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by Tt Tt

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Superfunds sites

Name:

Superfund sites are often considered the most polluted areas around the United States, requiring intense cleaning of dangerous and harmful materials. Therefore, such areas were identified and placed under a different organization, such as the comprehensive environmental response, the liability act, and compensation, to improve their condition and prevent harm to the people. According to the new jersey state, the various listed superfund sites identified are 114 in number, including the American Cyanamid, Bog Creek Farm, and Asbestos Dump in different municipalities that contributed to environmental degradation.

The American Cyanamid Company

This was one of the greatest American Companies founded by Frank Washburn in 1907. The company was initially established to produce pesticides which later shifted to manufacture industrial chemicals and synthetic fibers with other products. The company is currently in use by the TD bank ballpark and Bridgewater promenade shopping center that often attract the majority of the population requiring services at these sites. The need to fund the cleaning of this company is due to increased potential hazards following massive pollution as a result of chemical and dye production. In addition, a great concern in this area is water pollution from the existing ponds initially used as waste storage areas by the company.

Solution

The possible engineering solution towards cleaning the site involves the process of deep excavation and dewatering the stated ponds and finally shipping off the waste from the areas for effective treatment and later disposal.

Bog creek farm superfund

This was a contaminated area in Monmouth, which mainly comprised of a trench and similar to the American Cyanamid a pond and a bog. The possible reason for funding the bog creek superfund was that they lacked enough money for the clean-up process. This superfund

site was used by people to dispose of used and unwanted paints, among other chemicals. The efforts made to do the cleaning up of the site were among and included: removing the dirty water and other residuals out of bogs and ponds, resorting and closing up bogs and ponds, excavating the infected material deposits and some parts of the soil components that are contaminated. Up to now, the cleaning up of this site has been to remove the disposed waste in pits and incineration of infected soil components and other residuals.

Solution

Some of the engineering solutions that are incorporated to clean up this site are to examine technological innovations for treatment of the remnant soil if required, construction of an electric fence around the area of work.

Asbestos Dump

These site areas are risky areas of waste products. It was earlier used for longer periods of years for disposal of broken Asbestos and other refuse from the manufacturers. These refuse and waste products were filled at the site's surface as part of the mound. The asbestos dumpsite had three satellite sites that were located on different roads. Asbestos is a great danger to human life during the clean-up process, and not all the refuse can be excavated since it requires a lot of funds to prevent this; this site needs to be funded. The maintenance of these site activities has been performed on all three sites. According to the reviews that were done, certain measures were put in place so as to protect human health and the normal functioning of the environment.

Solution

Clean-up activities that were performed at this site were among some of the engineering solutions such as erecting fences, making slopes asbestos mounds stable, incorporating soil covers in areas that are exposed to asbestos material. Use of caps, getting

rid of asbestos refuse on the ground's surface. The materials that were excavated by the individuals working on the site were deposited to the offsite of the landfill.

References

Environmental Protection Agency. (n.d.). EPA. Retrieved December 6, 2021, from
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