PUMP SYSTEM PLAN REVIEW AND INSPECTION CHECKLIST

ADDRESS: _____ DATE: _____

PUMP CHAMBER SPECS:

____ CAPACITY: _____ gallons, TYPE: _____
____ WATERTIGHT CERTIFIED (in high groundwater conditions) – TESTED FOR LEAKAGE?
____ MANHOLE TO GRADE – GRADED TO AVOID SURFACE WATER INFILTRATION?
____ WATERTIGHT RISERS
____ RISER(S) 24" DIA. OVER ACCESS MANHOLE IF CHAMBER > 24 INCHES DEEP
____ CHAMBER, RISER AND COVER ASSEMBLY - H-20 LOAD RATED FOR VEHICLE TRAVEL AREAS

EFFLUENT PUMP SPECS:

____ PROPER PUMP: MAKE AND MODEL: _____ HP: _____
____ EFFLUENT PUMP APPROVED FOR SEWAGE DISPOSAL SYSTEM USE (BY MANUFACTURER)
____ SINGLE PUMP WITH EMERGENCY STORAGE (MINIMUM 24 HOUR FLOW) **OR**
____ DUAL ALTERNATING PUMPS
____ SYSTEM TOTAL DYNAMIC HEAD: _____ **(CALCULATE)**
____ PUMP RATED FOR DESIGN FLOW AT TOTAL DYNAMIC HEAD FOR SYSTEM DESIGN?

PUMP ASSEMBLY:

____ PROPER PUMP INSTALLATION IN CHAMBER: (location, elevation, plumbing)
____ ACCESSIBLE PUMP DISCONNECT - UNION COUPLING OR OTHER: _____
____ ACCESSIBLE PUMP LIFT CHAIN/ROPE
____ CHECK VALVE PROVIDED ON PUMP DISCHARGE LINE (unless not required by pump manufacturer)
____ PUMP ON/OFF SWITCH TYPE: FLOAT SWITCHES: _____, TRANSDUCERS: _____
____ **VOLUME DOSING _____ OR TIME DOSING _____**
____ PUMP CYCLE VOLUME: _____GALLONS / DOSING SPECS: _____
pump on elevation/height: _____
pump off elevation/height: _____ **(CALCULATE)**
PUMP CYCLE VOLUME APPROPRIATE FOR LEACHING SYSTEM STORAGE CAPACITY? **(CALCULATE)**

____ ALARM SWITCH TYPE: FLOAT SWITCHES: _____, TRANSDUCERS: _____
____ EMERGENCY STORAGE VOLUME: _____ gallons (MINIMUM 24 HOUR FLOW REQUIRED)
alarm on elevation/height: _____ **(CALCULATE)**

____ AUDIBLE ALARM LOCATION AND SPECIFICATIONS (TYPE): _____
____ CONTROL PANEL: NA___ or SPECS: _____
____ TIME DOSING - TIMER SETINGS (IF APPLICABLE)

FORCE MAIN SPECS:

____ FORCEMAIN PIPE TYPE: _____, DIAMETER: _____ inches, LENGTH _____ feet
____ FORCEMAIN OUTLET AT LEACHING SYSTEM NOT SUBMERGED
____ FREEZE PROTECTION PROVIDED BY DEEP BURIAL (BELOW FROST LINE) **OR**
____ FORCEMAIN WEEPHOLE/DRAIN HOLE WITHIN CHAMBER
____ VOLUME OF FORCEMAIN DRAINING BACK TO PUMP CHAMBER DOES NOT CAUSE EXCESSIVE PUMP CYCLING? **(CALCULATE)**

____ PUMP ON/OFF SWITCH SETTINGS VERIFIED
____ PUMP TEST
____ ALARM TEST
____ ALARM ON SEPARATE CIRCUIT FROM PUMP

Contact the local building official to discuss the electrical permit and inspection requirements.

All electrical work associated with the power source and installation of the pump, alarm, control panels, switches, wires, conduits, etc. should be performed by a qualified electrician and must be inspected by a building inspector or electrical inspector.

ELECTRICITY, WATER AND SEWER GASSES CAN BE A VERY DANGEROUS COMBINATION – MAKE SURE THE JOB IS DONE RIGHT AND DONE SAFELY!!!

3/2009