




<p style="writing-mode: vertical-rl; transform: rotate(180deg);">ENTITY</p>	<p>Center of Waste Management (CWM)</p> <p>P.O. Box 48448, Abu Dhabi, UAE Phone: +971 (0) 2 642 4660 Fax: +971 (0) 2 642 2577 E-Mail: cwm@cwm.ae www.cwm.ae</p> <div style="text-align: right;">  مركز إدارة النفايات - أبوظبي The Center of Waste Management - Abu Dhabi </div>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Abstract</p>	<p>Established in February 2008, the Center is the lead agency responsible for controlling and coordinating waste management activities throughout the Emirate. This includes implementing the Waste Management Strategy and all aspects of service delivery required to establish a full cycle integrated waste management system.</p> <p>Vision The Emirate of Abu Dhabi will be recognized as a world leader in sustainable and integrated solid waste management. The Government of Abu Dhabi has set out its commitment to improving waste management across the Emirate by establishing the Center of Waste Management (CWM).</p> <p>Mission The Center has been established to coordinate the policy, strategy and contractual systems of waste management across the Emirate of Abu Dhabi.</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">GIS Profile</p>	<p>The GIS function in CWM is currently under development as part of a foundation Data Center and information technology infrastructure and strategic plan development. GIS data themes maintained by CWM include facilities, facility features, service areas, management sectors and collection sites.</p> <p>The eventual enterprise system will address the full range of CWM operations and decision support needs; including GIS. The intention is for this GIS function to eventually serve the enterprise needs of the CWM, and CWM is in the process of developing an enterprise IT and GIS Strategy to support all sectors activities at CWM. This will be coordinated with the AD-SDI Project Team.</p> <p>The Center is also working with its consultants to establish a comprehensive database for compiling, monitoring and analyzing waste data from the collection contractors and landfill operators.</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SDI Involvement</p>	<p>CWM became a member entity in the SDI community in September 2009. The Data Center is cooperating closely with the Environment Agency Abu Dhabi in accessing and using EAD's Environmental Data Base, and established linkage to the Abu Dhabi Spatial Data Infrastructure (AD-SDI) initiative.</p> <p>Specific activities that the Data Center has been supporting over the past two months include:</p> <p>ECP Sight Planning: Engineered Collection Points (ECP's) are underground waste compactors that will be used to optimize waste collection in dense urban areas, such as much of Abu Dhabi Island. CWM Engineers have utilized the AD-SDI data clearinghouse to better understand where to place ECP's based on the type and density of urban neighborhoods, and to propose locations where they will not conflict with existing underground utility lines. This is saving the engineers hundreds of hours of initial investigation and should streamline the approval process when the CWM eventually applies for construction permits from the municipality.</p> <p>Facility Mapping: The CWM is now mapping the locations and essential characteristics of landfill, dumpsites and other facilities, such as transfer stations, incinerators, recycling centers and others. This information is essential to understanding the existing waste management infrastructure and planning for future improvements.</p> <p>Bidder Information Support: The CWM is soliciting competitive bids for waste contractors for key areas in the Emirate. The AD-SDI web services have been used to provide bidders with waste management service area boundaries, imagery and other information that they can use to understand the urban form, density, circulation and other issues.</p> <p>Education and Awareness: The CWM has initiated a waste awareness and education program, and has started investigating how to use the Data Center's resources and linkages to the AD-SDI to understand the location and distribution of the Emirate's population, school locations and characteristics, and other information.</p>
<p>SDI Coordinator: Mr. Ahmad Hammadah (ahmad.hammadah@cwm.ae)</p>	

