HINKLEY, CA AND PACIFIC GAS AND ELECTRIC CO, GROUNDWATER CONTAMINATION

Dominic Erich Hauptman, CONS 387 Water & Wastewater Treatment, Dr. Adrienne Rygel, Spring 2023

Introduction

The Hinkley groundwater contamination was started by the Pacific Gas & Electric Company.

Effects on the public

These chemicals caused cancer, mental illness, and depression resulting in

The effects on the environment are very noticeable as the chromium

The people of Hinkley itself shirking in both population and size (3).

leached into the ground, water, and even effected the air (1).

- They dumped a large volume of hexavalent chromium (chromium-6) into an unlined pond (2).
- This affected residents of Hinkley as PG&E practiced this behavior in the span of two decades (50s-60s).
- The contamination adverse effect on the locals (1).



Figure 2 protest sign



Figure 1 Warning sign in Hinkley

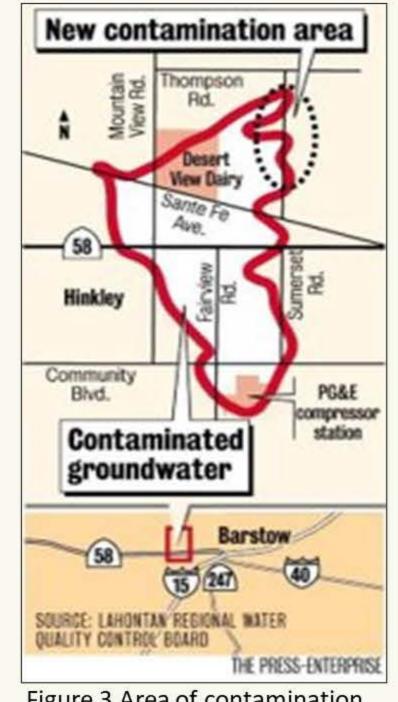


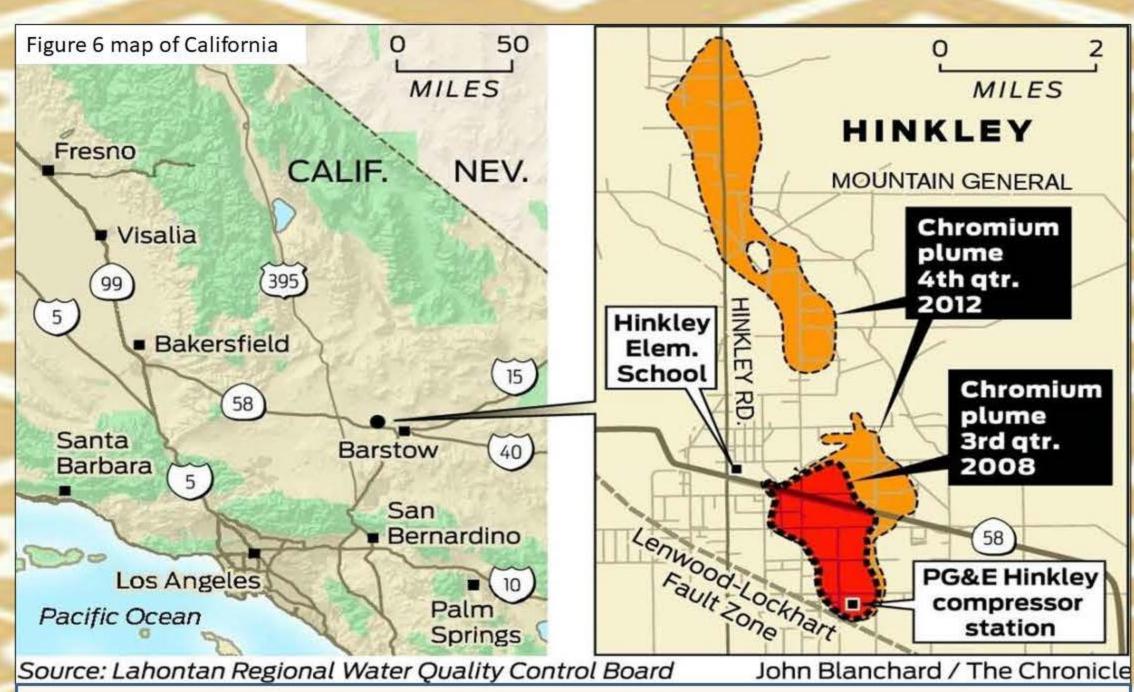
Figure 3 Area of contamination

Lawsuit

- The town after decades of adverse health effects prepared a legal defense against PGE.
- Resulting in 1996 with the company legally having to pay the victims 333 million dollars (6).



Figure 5 Hinkley residents protesting



Hinkley

- Hinkley California is a dry settlement in the heart of the Mojave dessert
- This makes water a very valuable resource for the community (4)
- To this day the town population has not grown and is unlikely o in the future.



Cleanup

PGE had spent upwards of 700 million in cleanup/ damages cost throughout the area (6).



Figure 8 cleanup crew in Hinkley

References

Figure 4 abandoned house

some deaths. (1).