Cleanup
1. EPA regulations require Superfund sites to be cleaned up to such a level that the risk of cancer from exposure to any residual contaminants is equivalent to the risk of dying from which of the following?

1. Living two months with a cigarette smoker

2. Traveling 300 miles by car

3. Flying 1000 miles by jet

4. Traveling 6 miles by canoe

5. All of the Above
1. EPA regulations require Superfund sites to be cleaned up to such a level that the risk of cancer from exposure to any residual contaminants is equivalent to the risk of dying from which of the following?

   1. Living two months with a cigarette smoker
   2. Traveling 300 miles by car
   3. Flying 1000 miles by jet
   4. Traveling 6 miles by canoe
   5. All of the Above

2. Past practices at the PGDP resulted in the spilling of two contaminants: Trichloroethylene (TCE) and Technetium 99 (Tc99) into the groundwater. As of 2000, how much groundwater has been contaminated?

1. Enough to fill 1000 Olympic size swimming pools
2. Enough to fill 5000 Olympic size swimming pools
3. Enough to fill 10,000 Olympic size swimming pools
4. Enough to fill 16,000 Olympic size swimming pools
5. Enough to fill 20,000 Olympic size swimming pools
2. Past practices at the PGDP resulted in the spilling of two contaminants: Trichloroethylene (TCE) and Technetium 99 (Tc99) into the groundwater. As of 2000, how much groundwater has been contaminated?

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Reference: General Accounting Office {April 29, 2000: GAO/RCED-00-96}
3. If all the residual sources of TCE in soils and groundwater inside the PGDP facility were to be removed, approximately how long would it take for the maximum concentration of TCE in the groundwater plume outside of the plant to drop below the EPA maximum contamination level?

1. 5 years
2. 10 years
3. 30 years
4. 50 years
5. 100 years
3. If all the residual sources of TCE in soils and groundwater inside the PGDP facility were to be removed, approximately how long would it take for the maximum concentration of TCE in the groundwater plume outside of the plant to drop below the EPA maximum contamination level?

1. 5 years
2. 10 years
3. 30 years
4. 50 years
5. Over 100 years

Reference: KRCEE – Property Acquisition Study for Areas near the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, April 2007
4. Non hazardous waste from the ongoing operations and cleanup at the PGDP are currently being placed where?

1. **Disposed** on DOE property in a landfill

2. Dumped in the Ohio River

3. Shipped to another location out of state

4. Stored in the Paducah Landfill

5. There are no non-hazardous wastes
4. Non hazardous waste from the ongoing operations and cleanup at the PGDP are currently being placed where?

1. *Disposed* on DOE property in a landfill

2. Dumped in the Ohio River

3. Shipped to another location out of state

4. Stored in the Paducah Landfill

5. There are no non-hazardous wastes
4. Non-hazardous waste from the ongoing operations and cleanup at the PGDP are currently being placed where?

1. Stored on DOE property in a landfill
2. Dumped in the Ohio River
3. Shipped to another location out of state
4. Stored in the Paducah Landfill
5. There are no non-hazardous wastes
5. The total waste volume estimated to be produced from the demolition of the existing facilities at the PGDP could fill how many football fields a yard deep?

1. 100
2. 550
3. 675
4. 1,000
5. 1,500
5. The total waste volume estimated to be produced from the demolition of the existing facilities at the PGDP could fill how many football fields a yard deep?

1. 100
2. 550
3. **675**
4. 1,000
5. 1,500

Reference: 3,596,000 cubic yards from DOE CERCLA Waste Disposal Alternatives RI/FS Workplan
6. Approximately how much more does shipping all the PGDP off-site waste cost than burying the waste in an on-site landfill?

1. Twice as much
2. Three times as much
3. The same
4. One half as much
5. One third as much
6. Approximately how much more does shipping all the PGDP off-site waste cost than burying the waste in an on-site landfill?

1. Twice as much

2. Three times as much

3. The same

4. One half as much

5. One third as much

Reference: DOE, based on shipping 2,640,000 cubic yards at $1.1 billion
Non hazardous waste from the ongoing operations and cleanup at the PGDP are currently being placed where?

1. Stored on DOE property in a landfill
2. Dumped in the Ohio River
3. Shipped to another location out of state
4. Stored in the Paducah Landfill
5. There are no non-hazardous wastes

Possible Sites for On-Site Waste Disposal Cell
Figure 5.4. Conceptual Design Cross Sections
7. According to the Kentucky Division of Waste Management, once the PGDP site is cleaned up, what regulatory steps would be triggered if additional contamination was discovered off-site?

1. A new site investigation would be mandated by EPA
2. Any new property owners would be responsible
3. The site would be closed
4. The site would be placed back on the NPL Superfund list
5. Nothing
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5. Nothing

Reference: Kentucky Division of Waste Management