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Geodesic dome



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Greensboro; USA 2010



- Full-surface fire due to lightning strike
- Tank dia. 51 feet (15,5 m.)
- 924,000 gallon gasoline

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The incident

- Shortly before midnight a major storm front with hard rain and lightning and tremendous thunder
- Failure of electric grounding system tank No. 819
- First arriving units found fire showing through the geodesic dome
- After a while the combustion became more complete and the fireball became more visible than the smoke plume
- In addition to losing the geodesic dome the tank lost its floating roof

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Foam on the way

Max 2000 GPM/7670 ltr.

- Pump rate to empty the tank 5,000 barrels per hour
- Reduce liquidlevel 10-to-12 feet before attack
- NFPA/ fire department: Applicationrate 804 gallons per minute (10,4?)
- Application time: 65 minutes
