

HARNETT COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SECTION
307 W. CORNELIUS HARNETT BLVD.
LILLINGTON, NC 27546
910-893-7547 PHONE
910-893-9371 FAX

Application for Repair

EMAIL ADDRESS: William.james.mcmurray@gmail.com

OWNER NAME William James McMurray

PHONE 907-952-9330

PHYSICAL ADDRESS 362 Adams Pointe Ct Angier NC 27501

MAILING ADDRESS (IF DIFFERENT THAN PHYSICAL) _____

IF RENTING, LEASING, ETC., LIST PROPERTY OWNER NAME _____

Honeycutt Hills 31 Adams Pointe Ct .57 Acre
SUBDIVISION NAME LOT #/TRACT # STATE RD/HWY SIZE OF LOT/TRACT

Type of Dwelling: ☐ Modular ☐ Mobile Home ☒ Stick built ☐ Other _____

Number of bedrooms 4 ☐ Basement

Garage: Yes ☒ No ☐

Dishwasher: Yes ☒ No ☐

Garbage Disposal: Yes ☐ No ☒

Water Supply: ☐ Private Well

☐ Community System

☒ County

Directions from Lillington to your site: Hwy 210 North towards Angier, left on James Norris, Left on Shelby Meadow, Right on Adams Pointe Ct.

In order for Environmental Health to help you with your repair, you will need to comply by completing the following:

1. A **"surveyed and recorded map"** and **"deed to your property"** must be attached to this application. Please inform us of any wells on the property by showing on your survey map.
2. The outlet end of the tank and the distribution box will need to be uncovered and property lines flagged. After the tank is uncovered, property lines flagged, underground utilities marked, and the orange sign has been placed, you will need to **call us at 910-893-7547 to confirm that your site is ready for evaluation.**

Your system must be repaired within 30 days of issuance of the Improvement Permit or the time set within receipt of a violation letter. (Whichever is applicable.)

By signing below, I certify that all of the above information is correct to the best of my knowledge. False information will result in the denial of the permit. The permit is subject to revocation if the site plan, intended use, or ownership changes.


Owner Signature

20 October 2025

Date

HOMEOWNER INTERVIEW FORM

It is important that you answer the following questions for our inspectors. Please do not leave any blanks if possible, and answer all questions to the best of your ability. Thank You.

Have you received a violation letter for a failing system from our office? ☐ YES ☒ NO

Also, within the last 5 years have you completed an application for repair for this site? ☐ YES ☒ NO

Year home was built (or year of septic tank installation) 2024

Installer of system C&M Plumbing

Septic Tank Pumper C&M Plumbing

Designer of System C&M Plumbing

1. Number of people who live in house? 5 # adults 2 # children 7 # total
2. What is your average estimated daily water usage? 200/ gallons/ day county water. If HCPU please give the name the bill is listed in
3. If you have a garbage disposal, how often is it used? ☐ daily ☐ weekly ☐ monthly
4. When was the septic tank last pumped? June/July 2025 How often do you have it pumped? N/A
5. If you have a dishwasher, how often do you use it? ☒ daily ☐ every other day ☐ weekly
6. If you have a washing machine, how often do you use it? ☐ daily ☒ every other day ☐ weekly ☐ monthly
7. Do you have a water softener or treatment system? ☐ YES ☒ NO Where does it drain?
8. Do you use an "in tank" toilet bowl sanitizer? ☐ YES ☒ NO
9. Are you or any member in your household using long term prescription drugs, antibiotics or chemotherapy? ☒ YES ☐ NO If yes please list Multiple heart medications
10. Do you put household cleaning chemicals down the drain? ☐ YES ☒ NO If so, what kind?
11. Have you put any chemicals (paints, thinners, etc.) down the drain? ☐ YES ☒ NO
12. Have you installed any water fixtures since your system has been installed? ☒ YES ☐ NO If yes, please list any additions including any spas, whirlpool, sinks, lavatories, bath/showers, toilets kitchen faucet
13. Do you have an underground lawn watering system? ☐ YES ☒ NO
14. Has any work been done to your structure since the initial move into your home such as, a roof, gutter drains, basement foundation drains, landscaping, etc? If yes, please list No
15. Are there any underground utilities on your lot? Please check all that apply:
☒ Power ☐ Phone ☒ Cable ☒ Gas ☒ Water
16. Describe what is happening when you are having problems with your septic system, and when was this first noticed?
System regularly seeping waste water into lawn, strong septic smells, tracking of wastewater continues throughout length of property
17. Do you notice the problem as being patterned or linked to a specific event (i.e., wash clothes, heavy rains, and household guests?) ☐ YES ☒ NO If Yes, please list

Harnett County Environmental Health

File/Permit Number: SFD2406-0035

IMPROVEMENT PERMIT

County: Harnett

PIN/Lot Identifier: 0663-51-9937.000 Lot 31

Owner: DRB GROUP NORTH CAROLINA LLC

Applicant: DRB GROUP NORTH CAROLINA LLC

Property Location: 362 ADAMS POINTE CT ANGIER, NC 27501

Subdivision (if applicable) HoneyCutt Hills

Lot #: 31

Block: _____ Section: _____

New ☒

Expansion ☐

System Relocation ☐

Change of Use ☐

Facility Type: SFD 49' x 50'

Number of bedrooms: 4 Number of Occupants: 8 Other: _____

Design Wastewater Strength: ☒ Domestic

☐ High Strength

☐ Industrial Process Wastewater

Proposed Design Daily Flow: 480 GPD

Proposed LTAR (Initial): .35

Proposed LTAR (Repair): .35

Proposed Wastewater System Type*: 25% Reduction System (Initial) Pump Required: ☒ Yes ☐ No ☐ May be required

Proposed Wastewater System Type*: 50% Reduction System (Repair) Pump Required: ☒ Yes ☐ No ☐ May be required

*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII

Effluent Standard: ☒ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

Saprolite System (Initial): ☐ Yes ☒ No

Saprolite System (Repair): ☐ Yes ☒ No

Fill System (Initial): ☐ Yes ☒ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (Repair): ☐ Yes ☒ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Usable Depth to LC (Initial)*: 34"

Usable Depth to LC (Repair)*: 34" * Limiting Condition

Max. Trench Depth (Initial)*: 18"-21" Max. Trench Depth (Repair)*: 18"-21" * Measured on the downhill side of the trench

Artificial Drainage Required: ☐ Yes ☒ No If yes, please specify details: _____

Type of Water Supply: ☐ Private well ☐ Public well ☐ Shared well ☒ Municipal Supply ☐ Spring ☐ Other: _____

Drainfield location meets requirements of Rule .0508: Yes ☒ No ☐ Drainfield location meets requirements of Rule .0601: Yes ☒ No ☐

Permit valid for: ☒ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

No Foundation or Gutter Drains to be Directed Towards Septic System.

No Cutting or Grading of Soil in Septic or Sept

Authorized Agent's Printed Name: Ren Levocz

Expiration Date: 8-12-29

Authorized Agent's Signature: Ren Levocz

Date: 8-12-24

See attached site sketch

The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This permit is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E and to the conditions of this permit.

Harnett County Environmental Health

File/Permit Number: SFD2406-0035

CONSTRUCTION AUTHORIZATION

County: Harnett PIN/Lot Identifier: 0663-51-9937.000 Lot 31
Owner: DRB GROUP NORTH CAROLINA LLC Applicant: DRB GROUP NORTH CAROLINA LLC
Property Location: 362 ADAMS POINTE CT ANGIER, NC 27501
Facility Type: SFD 49' x 50'

Number of bedrooms: 4 Number of Occupants: 8 Other: _____
☒ New ☐ Expansion ☐ Repair ☐ System Relocation ☐ Change of Use
Basement? ☐ Yes ☒ No Basement Fixtures? ☐ Yes ☒ No
Crawl Space? ☒ Yes ☐ No Slab Foundation? ☐ Yes ☒ No
Type of Wastewater System* 25% Reduction System (Initial) 50% Reduction System (Repair)

*Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII

Design Daily Flow: 480 GPD Wastewater Strength: ☒ Domestic ☐ High Strength ☐ Industrial Process Wastewater

Rule .0403(e) Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies (S.L. 2013-413 and 2014-120)? ☐ Yes ☐ No
(if yes, please provide engineering documentation)

Effluent Standard: ☒ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

Type of Water Supply: ☐ Private well ☐ Public well ☐ Shared well ☒ Municipal Supply ☐ Spring ☐ Other: _____

Installation Requirements/Conditions

Septic Tank Size: 1,000 gallons Total Trench/Bed Length: 350' feet Trench/Bed Spacing: 9' feet on center
Trench/Bed Width: 36" inches LTAR: .35 gpd/ft² Usable Depth to LC (Initial)*: 34" ^{*Limiting condition}
Soil Cover: 6" inches Slope Corrected Maximum Trench/Bed Depth*: 18"-21" inches ^{* Measured on the downhill side of the trench}
Pump Tank Size (if applicable): 1,000 gallons Requires more than one pump? ☐ Yes ☐ No
Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ gallons
Distribution Method: ☒ Serial ☐ D-Box or Parallel ☐ Pressure Manifold(s) ☐ LPP ☐ Other: _____
Artificial Drainage Required: Yes ☐ No ☒ If yes, please specify details: _____

Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)

Multi-party Agreement Required [Rule .0204(g)]: ☐ Yes ☐ No

Easement, Right-of-Way, or Encroachment Agreement Required [Rule .0204(d)]: ☐ Yes ☐ No

Declaration of Restrictive Covenants: ☐ Yes ☐ No Pre-Construction Conference Required: Yes ☐ No ☒

Management Entity Required: ☐ Yes ☐ No Minimum O&M Requirements: _____

Conditions: No Foundation or Gutter Drains to be Directed Towards Septic System.

No Cutting or Grading of Soil in Septic or Septic Area.

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

Authorized Agent's Printed Name: Ren Levocz

Expiration Date: 8-12-29

Authorized Agent's Signature: 

Date: 8-12-24

See attached site sketch



Central Carolina Soil Consulting, PLLC

1900 South Main Street, Suite 110

Wake Forest, NC 27587

919-569-6704

September 18, 2025

Job # 3806

DRB Group
Christian St. James
1101 Slater Road
Suite 300
Durham, NC 27703

RE: Site meeting at lot 31, Honeycutt Hills SD, Harnett County, NC.

Dear Mr. James:

Central Carolina Soil Consulting, PLLC met with you and others from DRB Group at lot 31 in Honeycutt Hills SD due to previous effluent surfacing on the lot. Per the Construction Authorization completed by the Harnett County HD, the lot has a daily flow rate of 480 gal/day (4-bedroom) with a horizontal panel block drainfield. The system is pressure dosed with serial distribution (using drop boxes per paperwork provided). No effluent was surfacing on the date of the site meeting (8-19-25), although areas in the front yard showed evidence of previous effluent surfacing.

Central Carolina Soil recommends to install a manifold box with taps (see tap chart) to feed each of the 5 lines individually to better disperse the effluent (with the exception of lines 1-2, keep that step-down). Additionally, the current control panel shall be replaced with an Aquaworx control panel to control the dosing of the system. The flow shall be split between 4 cycles per day (every 4 hours) away from a larger demand dose system. Water records need to be taken on the lot to ensure the system is not being over loaded based on the daily flow rate.

These proposed changes to the wastewater system need to be reviewed and have a permit issued by the Harnett County HD before installation. The recommended changes do not guarantee a fix to wastewater system, rather best professional judgement by CCSC. No soils work was completed on lot 31 on 8-19-25.

If you have any questions regarding the findings on the attached map or in this report, please feel free contact me at anytime. Thank you allowing Central Carolina Soil Consulting to perform this site evaluation for you.

Sincerely,



Jason Hall
NC Licensed Soil Scientist #1248
AOWE # 10004

Encl: tap chart, County Permit

Honeycutt Hills lot 31 System Tap Chart

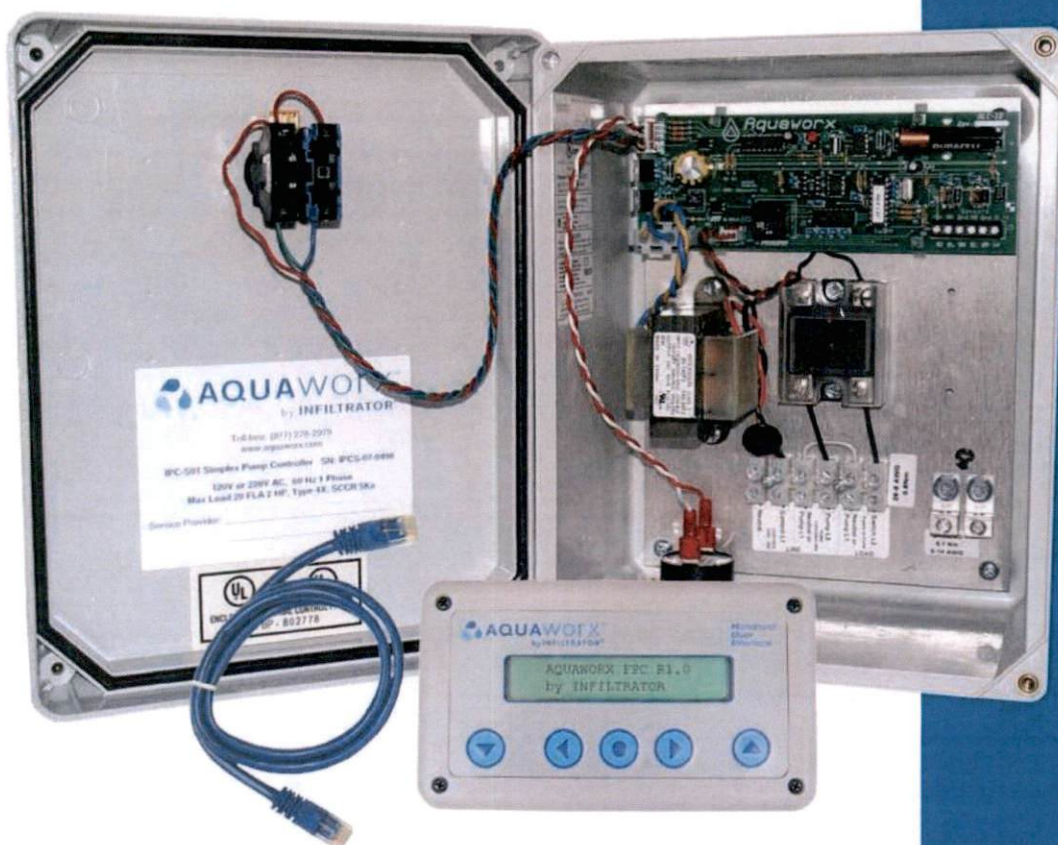
Bench Mark		is = 100.00		Location of BM		Elevation Head			10.90
Pump tank elev.		6	94.00	Pump elev.		89.00	Manifold elev.		99.90
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1 & 2		1.10	98.90	102	3/4in SCH 80	10.1	140.85	306	0.4603
3			100.00	78	1/2in SCH 40	7.11	99.15	234	0.4237
4			100.00	90	1/2in SCH 40	7.11	99.15	270	0.3672
5			100.00	108	3/4in SCH 80	10.1	140.85	324	0.4347
		total	feet =	378	gal/min =	34.42	LTAR =		0.3500
							LTAR + %5		0.3675
% of Dose Vol.	75	Des. Flow		480	(ltar W/ INOV)		0.4667		
Dose Volume	184.28	Pump Run=		13.95	(ltar W/ INOV + 5%		0.4900		
Dose Pump Time	5.35	Tank Gal/IN		21					
Drawdown in Inches	8.78								

Keep existing step-down between lines 1-2.



IPC™ Panels Installation Manual

MAR-04



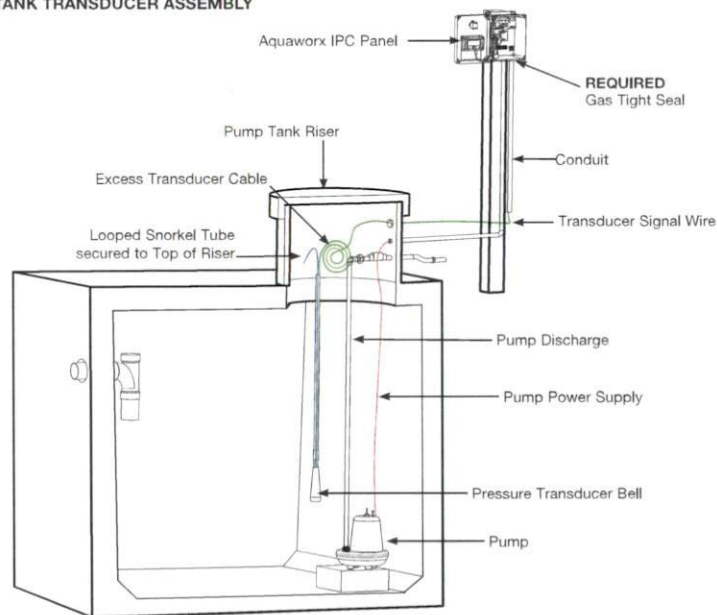
To download
the complete manual
visit
www.aquaworx.com

AQUAWORX IPC PANEL INSTALLATION INSTRUCTIONS

The Aquaworx IPC (Intelligent Pump Control) Panel provides an innovative approach to pump control. Designed specifically for the onsite industry, the IPC Panel leverages simple pressure transducer technology for the enhancement of pump system performance, and ease of installation. Relying on an embedded microprocessor in the pump controller and a floatless pressure transducer in the pump chamber, the IPC Panel monitors liquid levels, controls pumping time intervals, and logs events in real time. Using the Mountable and Removable Controller (MARC) as the user interface, the IPC Panel offers a cost-effective solution with expanded capability.

Aquaworx offers three models of the IPC Panel: Simplex, Duplex and Sand Filter, to meet a variety of system design requirements. The Simplex Panel has the ability to time control a single pump, while the Duplex Panel can control two pumps in an alternating design with independent timing. The Sand Filter Panel has the ability to time control two individual pumps having independent level sensors, allowing for a design which can time-dose a treatment system and drainfield.

FIGURE 1: PUMP TANK TRANSDUCER ASSEMBLY



I. General

Unpack the Aquaworx IPC Panel and check for any visible damage both external and internal. Also verify that there are no cracks or damage to the pressure transducer bell. Note: You will need to identify the number on the pressure transducer bell as it is needed during the MARC setup. Notify Aquaworx immediately at 1-877-278-2979 if any damage has occurred.

ALL INSTALLATIONS MUST BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE.

AQUAWORX IPC PANEL INSTALLATION INSTRUCTIONS

II. Installing the IPC Panel

NOTE: A qualified electrician must perform all wiring. Complete wiring diagram available at www.aquaworx.com

The following components and tools may be required for installation:

- Screwdriver (sm and med size flat head)
- Pipe cutter and tape measure
- Fish tape
- Wire strippers/cutters
- Electrical tester
- Drill
- 3/4" to 1" screws
- 1" PVC coupler
- Step bit
- Hole saw
- Electrical conduit
- Electrical tape
- Splice box for pump connection
- Waterproof wire connectors
- 1" PVC (for transducer handle, amount determined by tank depth (6' length typical))

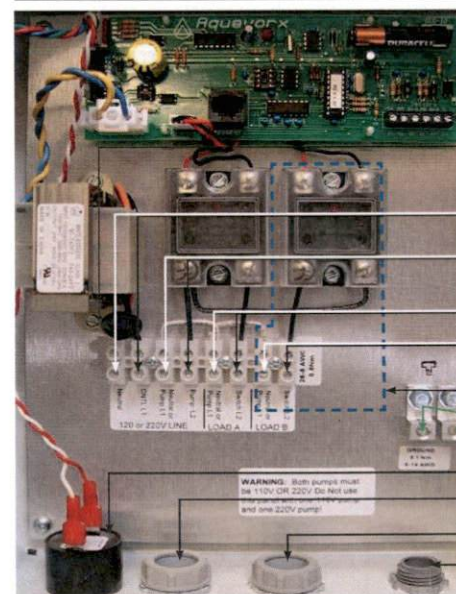


FIGURE 2: IPC PANEL WIRING SETUP AND TRANSDUCER 3-WIRE CONNECTION

1. Mount the IPC Panel to the wall or post. Position the IPC Panel so that the power supply enters the IPC Panel through the bottom approximately 1" to the right of the audible alarm unit.

2. On Simplex Panels drill two holes (3 holes for duplex) in the bottom of the enclosure spaced approximately 2" apart and in line with the audible alarm unit. When facing the panel, the order of conduit connections from left to right is shown below, as well as illustrated in Figure 2:

Power in: 2 dedicated 20 amp circuits from house to power the panel, 120V (1) and pump, 120V or 220V(2)

Power out: Power supply from panel to pump

Transducer signal wire: Signal transmission from panel to pump

NEMA 4X fittings must be installed in each field-drilled hole to retain the integrity of the enclosure's 4X rating.

III. MARC CONTROLLER SETUP

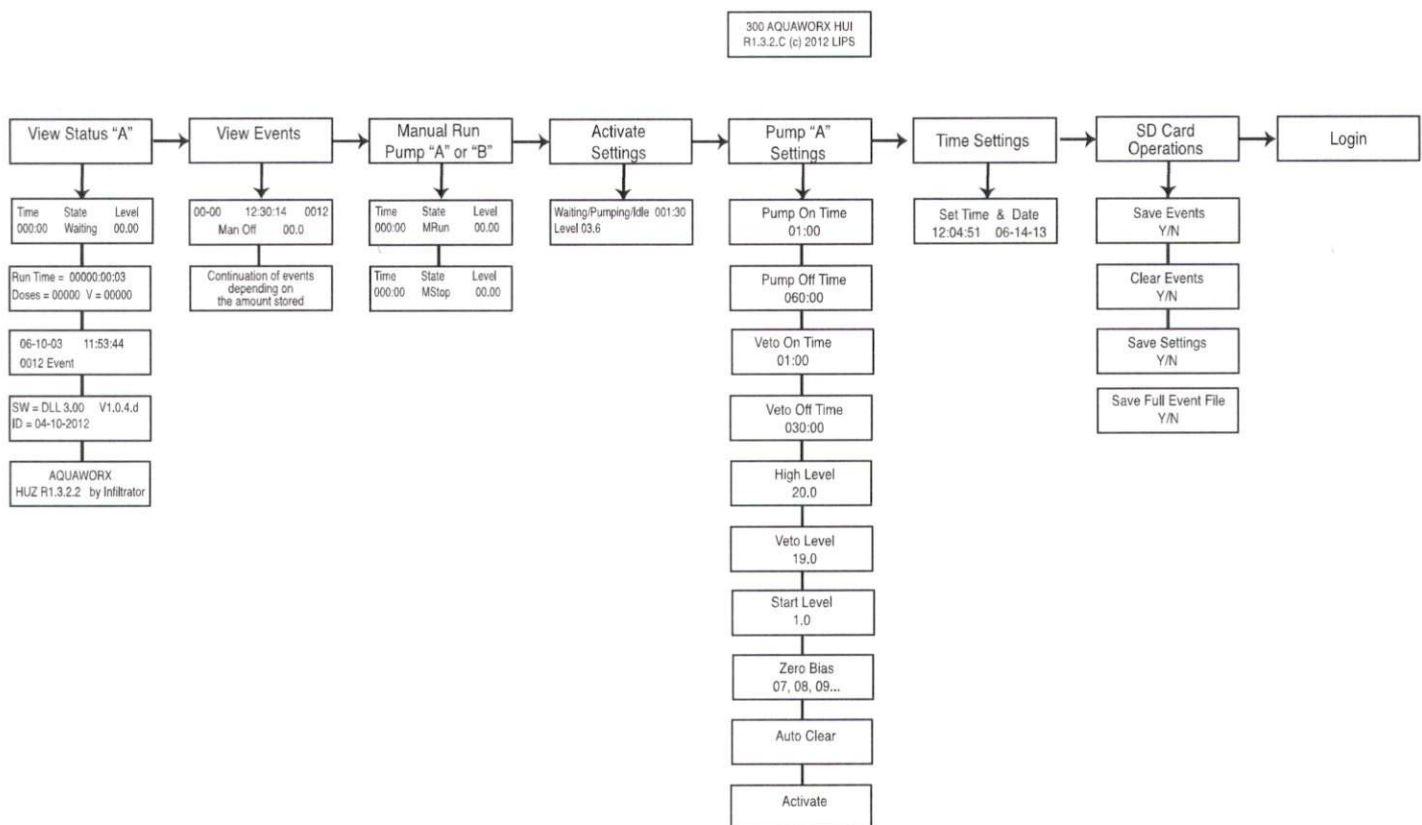
The MARC will power up and log in when plugged into the control panel. Upon power up the MARC will recognize the panel model and Mode settings and initiate the proper software.

A system flow chart for a simplex panel is presented below. Menu categories are listed across the top of the flow chart. To move laterally press the +,- or the right/ left pointing arrows. To enter a menu category item tap the "Enter" or down pointing arrow. To exit a menu category tap the up or exit button.

Duplex systems controlling two pumps will have a similar flow pattern with the addition of View Status B, Manual Run B and Pump B Settings.

Press "Enter" or the down button to enter each menu option. Once in a menu option press the +,- or the right/ left pointing arrows to navigate the menu options. "Enter" is also used to turn pumps On & Off in the manual mode and when finished making a change to a setting or value.

FIGURE 3: MARC SIMPLEX MENU OPTIONS MAPPING



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U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending. Infiltrator, Equalizer, Quick4, and SideWinder are registered trademarks of Infiltrator Systems Inc. Infiltrator is a registered trademark in France. Infiltrator Systems Inc. is a registered trademark in Mexico. Contour, MicroLeaching, PolyTuff, ChamberSpacer, MultiPort, PosiLock, QuickCut, QuickPlay, SnapLock and StraightLock are trademarks of Infiltrator Systems Inc. PolyLok is a trademark of PolyLok, Inc. TUF-TITE is a registered trademark of TUF-TITE, INC. Ultra-Rib is a trademark of IPEX Inc.

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Contact Infiltrator Systems' Technical Services Department for assistance at 1-800-221-4436