

Appendix: ADSORPTIVE ARSENIC MEDIAS 10-11-04 Draft

(Firms are listed in alphabetical order; the arsenic removal product is noted in **bold**. Adsorptive products must have ANSI 61 approval for treating potable water. No product endorsement is implied by being listed.) Bed volume (Options: low: 0-25,000; medium: 26,000-60,000; high: over 60,000 – over). Bed volume capacity is very site specific. All Information is DRAFT.

Please email me bluecey@des.state.nh.us for a finalized copy available about 1/1/2005. Please do not distribute this version

Adedge Technologies, Inc.

Att: Greg Gilles

Product: 33

3560 Financial Center Way, Suite 5

Buford, GA 30519

1-866-823-3343

1-678 835-0057 Fax

www.adedgetechnologies.com

Media Type: Ferric oxide

Regeneration: No

Bed Volumes: High

pH Sensitive: Yes

Arsenic III: Effective

EBCT: 4 min

Competing ions: Silica, vanadium, PO₄

ADI International, Inc.

Att: Michael McMullin

Product: G2;

1133 Regent Street, Suite 300

Fredericton, NB

Canada E3B 3Z2

1-800-858-1888 Tel.

1-506-459-3954 Fax

www.adi.com

Media Type: Diatomaceous Earth & Iron

Regeneration: No

Bed Volumes: Medium

pH Sensitive: Yes

Arsenic III: Not Effective

EBCT: min

Competing ions:

Alcan Chemical

Att: Bill Reid

Product: Act. Alum. (Fe inhan.)

1188 Sherbrooke Street West

Montreal, Quebec, Canada H3A 3G2

514-848-1432 Tel.

514-848-1450 Fax

630-527-1213 Reid

www.alcan.com

Media Type: Activated Alumina & Iron enh

Regeneration: Possible

Bed Volumes: Medium

pH Sensitive: Yes

Arsenic III: Not Effective

EBCT: 5 min

Competing ions: Fluoride, PO₄, Silica

Alcoa Industrial Chemicals
Att:
Product: Activated Alumina
16010 Barkers Point Lane
Suite 250
Houston, TX 77079
1-800-221-7392 Houston
1-318-336-9601 Louisiana

Media Type: Activated Alumina
Regeneration: Possible
Bed Volumes: Medium
pH Sensitive: Yes
Arsenic III: Not Effective
EBCT: 3 min
Competing ions: Fluoride

Aquatic Treatment Systems, Inc
Att: Tim Badger
Product: A/I Complex 2000
50 Cole Parkway
Scituate, Mass 02066
1-888-772-2782 tel
1-781-545-8488 Fax

Media Type: Iron Complex
Regeneration: No
Bed Volumes: High
pH Sensitive: no
Arsenic III: Effective
EBCT: 1 min
Competing ions: Antimony

Dow Chemical
Att: Dan Rice
Product: XUR
Larkin Lab
Midland Michigan 48674
988-636-0570
988-638-9944 Fax
www.dow.com

Media Type: TiO₂
Regeneration:
Bed Volumes:
pH Sensitive:
Arsenic III:
EBCT:
Competing Ions:

Engelhard Corp
Att: Linda Muroski
Product: ARM 200
101 Wood Ave
Iselin, NJ 08830-0770
1-732-205-5046 tel
1-732-
www.engelhard.com

Media Type:
Regeneration:
Bed Volumes:
pH Sensitive: No
Arsenic III: Effective
EBCT:
Competing ions:

Hydroglobe, Inc.
Att: John Schroeder
Product: FerriMet
612 River Street
Hoboken, New Jersey 07030
609-499-3600 x 253
~~201-656-3311~~ Fax
www.hydroglobe.com

Media Type: Titanium
Regeneration: No
Bed Volumes: High
pH Sensitive: over pH 8.0; slower kinetic
Arsenic III: Effective
EBCT: 2 minutes
Competing ions: Silicates, PO₄

MEI
Att: Jim Knoll
Product: Isolux
500 Point Breeze Rd
Flemington, NJ 08822
908-782-5800 tel
800-366-4850 fax
www.zrpure.com

Media Type: zirconium hydroxide
Regeneration: Yes, off site not done
Bed Volumes: high
pH Sensitive: no 8.5 yes
Arsenic III: Yes
EBCT: 1 minutes
Competing ions: PO₄, CrO₆, Silica,

Purolite
Att. Amanda Dolan
Product: ArX^{np}; ArseneX^{np}
150 Monument Road
Bala Cynwyd, PA 19004
610-668-9090 Tel 800-343-1500
610-668-8139 Fax;
<http://www.puroliteusa.com>

Media Type: IE base + iron adsorption
Regeneration: generally No
Bed Volumes: medium
pH Sensitive: Yes
Arsenic III: Effective
EBCT: 3 minute
Competing ions: silica, PO₄, vanadium, sulfate

Severn Trent Services, Tetra Process
Att: R. Dennis
Product: Sorb 33, (Ferric oxide)
5415 W. Sligh Ave., Suite 102
Tampa, FL 33634-4488
www.severntrentservices.com
1-800-364-3931 tel

Media Type: Ferric oxide
Regeneration: No
Bed Volumes: High
pH Sensitive: Yes
Arsenic III: Effective
EBCT: 3 min
Competing ions:

US Filter

Att: Darren St. Germain

Product: Granular Ferric Hydroxide

600 Arrasmith Trail

Ames, Iowa 50010

1-515-232-4122 ext 463

1-515 Fax

www.usfilter.com

Media Type: Granular Ferric Hydroxide

Regeneration: No

Bed Volumes: high

pH Sensitive: Yes

Arsenic III: oxidizer required

EBCT: 5 min

Compet. ions: Iron, manganese, silica, PO₄

WRT

Att: Ron Dollar

Product: Z33

612 River Street

Hoboken, New Jersey 07030

303-424-5355 Tel.

Media Type: zeolite-based

Regeneration:

Bed Volumes:

pH Sensitive:

Arsenic III:

EBCT:

Competing ions

Also Sulfur Modified Media