

ENVIRONMENTAL PROTECTION
AGENCY
08 FEB 2002

Patrons:
Dr. Patrick J. Hillery
Prof. Declan Kennedy,
Prof. Risteard Mulcahy

Irish
Doctors
Environmental
Association

I
D
E
A



Chair: Dr. Philip Michael
Dr. Liz Cullen
hon treasurer: Dr. Patrick
O'Sullivan
hon secretary: Dr. Uwe Hild
correspondence: IDEA,
38 New Street, Killarney, Co.Kerry
e-mail: drhild@tinet.ie
Tel.: 064-37541

Please reply to



Thomastown

Kilcullen

Co/Kildare

9/1
7/2/2

Re: Waste Licence Application reference 167-1

Dear Sir,

On behalf of Irish Doctors Environmental Association, I would like to state our concern at the proposal to site a Waste Management facility at Carranstown, Duleek, Co. Meath, and lodged by Indaver Ireland on 5-12-2001.

We have concerns regarding possible adverse health effects from incineration. We believe that permitted emission levels of compounds from incinerators are often based on what technology can achieve and not on health effects. Furthermore, we are concerned regarding possible adverse health effects caused by both particulate matter less than 10 microns in diameter and mixed brominated and chlorinated bi-phenyls, for which we understand that there are no guidelines to regulate emissions. Recent research has incriminated particulate matter less than 10 microns in diameter, in the causation of both cardiovascular and respiratory disease. These small particles are chemically highly reactive and they increase the coagulability of blood. Furthermore, their small size enables them to travel far down into the lungs, to the site where oxygen exchange occurs. This small size relative to their surface area also leads to a large area for release of metals, dioxins and other chemicals. I understand that only 5-30% of particles less than 2.5 microns can be collected from

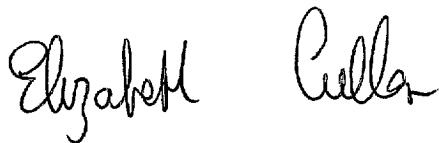
For inspection purposes only.
Consent of copyright owner required for any other use.

incinerator emissions at present. Brominated bi-phenyls appear to be at least as toxic as their polychlorinated counterparts.

We believe that the Irish health system as presently constituted is not in a position to adequately monitor the known and potential environmental hazards to health, from incineration. We would be happy to discuss any of these issues with you in more detail, should you require.

Best wishes

Yours sincerely



Dr. Elizabeth Cullen

Diploma in Pollution Control (Open)

Co-chair

Irish Doctors' Environmental Association

For inspection purposes only.
Consent of copyright owner required for any other use.