



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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October 5, 2010

Ms. Susan Billings  
Central Regional Office, Air Quality Program  
Washington Department of Ecology  
15 West Yakima Avenue  
Yakima, WA 98902

Dear Ms. Billings:

**Re: Second Tier Petitions by Sabey and Blackrock Data Centers, East Wenatchee (Douglas County)**

The Air Quality Program Headquarters has completed an evaluation of health risks from diesel engine exhaust particulate (DEEP) emissions from the proposed Sabey and Blackrock data centers in East Wenatchee, Washington.

Our evaluation indicates that the proposed Blackrock Data Center could result in an increased risk of lung and bladder cancer of up to  $2.4 \times 10^{-6}$  (2.4 in one million) at the maximally impacted residence. The Sabey Data Center could result in an increased risk of lung and bladder cancer of up to  $1.5 \times 10^{-6}$  (1.5 in one million). The combined DEEP emissions from Sabey and Blackrock could result in an increased lung and bladder cancer risk of up to  $3.9 \times 10^{-6}$  (3.9 in one million) at the maximally impacted residence. This maximally impacted residence is the location most likely to sustain the highest additional risk from data center emissions.

We have determined that the potential cancer risks from the two proposed data centers are acceptable, according to the guidelines found in Chapter 173-460 Washington Administrative Code (WAC). Additionally, acute and chronic exposure to particulate diesel emissions from the proposed projects is not likely to result in significant adverse non-cancer health effects.

Therefore, on the basis of the enclosed technical evaluation, I approve Sabey and Blackrock's second tier petitions, and recommend approval of the proposed projects conditioned on the incorporation of our findings into Ecology's final decision on the notice of construction application.

Under state regulations, Ecology must hold a minimum 30-day public comment period on the proposed notice of construction approval order and to present the results of the second tier



review process. Please initiate the public comment period on the notice of construction application as soon as you are ready to do so.

If you would like to discuss this project further, please contact David Ogulei at (360) 407-6803 or [david.ogulei@ecy.wa.gov](mailto:david.ogulei@ecy.wa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Johnston".

Jeff Johnston, Ph.D.

Science & Engineering Section Manager

do/

Enclosure

cc: Charles Maikish, Blackrock, Inc.  
John Ford, Sabey Data Center Properties, LLC  
Jim Wilder, ICF International  
David Ogulei, Air Quality Program