

Executive Summary

In February 2018, Concordia Humana's CEO (Daniel Sexton) and COO (Peter Beaucage) traveled to Douala, Cameroon to learn more about the problems facing the health care facilities in the city, particularly in the realm of the elimination of medical waste. During their trip, they visited the Regional Delegation of the Bureau of Hygiene, District Hospital Deido, two community healthcare facilities in the Deido area of town, District Hospital Nylon, and Regional Hospital Laquintanie with the assistance of Rostin Namekong from the Bureau of Hygiene and Gordon Okpu from the Centers for Disease Control and Prevention, Cameroon.

Mr. Sexton and Dr. Beaucage found that of the health care facilities visited, District Hospital Deido had by far the most dangerous and life-threatening waste elimination practices, the most problematic of which was simply to pile up infectious medical waste in a small plot at the rear of the hospital that drained into the public sewer system. The most apparent cause of the situation was a lack of budgetary focus on the issue of waste elimination; the defunct twenty-year-old incinerator on which the infectious medical waste was piled stood in the shadow of a brand new hospital wing, and around the corner from a recently paved courtyard and new radiology department.

Concordia Humana believes that any solution will be comprised of two parts, of which it is able to rectify one. First, the site of the former incinerator at District Hospital Deido must be **professionally** cleared of all medical waste and construction waste. All of the waste, including the construction waste, must be incinerated. The disposal of this waste in any other manner has the potential to cause great harm to the waste handlers, hospital patients, hospital staff, and the general public. Concordia Humana makes this request in order to ensure the cooperation of all parties involved, to immediately reduce the health risk that the incinerator area poses at District Hospital Deido, and to have a clear site available for potential use in the second phase of the project.

Following the professional clearing of the former incineration site at District Hospital Deido, Concordia Humana offers the Delegation two options.

- 1) The Delegation, District Hospital Deido and Hospital Laquintanie establish arrangements for Hospital Laquintanie to incinerate all of District Hospital Deido's infectious medical waste at a frequent and regular interval. Concordia Humana will purchase a truck dedicated solely to the purpose of bringing the waste from District Hospital Deido to Hospital Laquintanie. The Delegation will fund and execute the training of appropriate staff and provide sufficient funds for the ongoing costs of the waste transport staff's salary, the operation and upkeep of the truck, as well as any user fees incurred by Hospital Laquintanie.
- 2) Concordia Humana funds the construction of a new incinerator and waste storage complex on the existing incineration plot at District Hospital Deido. As incorrect operation of an incinerator will result in the dispersion of cancerous chemicals in the densely-populated area around the hospital, it will be necessary for the Delegation to provide both **training and sufficient fuel to attain at all times the 1200°C threshold** necessary to eliminate all toxins from the incinerator's emissions.

Concordia Humana estimates that both options will take approximately 12-18 months to fully fundraise. During this fundraising period, District Hospital Deido would be expected to commission the clearing and maintenance of the current incinerator site.