



**A312G DETERMINATION**  
ALTERNATIVE SEPTIC TANK MATERIAL  
UNDER R18-9-A314(3)(B)

Date: July 2<sup>nd</sup>, 2014

Material: Polypropylene  
Product Name: IM-1530,

Inventory No.: 20140063  
LTF #: 59906

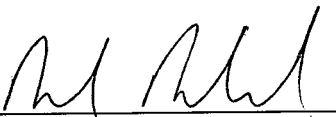
Manufacturer:  
Infiltrator Systems Inc.  
4 Business Park Road  
Old Saybrook, CT 06475

The Arizona Department of Environmental Quality (ADEQ) has received Infiltrator Systems Inc. alternative material request (A312G) for manufacturing septic tanks authorized for use under a Type 4 General Aquifer Protection Permit (APP), in accordance with the Arizona Administrative Code (A.A.C.) R18-9-A314 (3)(b). ADEQ received the alternative material request on March 26<sup>th</sup>, 2014 for the use of polypropylene as an alternative construction material for septic tanks. ADEQ has made the following determination:

- The alternative materials request has been reviewed in accordance with A.A.C. R18-9-A312(G) and IS APPROVED under the terms of the Type 4 General APP, with the following conditions:
- 1) This authorization is limited to the single-layer corrugated polypropylene as approved in the IAPMO, Certificate of Listing, Revised January 7<sup>th</sup>, 2014;
  - 2) The product cannot be installed in areas subject to vehicle traffic;
  - 3) The product is only available from the manufacturers certified assemblers;
  - 4) The product will require anti-buoyancy devices when installed in areas where the seasonally high ground water table may come in contact with the bottom of the tank;
  - 5) The product must be installed with 6 to 48 inches of soil cover; and
  - 6) The product can be installed in a one or two compartment configuration if two tanks are installed in series the design of the system must meet the requirements of A.A.C. R18-9-A314(4)(c).

An applicant submitting a Notice of Intent to Discharge for a Type 4 General APP with a septic tank manufactured from this material must comply with all design, installation, testing, operation, monitoring, record keeping, reporting and closure requirements specified in A.A.C. R18-9 Article 3, the Arizona Revised Statutes and the conditions described above.

The approval of polypropylene as an alternative construction material for septic tanks can be revoked in the event the product fails to comply with all Type 4 General Aquifer Protection Permit requirements in the Arizona Administrative Code and the Arizona Revised Statutes.

 7/2/14  
David Burchard, Manager  
Engineering Review Unit  
Water Quality Division

cc: David Lelsz, ADEQ  
Delegated Local Authorities