ I have the necklace for my bailout regulator attached to the mouthpiece so I can hang it around my neck. Alternatively, I will place my bailout regulator on my chest area as instructed during my open water class.

____ I have installed my sensor, and reattached the sensor housing and display.

____ My sensor is _____ months old.

____ the millivolt reading on my sensor is _____

____ I have calibrated my display and verified the reading in nitrox.

____ My display uses a _____ battery and it has _____ hours left on it.

____ My absorbent has been used for _____ hours, which means that I have _____ hours left on it.

____ I am using an absorbent cartridge which is fresh and still appropriate for diving.

____ My dive computer, if I am using one, is in perfect working order. If I am not using a computer, I will use a timing device which is in perfect working order.

____ If I am not using a compatible GEM computer, I will use air tables & a timer to calculate my no deco time.

____ The battery voltage on my computer is _____

____ My buddy and I have practiced bailout procedures and know what to do in an emergency.

____ My surface interval before this dive is _____

____ I am using _____ lb/kg of weight.

____ I have assembled the GEM canister & diving system following the directions in the retail manual. I have verified that all hoses and fittings are properly secured and tightened.

____ My CNS before this dive is _____. My OTU before this dive is _____.

____ I will check my PPO2 display or computer, to monitor my breathing gas, every minute during the dive.

This pre-dive check should be done after your unit has been assembled, your scrubber canister filled, lungs attached, all fittings/hoses checked & secure, etc. It should be done prior to entering the water.

INITIALS ↓

____ I have ensured that the Mushroom Valve on the Valve Plate is flat and smooth. I have ensured that it is facing the correct direction so that gas flow is going left to right.

____ I have done a mouthpiece & lower loop hose positive and negative test on the left side Valve Disk and the right side valve assembly and have ensured that they are working properly. I have visually inspected the Mushroom valve and it is not damaged.

____ I have verified that the discharge ports on the mouthpiece are discharging properly and that the diaphragms are in good condition.

____ With the mouthpiece in the closed position, I have exhaled to ensure that the vent hole is unobstructed and is venting properly.

____ I have turned my display on.

____ I have opened my cylinder and checked that it has the appropriate amount of gas for the dive that I am planning and it also has enough gas in it to bailout, if necessary. It also has enough gas to safely provide lift to my wing.

____ After opening the cylinder and noting the amount of gas for the dive, I have turned the cylinder off and watched the pressure gauge to verify that there isn't a leak. I have opened the cylinder valve after this test is completed.

____ I have calibrated my sensor in air. (If I am using a Jetsam display, I will ensure that it is in the "ON" position, NOT the calibrate position before I enter the water.) I have verified the sensor reading with the analyzed contents of my cylinder.

____ I have done a negative test on the fully assembled KISS GEM and it maintains full vacuum pressure.

____ I have done a positive test on the fully assembled KISS GEM and it maintains full pressure.

____ I have ensured that my wing inflation and drysuit inflation (if used) are working properly. I have ensured that that I have an appropriate amount of gas in my cylinder for the dive, for my bailout and for wing/drysuit inflation. I have ensured that the V-strap on my CL cover is in good condition.

____ I have pre-breathed my GEM for at least 5 minutes before entering the water. While I am pre-breathing the GEM, I will be watching my displays carefully and pressing the T piece second stage to add nitrox to the loop when required. I will not let the PPO2 drop below 0.21/air.

____ I will double check that my cylinder is open, my display is on and my computer is properly programmed before I enter the water.

____ My counterlungs are properly positioned as per my training course.

____ Once I am in the water, I will do a bubble check with my buddy to double check that there are no leaks in my diving system.

ALWAYS ENSURE THAT YOU HAVE ENOUGH GAS IN YOUR CYLINDER TO CONDUCT YOUR PLANNED DIVE, FOR BAILOUT AND ALSO FOR WING/DRYSUIT INFLATION!!!