

Oxy-Pro™



Sludge Reduction

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Oxy-Pro™ SR.

Sludge Reduction: The purpose of these studies is to assess the sludge reducing characteristics of Oxy-Pro™. Investigations began in April, 2004 with two anaerobic lagoon case studies: a 3.5 million gallon heavily loaded “continuously flushing” lagoon; a 1 million gallon, lightly loaded, “pull plug” lagoon. Sludge levels and Dissolved Oxygen (D.O.) levels were baseline surveyed and are resurveyed at 30 day intervals. As Chart 1 illustrates, sludge levels dropped by over 58% and at a consistent rate over the first 4 months in the large lagoon with over 1.8 million gallons of sludge volume eliminated. The smaller, lightly loaded lagoon shows a more modest sludge reduction. By month 4, D.O. levels had risen from 0.00 parts per million to a sustained level of 0.23 parts per million.

OxyPro™ SR

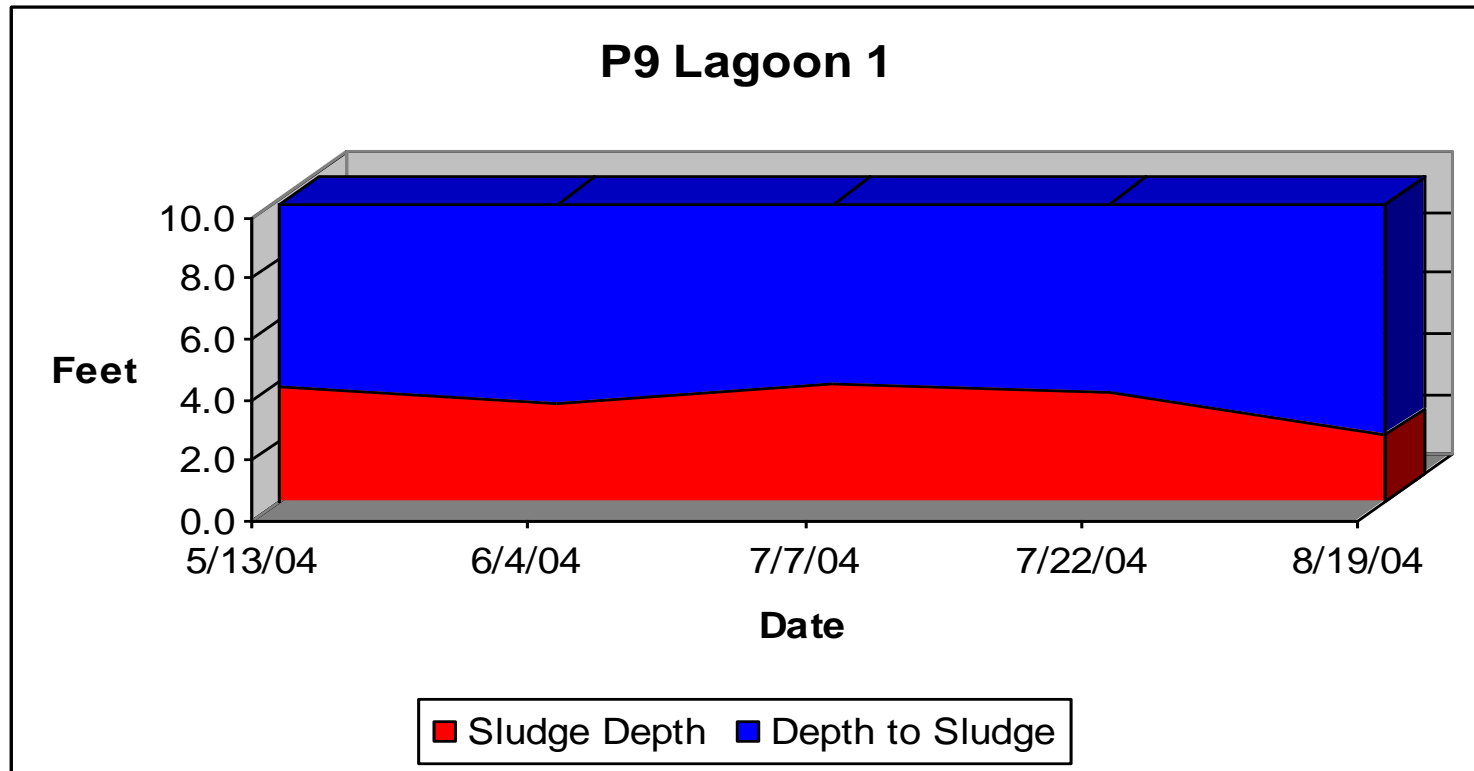


In month 4, the investigation was expanded to include an additional 6 heavily loaded lagoons (3 treated pull-plug lagoons matched with 3 untreated pull-plug lagoons). Two of the three experimental lagoons have capacities of 3.5 million gallons. The third lagoon has a 1 million gallon capacity. All lagoons were baseline surveyed and re-surveyed at thirty day intervals. As Chart 1 illustrates, after 30 days of treatment, the sludge volumes in each of the larger lagoons was reduced by 125,000 gallons, respectively. Rates of sludge reduction in each of the large treated lagoons is consistent with results demonstrated in the phase 1 “Continuous Flush” lagoon. The small lagoon showed sludge volume reduced by approximately 140,000 gallons.



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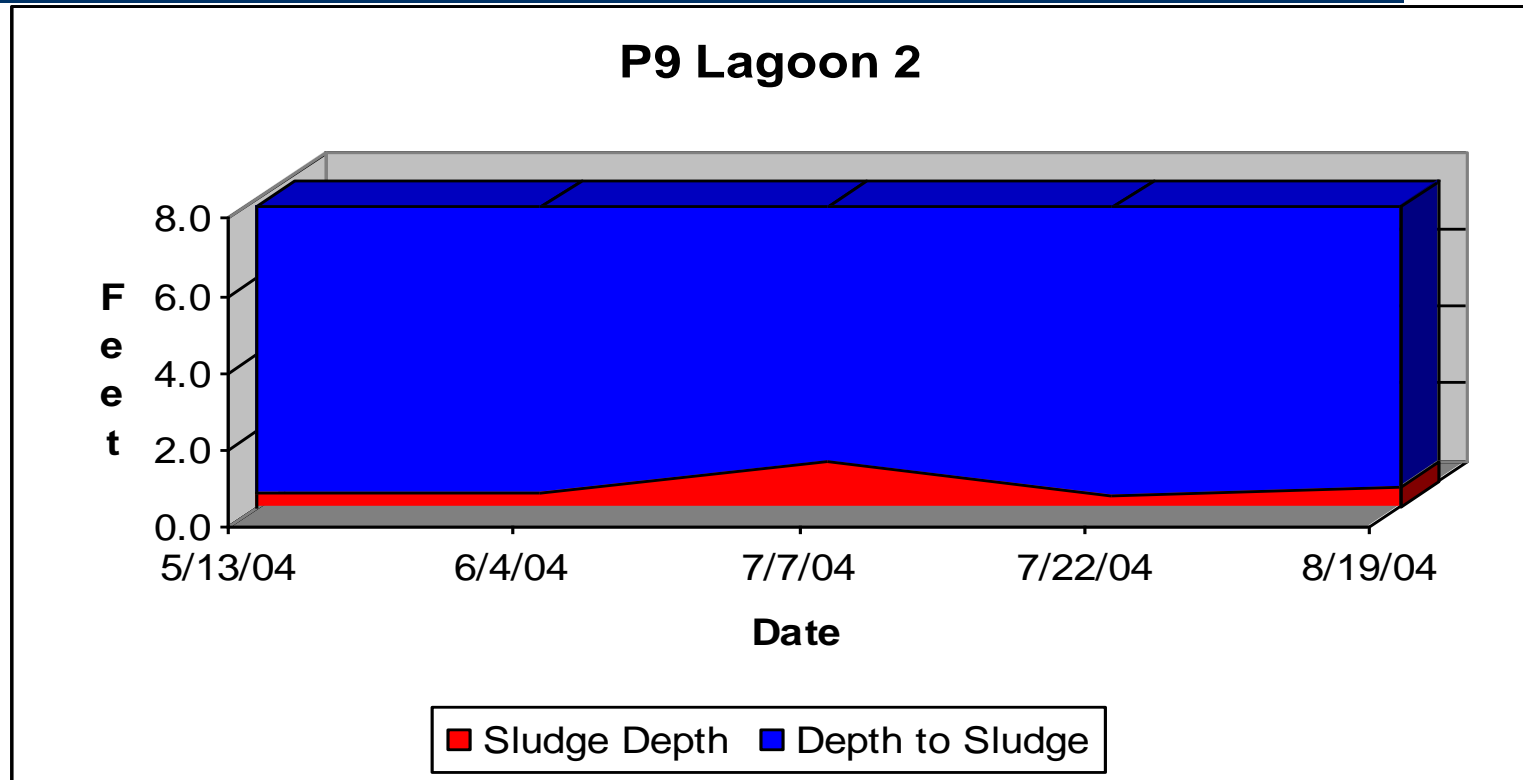
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EcoSense International

EcoSense International, Inc.

PO Box 540562

Merritt Island, FL 32954-0562

T: 866-449-0324

F: 321-449-0325

info@ecosenseint.com

www.EcoSenseInt.com

