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DEPARTMENT OF HEALTH AND HUMAN SERVICES

Agency for Toxic Substances and Disease Registry

[30Day-21-0062]

Agency Forms Undergoing Paperwork Reduction Act Review

In accordance with the Paperwork Reduction Act of 1995, the Agency for Toxic Substances and Disease Registry (ATSDR) has submitted the information collection request titled "Supplemental Measurements for Exploratory Research Regarding Exposure During Activities Conducted on Synthetic Turf Fields with Tire Crumb Rubber Infill" to the Office of Management and Budget (OMB) for review and approval. ATSDR previously published a "Proposed Data Collection Submitted for Public Comment and Recommendations" notice on February 12, 2021 to obtain comments from the public and affected agencies. ATSDR received one comment related to the previous notice. This notice serves to allow an additional 30 days for public and affected agency comments.

ATSDR will accept all comments for this proposed information collection project. The Office of Management and Budget is particularly interested in comments that:

- (a) Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information will have practical utility;

- (b) Evaluate the accuracy of the agencies estimate of the burden of the proposed collection of information, including the validity of the methodology and assumptions used;
- (c) Enhance the quality, utility, and clarity of the information to be collected;
- (d) Minimize the burden of the collection of information on those who are to respond, including, through the use of appropriate automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submission of responses; and
- (e) Assess information collection costs.

To request additional information on the proposed project or to obtain a copy of the information collection plan and instruments, call (404) 639-7570. Comments and recommendations for the proposed information collection should be sent within 30 days of publication of this notice to [www.reginfo.gov/public/do/PRAMain](http://www.reginfo.gov/public/do/PRAMain) Find this particular information collection by selecting "Currently under 30-day Review - Open for Public Comments" or by using the search function. Direct written comments and/or suggestions regarding the items contained in this notice to the Attention: CDC Desk Officer, Office of Management and Budget, 725 17th Street, NW, Washington, DC 20503 or by fax to (202) 395-5806. Provide written comments within 30 days of notice publication.

## Proposed Project

Supplemental Measurements for Exploratory Research Regarding Exposure During Activities Conducted on Synthetic Turf Fields with Tire Crumb Rubber Infill (OMB Control No. 0923-0062, Exp. Date 10/31/2021) - Extension - Office of Community Health and Hazard Assessment, Agency for Toxic Substances and Disease Registry (ATSDR).

## Background and Brief Description

ATSDR is requesting a two-year extension for the research study, titled "Supplemental Measurements for Exploratory Research Regarding Exposure During Activities Conducted on Synthetic Turf Fields with Tire Crumb Rubber Infill." (OMB Control No. 0923-0062, expiration date 10/31/2021). ATSDR is seeking Paperwork Reduction Act (PRA) clearance to extend the data collection period due to delays encountered with the COVID-19 pandemic.

Currently in the United States, there are more than 12,000 synthetic turf fields in use. While the Synthetic Turf Council has set guidelines for the content of crumb rubber used as infill in synthetic turf fields, manufacturing processes result in differences among types of crumb rubber. Additionally, the chemical composition may vary highly between different processes and source materials and may vary even within granules from the same origin.

The research protocol, Collections Related to Synthetic Turf Fields with Crumb Rubber Infill, has been conducted previously under two information collection requests (ICRs): Activity 1 under OMB Control No. 0923-0054 (expiration date 01/31/2017) and Activities 2 and 3 under OMB Control No. 0923-0058 (expiration date 08/13/2018), which were limited to collections from August to October, 2017. Activities 2 and 3 aimed to evaluate and characterize the human exposure potential to constituents in crumb rubber infill among a convenience sample of 60 field users (Activity 2) and to collect biological specimens (blood and urine) from 45 participants (Activity 3). Due to the limited enrollment and collection period, the target Activity 2 and Activity 3 sample sizes were not met in 2017.

The current request seeks to conduct supplemental measurements to expand the exploratory analysis conducted under OMB 0923-0058. The current request allows for further investigation of patterns observed in the preliminary data from the 2017 pilot-scale exposure measurements of individuals playing on synthetic turf fields with crumb rubber infill and includes collecting data from a small number of individuals who play on grass fields.

In December 2020, ATSDR submitted a change request to OMB to incorporate COVID-19 prevention and protection measures. The change request was approved on 2/22/2021. The COVID-19 prevention and protection measures will be implemented before data collection begins.

The current study is a larger-scale supplemental assessment of exposure potential for individuals who use/play on synthetic turf fields with tire crumb rubber infill. The study includes persons who use synthetic turf with crumb rubber infill (e.g., facility users) and who routinely perform activities that would result in a high level of contact to crumb rubber. The study also includes persons who use natural grass fields. This allows for evaluation of potential high-end exposures to constituents in synthetic turf among this group of users and for comparison to individuals who do not play on synthetic turf fields with tire crumb rubber infill. The respondents are administered a detailed questionnaire on activity patterns on synthetic turf with crumb rubber infill. This instrument allows ATSDR to characterize exposure scenarios, including the nature and duration of potential exposures. Additionally, we are collecting urine samples pre- and post-activity. The urine samples will be analyzed for polyaromatic hydrocarbons and then archived for future analysis.

For the extension request, there are no changes to the instruments, the total burden hours, and to the total number of respondents. The research study aims to screen a total of 220 participants for eligibility. The sample size for synthetic turf field users is 150 and 50 for the natural grass field users. The total burden hours for the research study is 184 hours among all of the 220 respondents. There is no cost to the respondents other than their time in the study.

Estimated Annualized Burden Hours

Type of Respondents	Form Name	No. of Respondents	No. of Responses per Respondent	Avg. Burden per Response (in hrs.)
Adult/Adolescent Facility Users	Eligibility Screening Script	110	1	5/60
	Adult and Adolescent Questionnaire	100	1	30/60
	Exposure Measurement Form	100	1	20/60
Parents/Guardians of Youth/Child Facility Users	Eligibility Screening Script	110	1	5/60
	Youth and Child Questionnaire	100	1	30/60
Youth/Child Facility Users	Exposure Measurement Form	100	1	20/60

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