Dear Ann -

Here is additional information that you requested regarding EPA's proposed remediation activities at the Coca Cola property associated with the Del Amo Superfund site in Los Angeles, California. Note that there are a number of ways to implement the remedies, and the following information represents assumptions we used for our feasibility study. These assumptions are not "set in stone," rather they give you a baseline idea of a basic application of the technology at that location.

1. **Timeframes of remediation scenarios**. Both scenarios assume semi-annual oxidant injections. Scenario 1 assumes permanent well installation at 45 to 60 foot spacings, and injections occurring over 8 years. Scenario 2 assumes temporary well installation (casings are inserted temporarily each time and then removed after the injection), and injections over 4 years.

2. **Above-ground chemical storage tanks**: size (gallons), tank material, contents. Chemical storage tanks may not necessarily need to be left on site during the oxidant injection periods. If tanks are left on site during the injection periods, there would be 2 polyethylene plastic tanks, each 4000 to 6500 gallons (approximately 8 to 10 ft. diameter and 10 to 12 ft height), containing hydrogen peroxide and ferrous iron. Other possible oxidants that could be used, pending design studies, are: permanganate, persulfate, and peroxide + ozone. Oxidants would be injected semi-annually with each injection period lasting several weeks. The tanks could be mobilized for each injection event, brought to the site and off-loaded, and stay there for the 3 to 6 week injection period. The tanks could then be removed. An alternative to leaving tanks on site that the Respondents currently prefer would be to utilize smaller tanks mounted on a trailer that would leave the property at the end of each day during the injection period. Whether or not tanks remain on site during injection, there would be no need for long-term storage of chemicals on the site between the semiannual injection periods.

3. **Bulk delivery process**: space and access requirements, secondary containment. If tanks remain on site during injection, then chemicals would be delivered by 4000 to 5000 gallon tanker trucks every few days during injection periods. Tank filling would take maybe an hour. The trucks would be standard tanker trucks like those commonly used for hauling fuel. A limited area would be required for the trucks to pull in near the storage tanks if that procedure is followed. If storage tanks are not left on site, then the daily delivery of oxidant solutions would be accomplished with smaller trailer mounted tanks.

For secondary containment, the assumption is to temporarily boom the truck off-load areas when filling the chemical storage tanks. Secondary containment would be provided for all chemical storage facilities, the details of which will be developed during the remedy design process.

4. **Total footprint for facilities**: chemical storage areas, VETs. Each of the two VETS areas would be approximately 800 ft² (approximately 20 ft x 40 ft), and the chemical storage area would be approximately 3000 ft² (approximately 30 ft x 100 ft) if oxidant solutions are actually stored on the property during injection periods. There is flexibility in exactly where and how the VETS and chemical storage areas are set up, and the Respondents have expressed their commitment to working closely with property owners and EPA so that impacts to normal business operations are minimized.

I hope this information is helpful to you. Please let me know if you have further questions. This information is meant as a baseline assumption for feasibility study purposes, and is not "set in stone." There are many variations to the design that could be employed to meet the ongoing operational needs of the warehouse facility, and we are happy to work with you and the facility to adjust our design to meet your needs.
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