



North Carolina Department of Environment and Natural Resources

Pat McCrory  
Governor

John E. Skvarla, III  
Secretary

**North Carolina DWR List of Approved PAMS/Flocculants**

Updated 11/10/2014

Company	Product	Maximum Recommended Concentration
Applied Polymer System	APS 712	59.3 ppm
Applied Polymer System	APS 730	5.6 ppm
Applied Polymer System	APS 740	5.2 ppm
Applied Polymer System	APS 703d	**
Applied Polymer System	APS 703d#3	**
Applied Polymer System	APS 706b	**
Applied Polymer System	APS 705	27.7 ppm
Aquamark, Inc	AQ100	Land surface application only at 39.7 ppm
Aquamark, Inc	AQ109	Land surface application only at 0.180g/l
Ashland Hercules Water Tech	Ashland Charge Pac 55	10 mg/L
Ashland Hercules Water Tech	Ashland Zalta MC 9500	10 mg/L
Cape Fear Consulting	PAX-CFC39A	5 ppm
Cape Fear Consulting	CFC-4330	4.5 ppm
Carolina Hydrologics	HYDROLOC PAM	Land surface application only at 3.0 mg/l
Chemical Solutions, Inc.	CS-1234 and/or CS-1234D	500 mg/L per 18% solids *(see below)*
Green Techniques	Soil Defender	Land surface application only at 0.008%
HaloSource, Inc.	GelFloc	2.56 mg/L
HaloSource, Inc.	LBP-2101	500 mg/L
Hanes Geo Components	TerraGuard Granular PAM	3.25mg/L
Innovative Turf Solutions	EnviroPam	200 mg/L
Innovative Turf Solutions	Erosion Guard Powder, Erosion Guard Logs/Erosion Guard Flats	200 mg/L
Innovative Turf Solutions	FLOC	650 mg/L
Leaner Meaner Greener, Inc	L.M.G. Dust Magnet 281 Solution	0.05%
Leaner Meaner Greener, Inc	L.M.G. Dust Magnet 163 powder	0.5 mg/L
Leaner Meaner Greener, Inc	DBP-2100	28.125 mg/L
Nalco	Nalco 8187	100 ppm
NTU	GeoScrub 10, 13, 20, 23, 34	10 mg/L
NTU	GeoScrub Bubbles	1 mg/L
Paschal Associates Sales	PFR P251	25 ppm
Southeastern Laboratories	SEL FLOC 6026	7.5 ppm
Storm Klear	3% Liqui-Floc	9.4 mg/L
Terra Novo	EarthGuard	.000625 mL/L

Additional information for specific products:

- For use and toxicity guidance regarding CS-1234 and/or CS-1234D, please contact Cindy Moore with the DWR Aquatic Toxicology Branch at (919) 743-8442 or at [cindy.a.moore@ncdenr.gov](mailto:cindy.a.moore@ncdenr.gov)

See next page for additional information

Please check for updates to this list online by navigating to the following link:

[http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=0422f500-1781-4818-b46a-db0708dd2f57&groupId=38364](http://portal.ncdenr.org/c/document_library/get_file?uuid=0422f500-1781-4818-b46a-db0708dd2f57&groupId=38364)

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For more information on the use of polymers, please contact Boyd DeVane at (919) 807-6373 or at [boyd.devane@ncdenr.gov](mailto:boyd.devane@ncdenr.gov) .

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For additional information about toxicity testing requirements, please contact Cindy Moore at (919) 743-8442 or at [cindy.a.moore@ncdenr.gov](mailto:cindy.a.moore@ncdenr.gov) .

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A list of laboratories that have been approved by the DWR to perform toxicity testing can be found at:

[http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=97ceb8ed-0454-4a4b-ae0a-3450fd756661&groupId=38364](http://portal.ncdenr.org/c/document_library/get_file?uuid=97ceb8ed-0454-4a4b-ae0a-3450fd756661&groupId=38364)