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ANHEUSER-BUSCH COMPANIES

Anheuser-Busch, Inc.

Company Information

Anheuser-Busch, Companies, Inc. is a St. Louis-based corporation with subsidiaries that include the world's largest brewing organization, the second-largest U.S. manufacturer of aluminum beverage containers and one of the largest theme park operators. In addition to being the world's largest recycler of aluminum beverage containers, it also has interests in malt production, rice milling, real estate development, turf farming, multimedia production services, metalized and paper label printing, railcar repair and transportation services. The company has more than 24,000 employees, nearly 65,000 shareholders, and yearly gross sales of almost $13 billion.

Anheuser-Busch, Inc., the brewing subsidiary of Anheuser-Busch Companies, Inc., has a brewing history of nearly 150 years and has led the U.S. brewing industry in sales since 1957. The St. Louis Brewery has operated since 1852. It produces approximately 14 million barrels of beer annually, encompasses over 40 acres, and has a plant population of 1,780 employees.

Risk Management Planning

The Environmental Protection Agency (EPA) Risk Management Plan (RMP) Rule created a regulation called Risk Management Program as required by an amendment to the Clean Air Act. The RMP rule requires facilities with certain quantities of chemicals and other regulated substances on a specific EPA list to disclose certain information. Those facilities must make publicly available their emergency response programs, which include plans to prevent and minimize the effect of incidents; five-year accident histories for the listed chemicals; and "worst-case" and "alternative case" scenarios related to potential releases. This information will be written in a risk management plan. The scenarios take into account potential quantities released, weather, wind direction, and wind speed. The worst case scenarios assume complete failure of all safety controls and systems and no emergency response. It is important to note that these scenarios are highly unlikely. The deadline for submitting risk management plans to the EPA is June 21, 1999. The Anheuser-Busch, Inc. St. Louis Brewery has only one of the 140 chemicals identified by the EPA above the threshold quantity.

The Anheuser-Busch, Inc. St. Louis Brewery has compiled its accident release history for the RMP listed chemical for the last five years. According to the RMP rule, the accident release history must include all accidental releases from covered processes that resulted in death, injuries, property damage, evacuations, sheltering-in-place, or environmental damage. Accidental releases as defined by the EPA means an unanticipated emission of a regulated chemical into the environment from a stationary source. The five year accident history, as defined by the RMP, for the Anheuser-Busch, Inc. St. Louis Brewery is as follows:

YEAR	1994	1995	1996	1997	1998
Number of RMP Releases	0	0	0	0	0

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Example RMP Accidental Release Scenarios for the Anheuser-Busch, Inc. St. Louis Brewery

The RMP rule defines a worst case release as the hypothetical, entire release of the largest quantity container of an RMP-listed material within 10 minutes. It assumes weather conditions that would maximize its impact, complete failure of all safety controls and systems, and no emergency response. Because these worst case scenarios are extremely unlikely, the RMP rule also provides for the development of an alternative release scenario. These alternative release scenarios depict a more credible release of an RMP listed chemical and consider safety systems that are in place.

Chemical	About the Chemical	Accident Prevention In-Place	Example Event	Scenario	Distance of Concern (1)	Emergency Response Measures
Anhydrous Ammonia	Ammonia is a colorless gas. It is lighter than air, has the strong odor of household ammonia, and it is corrosive. Ammonia is used as a household cleaner, fertilizer, and as a refrigerant in industrial refrigeration systems. Anheuser-Busch, Inc. uses ammonia as a refrigerant for cooling beer and beer processing areas.	The Anheuser-Busch, Inc. Process Safety Management/Risk Management program contains the following elements: • company policy • employee participation • process safety information • process hazard analysis • operating procedures • training • pre-startup safety review • mechanical integrity • hot work permit procedures • management of change • incident investigation (local and system wide • emergency planning and response • compliance audit • management systems • hazard assessment • accident history • risk management plan	Alternative Release Scenario	Release from a pressure relief valve under weather conditions as defined by EPA. Release of 400 lb. in 10 minutes.	0.1 miles	Proper design, operation, and maintenance of the ammonia refrigeration system should significantly decrease the likelihood of an accidental release of ammonia. However, in the event of an release of ammonia, Anheuser-Busch, Inc. St. Louis Brewery has developed an emergency response plan. The details of the plan were worked out with the City of St. Louis Fire Department and include: • ammonia consequence assessment • procedures for informing the public and local authorities of any releases • site response procedures to protect workers and minimize the offsite consequences • organization, responsibilities, and training of responsible persons • internal alarms • evacuation and emergency response training drills • emergency valve closures and equipment shutdown • pressure relief valves • rupture disk with alarms • containment of releases • fire protection equipment operation • protective gear; and • spill cleanup
Anhydrous Ammonia	As Above	As Above	Worst Case Release Scenario	Failure of transfer line under worst-case weather conditions as defined by EPA. Complete failure of all safety controls and systems. No emergency response. Total release of liquid distribution system. Release of 38,535 lb. in 10 minutes.	2.3 miles	As Above

(1) RMP Distance of Concern: The distance a toxic vapor cloud, fire, or explosion from an accidental release will travel before dissipating to the point that serious injuries from short-term exposures will no longer occur. Data developed by EPA or computer models were used to simulate conditions and arrive at the distance.

The sharing of this information is intended to improve community understanding of local industries and promote an informed dialogue on their chemical accident prevention practices. It is not a prediction of the probability that any scenarios discussed will ever occur. The information is based upon the Risk Management Plan being prepared for Anheuser-Busch, Inc. St. Louis Brewery. Descriptions in the final Risk Management Plan submitted in June, 1999 may differ from these descriptions due to revisions.

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