STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES
PUBLIC NOTICE OF INTENT TO REISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT No. WI-0065684-02-0

Permittee: Applied Material Solutions Inc Burlington, 1956 S Pine St, Burlington, WI, 53105
Facility Where Discharge Occurs: Applied Material Solutions Inc Burlington, 1956 S Pine St
Receiving Water and Location: Fox (IL) River (Fox (IL) River Watershed, Fox (IL) River Basin) in Racine County

Brief Facility Description and Summary of Proposed Changes: Applied Material Solutions Inc. (“AMSI”) manufactures and distributes antifoam and defoaming products and a variety of chemicals. They have developed colloidal silica technology using equipment from a supplier in the United Kingdom. These operations produce a microscopic amount of sand suspended in water and convert sodium silicate using ion exchange and heat. A boiler is used to increase the temperature of the colloidal silica solution, and then osmotic membranes are used to dewater the solution to 15-50% concentration by weight. The majority of water discharged is expected to be water removed from the solution by the osmotic membranes and system flushing. During the previous permit term, discharge of noncontact cooling water and boiler blowdown was discontinued, and permanent plumbing changes were made to route water softener regeneration backwash to the sanitary sewer. All current wastewater discharged is routed to one of two receiving vessels, both of which are connected to an effluent quality analysis (QA) tank. Effluent quality is monitored at several in plant sampling points throughout the process to ensure the effluent meets permit limits for pH. Process wastewater passes through a particle filtration medium to remove any large particulates. If pH adjustments are needed, they are made with sodium hydroxide or sulfuric acid. AMSI discharges effluent to the Fox (IL) River via the existing City of Burlington wastewater treatment facility’s outfall structure.

Permit Drafter’s Name, Address, Phone and Email: Lisa Creegan, DNR, 1027 W Saint Paul Ave, Milwaukee, WI, 53233, (414) 897-5701, Lisa.Creegan@wisconsin.gov

Basin Engineer’s Name, Address, Phone and Email: Jacob Wedesky, DNR, 1027 W Saint Paul Ave, Milwaukee, WI 53233, (414) 239-1480, jacob.wedesky@wisconsin.gov

The Department has tentatively decided that the above specified WPDES permit should be reissued.

Persons wishing to comment on or object to the proposed permit action, or to request a public hearing, may write to the Department of Natural Resources at the above-named permit drafter’s address. All comments or suggestions received no later than 30 days after the publication date of this public notice will be considered along with other information on file in making a final decision regarding the permit. Anyone providing comments in response to this public notice will receive a notification of the Department’s final decision when the permit is issued. Where designated as a reviewable surface water discharge permit, the U.S. Environmental Protection Agency is allowed up to 90 days to submit comments or objections regarding this permit determination. If no comments are received on the proposed permit from anyone, including U.S. EPA, the permit will be issued as proposed.

The Department may schedule a public informational hearing if requested by any person and shall schedule a public informational hearing if a petition requesting a hearing is received from 5 or more persons or if response to this notice indicates significant public interest pursuant to s. 283.49, Stats. Requests for a public informational hearing shall state the following: the name and address of the person(s) requesting the hearing; the interest in the proposed permit of the person(s) requesting the hearing; the reasons for the request; and the issues proposed to be considered at the hearing.

Information on file for this permit action, including the draft permit, fact sheet and permit application, may be inspected and copied at either the above-named permit drafter’s office or the above named basin engineer’s office, Monday through Friday (except holidays), between 9:00 a.m. and 3:30 p.m. Please call the permit drafter or basin engineer for directions to their office location, if necessary. Information on this permit action may also be obtained by calling the permit drafter at (414) 897-5701 or by writing to the Department. Reasonable costs (15 cents per page for copies and 7 cents per page for scanning) will be charged for information in the file other than the public notice, permit and fact sheet. Permit information is also available on the internet at: http://dnr.wi.gov/topic/wastewater/PublicNotices.html. Pursuant to the Americans with Disabilities Act, reasonable accommodation, including the provision of informational material in an alternative format, will be made to qualified individuals upon request.

NAME AND ADDRESS OF PUBLISHING NEWSPAPER: Standard Press, 1102 Ann St., Delavan, WI, 53115
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