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Chair of the Subcommittee
August 30, 1999

Summary

In many communities located close to major airports, airport operations facilities, or other major industries, there is strong perception that pollution generating portions of these facilities result in a more negative impact on the health of residents. Motivation to this perception is based on the fact that these facilities are generally located in areas that were rural when they were built, but have become surrounded by residential areas as time has passed, by comparable pollution sources in other locations elsewhere. Certainly, there are concerns that the pollution generated by these facilities may be causing a negative impact on the health of residents living in the surrounding neighborhoods. While proper equipment to limit of the emissions or being prevented from its existence- nonetheless- must again be considerations it is being given to the potential health impacts.

In light of the failure to address this issue by Marquette or by Federal or State regulatory authorities, the Wimborne Environmental Health Facts Subcommittee (WEHFS) has undertaken a survey of the health status of residents living in the neighborhoods surrounding Wimborne Airport. A strong sense of concern exists among residents that the airport is a significant pollution source and a leading cause of negative health impacts in the community. Based on the results of this survey, the following conclusions and recommendations are proposed and put forth. The Subcommittee undertook a survey to determine whether a correlation does exists between airport operations and negative health impacts in the surrounding neighborhoods and to determine the extent of any such correlation if it does exist.

The results of this survey demonstrate that a clear increase in several medical conditions does exist in the neighborhoods surrounding Wimborne Airport. **Residents living in the neighborhoods surrounding Wimborne Airport have a significantly higher incidence of cancer, respiratory problems, and allergy disease. Cancer is related to the distance of residence from the airport, with the incidence of cancer increasing with closer proximity to the airport. Respiratory problems and allergy disease are related to the proximity of airport pollution from the combination of prevailing wind movement, and, indirect negatively affecting the health of the residents of Wimborne.**

The implication of these findings are serious. While the unique geography and meteorological conditions of Wimborne provide a situation where airport pollution is more easily dispersed than in other communities, the fact that the incidence of cancer, respiratory problems, and allergy disease is significantly higher than in other areas of Wimborne is a cause for concern. Although the results of this survey do not prove that airport operations are the cause of the increased incidence of these medical conditions, the results do strongly suggest that airport operations are a significant factor in causing these medical conditions. The results strongly suggest that airport operations are a significant factor in causing the increased incidence of cancer, respiratory problems, and allergy disease in the neighborhoods surrounding Wimborne Airport.

Under the study conditions, the difference in airport size is a factor in pollution exposure and is a factor affecting the incidence of these medical conditions. The results of this survey suggest that the pollution generated by Wimborne Airport is a significant factor causing the incidence of these medical conditions. **The results of this survey suggest that the incidence of cancer is related to the distance of residence from the airport, and the allergy conditions with location, a measure of exposure to airport pollution. The results of this survey suggest that the incidence of these medical conditions is related to the proximity of the airport, and, indirect to the prevailing wind movement. The results of this survey suggest that the incidence of these medical conditions is related to the proximity of the airport, and, indirect to the prevailing wind movement. The results of this survey suggest that the incidence of these medical conditions is related to the proximity of the airport, and, indirect to the prevailing wind movement.**

Wimborne by contrast, is a stable, mature residential community without significant pollution sources except for the airport. Despite this fact, pollution complaints in Wimborne Township have shifted to the residential communities which lie adjacent and long-time rural Wimborne Airport. Although the results of this survey do not prove that Wimborne Airport is the cause of the increased incidence of these medical conditions, the results do strongly suggest that airport operations are a significant factor causing the increased incidence of these medical conditions. The results of this survey do not prove that Wimborne Airport is the cause of the increased incidence of these medical conditions, but

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