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## 2008 Annual Surface Water Monitoring Report for DuPont Oakley Site

### EXECUTIVE SUMMARY

E. I. du Pont de Nemours and Company (DuPont) has prepared this 2008 Annual Surface Water Monitoring Report to meet the provisions of 22 CCR 66265.97(e)(14), (15), and (17) for the DuPont Oakley Site. This annual report describes the surface water monitoring activities conducted for the wet and dry seasons in April and September 2008, respectively. Based on correspondence with the Department of Toxic Substances Control (DTSC) in 2008, several modifications were made to the guidelines and procedures for the surface water monitoring program. The current approved scope of work for Sitewide and Article 6 surface water monitoring at the Oakley Site are summarized in the following paragraphs.

Sitewide surface water sampling is conducted at eight locations in the San Joaquin River, four locations in Little Break, one location in the Lauritzen Yacht Harbor, and three supplemental locations in the Central Slough and Central Slough Channel. Four supplemental locations in Little Break and one supplemental location in the Lauritzen Yacht Harbor are sampled for site-specific volatile organic compounds (VOCs) during four consecutive years as part of the sitewide monitoring program. On the fifth year (in 2012), sampling at these locations will be included as part of the Article 6 detection monitoring program. Sampling is conducted toward the end of the wet season (April) and dry season (September). Sitewide locations are sampled annually at the end of the wet season; supplemental locations are sampled semi-annually at the end of the wet season (April) and dry season (September). A summary of the sample analyses is presented in Table 1-1.

Article 6 surface water monitoring is conducted at five detection monitoring locations. These locations include four locations in Little Break (SW-LBM-01, SW-LBM-02, SW-LBM-03, and SW-LBM-04) and one location in the Lauritzen Yacht Harbor (SW-LYH-03). Sampling is conducted semi-annually toward the end of the wet season (April) and dry season (September). A summary of the sample analyses is presented in Table 1-2.

The results for the sitewide monitoring evaluations conducted during the 2008 wet and dry seasons indicated that the 95% upper confidence limit (UCL) concentrations and/or the maximum concentrations for detected constituents in sitewide and supplemental samples were below their respective water quality objectives (WQOs).

No monitoring parameters (MPs) that are part of the release verification procedures were detected at Article 6 locations during the wet season. During the dry season, fluoride was detected at three Article 6 locations below the upper prediction limit developed from the background data set. Fluoride was also detected in the laboratory blank for each of these samples. Release verification procedures were not implemented for the detection monitoring program during the wet or dry seasons.

The surface water monitoring program has been and continues to be developed in cooperation with DTSC. The monitoring plan represents a focused collection of data throughout the water

bodies proximate to the Site. Based on the 2008 results of the wet and dry season surface water data evaluations, no immediate changes in sample numbers, analytes, or data evaluation procedures are recommended for the program.