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Tel.: +1 514-954-8219 ext. 6276

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19 December 2011

Mr. Alexander A. Korolkov
Director
Civil Aviation Environmental
Safety Center Ecoflight (CJSC)
ZAO «CEB GA»
Abonentskij Jashik № 21
Moscow
Russian Federation 105264

Dear Mr. Korolkov,

I have the honour to inform you that the ICAO Committee on Aviation Environmental Protection (CAEP) Modelling and Databases Group has completed its review of the "PEGAS"¹ local air quality software tool developed by the Russian Federation Civil Aviation Environmental Safety Center and has found it to be sufficiently robust, rigorous, transparent, and appropriate for CAEP local air quality analyses. The evaluation process considered the tool's ability to support an emissions inventory and a dispersion analysis.

It is anticipated that this finding will be accepted by the CAEP meeting in February 2013 and that the PEGAS tool would subsequently be listed in the report of the Ninth Meeting of the Committee on Aviation Environmental Protection and in the 2013 edition of the ICAO Environmental Report along with the other previously evaluated airport local air quality models: ADMS, ALAQS, AEDT/EDMS, and LASPORT.

¹ The "PEGAS" LAQ software tool developed by Yury V. Medvedev of the Civil Aviation Environmental Safety Center is based on the two following procedures approved by the Ministry of Transport of the Russian Federation:

- 1) "Method for engine emission calculation for civil aviation aircraft", Vladimir V. Medvedev, Oleg A. Kartyshev, Oleksandr I. Zaporozhets, Boris N. Mechnikov (CJSC "Civil aviation environmental safety center" and State Scientific Research Institute of Civil Aviation), 2008; and
- 2) "Procedure of calculation the pollutants concentration from the aircraft engine emissions in the airport area", Oleg A. Kartyshev, Yury V. Medvedev, Oleksandr I. Zaporozhets, Vladimir V. Medvedev (CJSC "Civil aviation environmental safety center" and State Scientific Research Institute of Civil Aviation), 2009

As the CAEP report and the ICAO Environmental Report represent the public communication of the model evaluation process, this letter is for your internal information purposes only and should not be made available to the public.

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Jane Hupe', written over a horizontal line.

Jane Hupe
Secretary, CAEP