



Doug Hindman  
Chair

Chemical Demilitarization Citizens' Advisory Commission  
Chemical Destruction Community Advisory Board  
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Kent Clark  
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To: Lieutenant Colonel Steve Basso, Commander, BGCA  
Fr: KY CAC/CDCAB  
Date: 26 March 2012  
Re: IFS @ BGCA

Dear Lieutenant Colonel Basso,

First, we would like to acknowledge the efforts of you, your staff and consultants in providing information and transparency regarding the Igloo Filtration System Study (IFS) that has taken place at the Blue Grass Chemical Activity (BGCA). We appreciate that the Monitoring Working Group (MWG) of the Kentucky CAC/CDCAB (Citizens Advisory Commission/Chemical Destruction Citizens Advisory Board) has been provided the opportunity to be fully engaged in the IFS process.

With this in mind, we provide you the following observations and recommendations:

**Observations:**

- 1) The MWG understands BGCA's objectives of the IFS were to:
  - Determine the need, if any, for additional humidity control by adding dehumidifiers or other equipment;
  - Identify the need, if any, to further mitigate mold and moisture on pallets in the igloos;
  - Contain airborne agent within the igloo whether or not powered equipment is operating
- 2) The MWG recognizes that the IFS showed no appreciable variation in humidity levels with or without any additional equipment being installed in or on the igloos.
- 3) The MWG recognizes that the IFS also showed no appreciable variation in humidity levels with the igloo vents open or closed provided leaking igloos are "tarpred" or otherwise modified to prevent seepage.
- 4) The MWG recognizes that, according to the Quantitative Risk Assessment (QRA) done in connection with the IFS that the risk to BGCA and BGCAPP workers or the public under current storage conditions is extremely small.
- 5) The MWG believes that occurrences outside those considered within the boundaries of the QRA are highly unlikely but such anomalies are within the realm of possibility.
- 6) The MWG recognizes one of the objectives of the IFS was to identify methods to contain airborne agent within the igloo whether or not powered equipment is operating.

Therefore the MWG makes the following:

**Recommendation:**

- 1) Vents on all BGCA igloos containing chemical agent should be closed.
- 2) Steps should be taken to ensure that the vents function as designed and are properly maintained.
- 3) Any increase in igloo inspection that might be deemed appropriate due to the vent closures should be initiated.

Signed:

Dr. Douglas Hindman, Chair  
Kentucky Chemical Demilitarization Citizens Advisory Commission

Kent Clark, Co-Chair  
Kentucky Chemical Destruction Citizens Advisory Board

Craig Williams, Co-Chair  
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