peak periods of production, the Christensen Ranch may produce up to 1 million pounds per year of uranium product which will be dried. COGEMA may wish to dry up to an additional 1.5 million pounds per year of yellowcake product from other uranium licensees. MILDOS modeling has been performed at the 2.5 million pound throughput and no significant increases in exposures to the general public have been seen as a result of this level of drying.

In the past the Irigaray plant received yellowcake slurry from our Texas operations for drying. Shipments of slurry were received in exclusive-use slurry transport trailers. Upon arrival, the slurry trailer entered the old portion of the plant through an overhead door directly adjacent to the northern-most yellowcake storage tank (see Figure 3.9, General Arrangement Diagram). The slurry was then pumped to one of the two yellowcake storage tanks (previous calcium clarifiers), using flexible hoses and a diaphragm pump. Excess decant and wash water from the unloading process was routed either to the on-site evaporation ponds as waste, or to the yellowcake processing area for filtration. Future receipt of outside yellowcake slurry likely would require the acquisition of additional storage tanks due to the loss of capacity from recent plant decommissioning activities.

Uranium One is re-processing approximately 1032 drums or approximately 550,000 pounds of dried YC for Uranium One's Honeymoon ISR Australian operations. Re-processing of these materials is necessary to reduce the organic content to a level which will be acceptable to the converter facilities for further processing. The method used for re-processing this material is as follows:

Dry Transfer: Honeymoon yellowcake would be transferred dry by a dust free drum tipping system and associated enclosed tubular drag conveyor directly into the Willow Creek yellowcake dryer for re-processing to burn off organic contaminates currently contained in the material Since dry materials would be introduced to the dryer the current dryer retention time of 4.5 associated with a wet slurry feed would not be necessary for the dry Honeymoon yellowcake. Dryer retention time for this product would be the time required to burn off the organic contaminate to acceptable levels for further re-processing at the converter facilities. Uranium One will not run Irigaray yellowcake slurry and the Honeymoon dry material through the dryer concurrently and will run the Honeymoon material on a batch or campaign basis separate from Irigaray yellowcake slurry operations.

Uranium One has conducted analysis of the Honeymoon material and has determined the proposed re-drying of the material is compatible both chemically and mechanically with the Willow Creek uranium recovery process.