

# ***Underground Storage Tank Cathodic Protection and Internal Lining***

Underground storage tanks (USTs) are protected from corrosion using cathodic protection in conjunction with an internal lining the UST. UST cathodic protection and internal lining must meet the following requirements.

## **Cathodic Protection** (COMAR 26.10.03.08B(2))

- Sacrificial anodes are only permitted factory installed on tanks. Piping can be field installed.
- Impressed current system must protect the tank and any steel piping.
- Protection must be tested.
  - A sacrificial anode system must be tested yearly.
  - An impressed current system must be tested every five years.

## **Internal lining** (COMAR 26.10.03.08B(3))

- Before internally lining an UST, a site assessment must be performed to ensure that the tank has not released product. If the tank has released product, contact the Maryland Department of the Environment, Oil Control Program.
- Cathodic protection by impressed current must be placed on the UST system. Sacrificial anodes are not allowed as an upgrade. (See above)
- Internal lining must be installed in accordance with American Petroleum Institute (API) 1631. If the UST does not pass the required API inspection, the tank cannot be lined.
- After lining has been completed, a precision tightness test must be performed before the UST system can be placed back into service.
- Internal lining must be inspected after 10 years and every 5 years thereafter as required by regulation.