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HAWKINS & ASSOCIATES ENGINEERING, INC.

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December 23, 2011

Mr. Patrick Snyder
Permit & Enforcement Section
Waste Tire Management Branch
Special Waste Division –CIWMB
P.O. Box 4025
Sacramento, CA 95812-4025

Re: Boomers Livermore: Race Track – Tire Safety Barriers

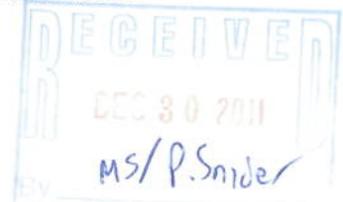
Dear Mr. Snyder,

Hawkins & Associates Engineering, Inc. has been assisting Boomers Staff in working with the California Integrated Waste Management Board, to allow the continued use of used tires as safety barriers on the inside and outside of the go-kart track for the potential loss of control of the racing go-karts. The used tires are tied to one another and provide a sound and very economical source for shock absorption of go-karts that may veer of the race track. We consider this to be a beneficial use of the used tires, however to conform with State Law we must demonstrate that we comply with 14 CCR 17346 (f) subsection 1 and 2, therefore please review the following:

14 CCR 17346 (f)(1) States – Beneficial reuse of altered tires is permitted provided the beneficial use does not pose a threat to public health, safety and the environment.

In order to demonstrate compliance to this section, please find included herewith three letters:

- 1) Letter from City of Livermore Planning Department, dated 12/16/11 which states that the use of the tire barrier is consistent with City Zoning Ordinances and is approved under the current Boomers Planning Permits.
- 2) Letter from the Livermore – Pleasanton Fire Department, dated 12/12/11, which states that they have inspected the tire barrier and have no objection to their use.
- 3) Letter from Matrix Pest Elimination, dated 12/9/11, which states they have inspected the tire barriers and found no evidence of vector infestation.



14 CCR 17346 (f)(2) States - In order to qualify as a beneficial use, the proposed use must employ one or more of the engineering properties of waste tires and provide equal or superior performance or lower cost relative to conventional technologies and the proposed use must be approved in writing by a registered civil engineer.

Since the speed of the go-karts, ranging from 20-25 mph is not very significant compared to most cars used in race tracks, the safety barrier needs to accomplish one goal. That is to provide protection for the racers in the event that they veer off the race track. Potentially, these technologies include:

Airbags – Airbags are extremely expensive to purchase and install, especially for a go-kart. In our case, airbags would not only be a more expensive alternative, but would be useless due to the lack of speed of the go-karts and the small impact cause by the loss of control of the go-karts.

Straw Bales – Straw bales can be an effective alternative in the right circumstances. However, loose straw caused by karts hitting the bales may disperse onto the race track and the surrounding area making it an unsightly nuisance and requiring continued maintenance.

Used Tires – Rubber tires are used as effective crash cushions because they are made of compressible materials. This makes the tires effective at absorbing the energy of a go-kart which serves to prevent injury to participants of the go-kart track at an extremely low cost. This constitutes as a beneficial use for used tires on the race track. When the used tires have lost their resiliency they are exchanged for other used tires. In that way they are ultimately recycled.

Tires have been used as a safety barrier at the go-kart track at Boomers since 1993. Since the opening of the park, used tires have effectively prevented injury on the race track along with providing a cost effective way of providing safety to the participants. Since used tires have been found to function as effective crash cushions and are reusable without contaminating the environment of the park, one can conclude that their use provides a sound use in this application.

There are approximately 801 tires lined on the inside and outside of the go-kart track. They are lined up one tire wide and stacked one tire high with a height of each tire ranging from 14 to 16 inches. The tires lie on the track between steel track lining and a steel pin and cushion around both sides of the track. (See attached pictures.)

It is my professional opinion that the use of recycled tires as crash cushions at the go-kart track at Boomers meets the requirements set in 14 CCR 17346 (f) for beneficial reuse. The use of the tires in this case serves for both the safety of the participants and is environmentally safe. The tires provide equal performance at a much lower cost compared to other technologies.

If you have any questions regarding this information, please feel free to contact me.

Sincerely,

Rodrick H. Hawkins, R.C.E. 50188
President

Attachment

cc: Anthony Camerena - Boomers

RH/vb



December 16, 2011

Terrance Trotter, General Manager
Boomers!
2400 Kitty Hawk Road
Livermore, CA 94550

Re: Zoning Verification of the Use of Rubber Tires on the Family Race Track

Dear Mr. Trotter:

Please accept this letter as confirmation by the City of Livermore Planning Division that the use of rubber tires along the perimeter of the family race track is consistent with current zoning regulations and approved Planning permits for the Boomers facility.

If you have any questions, please do not hesitate to call me at (925) 960-4473.

Respectfully,

A handwritten signature in black ink, appearing to read "Scott Lee".

Scott Lee, AICP
Senior Planner



December 12, 2011

Anthony Camarena, Assistant General Manager
Boomers
2400 Kittyhawk Rd
Livermore, CA 94550

Re: Boomers, 2400 Kittyhawk Rd, Livermore – Race Track Tire Safety Barriers

Dear Mr. Camarena,

I have reviewed your utilization of used tires as part of your existing safety barriers for the race track at your facility. The Livermore-Pleasanton Fire Department (LPFD) Fire Prevention Bureau has no fire safety or life safety objections to the use of used tires for a safety barrier.

This is based on the current facility configuration and the safety barriers observed during my most recent site visit on December 9, 2011.

If you have any questions, please, contact me at (925) 454-2334.

Regards,

A handwritten signature in black ink, appearing to read 'Isaac Mendel', written in a cursive style.

Isaac Mendel
Fire Inspector



P.O. Box 2882
Dublin, CA 94568
Phone 925-484-0583
Fax 925-462-0240

Boomers
2400 Kitty Hawk Road
Livermore, CA 94550

December 9, 2011

TO: Anthony Camarena
RE: Inspection Report

Anthony

On December 8, 2011, an inspection was performed at your location to determine whether or not there were any mosquito breeding sites.

The entire go-kart / racetrack area, including all tires utilized as bumpers, was thoroughly inspected. Upon completion, it has been determined that there is no presence of any mosquito activity.

This inspection was completed by Matrix employee, Thomas Loiselle on 12/08/2011 at 7:50 pm.

Regards,

Paul Maggi
CEO

State of California
California Integrated Waste Management Board

Tire Program Identification Number

1587061-01

Boomers
2400 Kittyhawk Road
Livermore, CA 94550

SITE ADDRESS:
2400 Kittyhawk Road
Livermore, CA 94550

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