Comment for planning application WSCC/036/20

| Application number | WSCC/036/20 |
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| Name | Marcus Bray |
| Address | MAY CLOSE, 12, MAY CLOSE, LITTLEHAMPTON, BN17 5TF |
| Type of Comment | Objection |
| Comments | The location of an incinerator can significantly affect dispersion of the plume from the chimney, which in turn affects ambient concentrations, deposition and exposures to workers and the community. In addition to addressing the physical factors affecting dispersion, siting must also address issues of permissions/ownership, access, convenience, etc. Best practices siting has the goal of finding a location for the incinerator that minimizes potential risks to public health and the environment (EPA 1997). This can be achieved by: Minimizing ambient air concentrations and deposition of pollutants to soils, foods, and other surfaces, e.g., o Open fields or hilltops without trees or tall vegetation are preferable. Siting within forested areas is not advisable as dispersion will be significantly impaired. o Valleys, areas near ridges, wooded areas should be avoided as these tend to channel winds and/or plumes tend to impinge on elevated surfaces or downwash under some conditions. Minimizing the number of people potentially exposed, e.g., o Areas near the incinerator should not be populated, e.g., containing housing, athletic fields, markets or other areas where people congregate. o Areas near the incinerators should not be used for agriculture purposes, e.g., leafy crops, grasses or grains for animals. Appropriate sizes for buffer surrounding incinerators are based on dispersion modeling (Section 6.4.5). For typical small-scale units, especially if nighttime operation may occur, a 500 to 750 m buffer surrounding the facility is advisable to achieve dilution ratios above 1000. During the day, a 250 m buffer should obtain the same dilution ratio. These distances are based on ideal conditions, e.g., relatively flat and unobstructed terrain." |
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| Attachments | |