



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

Date: July 6th, 2011

Material: Polypropylene
Product Name: IM-1060

Inventory No.: 20110111
LTF #: 54171

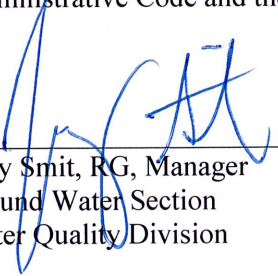
Manufacturer:
Infiltrator Systems Inc.
6 Business Park Road
Old Saybrook, CT 06424

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 May 10th, 2011 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 March 10, 2011;
 - 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.


Jerry Smit, RG, Manager
Ground Water Section
Water Quality Division

cc: David Lelsz, ADEQ
Delegated Local Authorities

ERP: 11-0191

FORM REVISED JUNE 2011

1110 WEST WASHINGTON, PHOENIX, AZ 85007
WWW.AZDEQ.GOV