**INDUSTRIAL WASTEWATER/STORMWATER**

*The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application*.

GMA Garnet (USA) Corporation (CN605349414 ) proposes to operate GMA Garnet – Houston (RN106035520) an industrial mineral sands (garnet sand) processing plant. The facility will be located in the WATCO Industrial Complex at 13080 Industrial Road, in Houston, Harris County, Texas 77015.

At the proposed GMA Garnet (USA) Corporation facility, unprocessed and used garnet sand will be washed, hence removing any impurities from the garnet sand. Water used for the washing process will be supplied by Coastal Water Authority of Texas. Washed garnet sand will then be dried by a natural gas fired rotary dryer. From the dryer, garnet sand will be conveyed to the dry plant where it will be screened, sized, and packaged for distribution.

Discharges from the facility are expected to contain Nitrate-Nitrite, Sulfide (as S), Iron (total), Magnesium (total), Manganese (total) and total suspended solids (TSS). Wastewater discharged from the proposed GMA Garnet (USA) Corporation facility will consist of process water and stormwater runoff from outdoor equipment and the stack conveyor, and will be treated byferrous sulfate (to aid precipitation of metals), lime (to adjust the pH level to 8.2), and flocculent (to condense the sediments). Wastewater will then be routed to a clarifier for settling. Treated wastewater will ultimately be discharged to the Houston Ship Channel and the resulting filter cake will be managed and disposed of offsite.