

ENVIRONMENTAL MANAGEMENT

A. Chemical Waste

B. Storm water protection and prevention

C. Air emissions

Statute and/or Policy (Include links to pertinent statute or policy websites):

UTD is required to adhere to federal, state, city, and county regulations as noted by specific granting agencies (NIH, DoD, DoE, etc).

A. Chemical Waste:

- U.S. Environmental Protection Agency (EPA) and the Resource Conservation and Recovery Act (RCRA), 40 CFR Part 261,
http://www.access.gpo.gov/nara/cfr/waisidx_06/40cfr261_06.html
- Occupational Safety & Health Administration (OSHA), 29 CFR §1910.120, (CFR=Code of Federal Regulations)
http://a257.g.akamaitech.net/7/257/2422/01jul20061500/edocket.access.gpo.gov/cfr_20_06/julqtr/pdf/29cfr1910.120.pdf
- Texas Commission on Environmental Quality (TCEQ), 30 TAC 355, Subpart A, (TAC=Texas Administrative Code)
[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=335&sch=A&rl=Y](http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=335&sch=A&rl=Y)

B. Storm water prevention and protection:

- Texas Pollutant Discharge Elimination System (TPDES) General Permit No. TXR050000,
<http://www.tceq.state.tx.us/assets/public/permitting/waterquality/attachments/stormwater/txr050000.pdf>

C. Air emissions:

- applicable portions of Texas Administrative Code Permit by Rule 30TAC §106,
[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.ViewTAC?tac_view=4&ti=30&pt=1&ch=106](http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=4&ti=30&pt=1&ch=106)

Requirements:

A. Chemical Wastes:

- train the UTD research community (students and staff) in proper chemical waste collection, storage, and disposal procedures, safety guidelines and best practices
- collect and store chemical wastes in secure areas, minimizing chances for spills and student/employee exposures
- work with our waste disposal company to safely dispose of chemical wastes and receive certificates of destruction of these wastes from the company
- file appropriate paperwork (annual waste summaries) with the TCEQ yearly

B. Storm water prevention and protection

- train facilities management personnel and construction crews in storm water protection techniques (i.e., use of physical barriers around construction areas)

- monitor construction crews on campus to ensure appropriate physical barriers are in place to prevent runoff into city storm sewers
- have and monitor implementation of a written Stormwater Pollution Prevention Plan (SWPPP) for each construction project on campus

C. Air Emissions

- track amounts of certain volatile organic compound (VOC) containing products (paints, gasoline, etc.) that are purchased and used at UTD
- visually observe all areas of the campus for visible emissions into the air and take action to reduce such emissions if found

Penalty for Non-Compliance:

Fines/imprisonment and loss of research funding dependent on severity of safety violations

Responsible Person/Title:

Mr. Esequiel Barrera, Environmental Health and Safety Director
Heather D. Hansen, PhD., Environmental Management Services

Services:

- 1) Chemical waste segregation and packaging for disposal
- 2) Regulated medical waste segregation and packing for disposal
- 3) Radioactive waste segregation and packing for disposal
- 4) Universal waste segregation and packing for disposal
- 5) Air emissions
- 6) RCRA/hazardous waste facility maintenance
- 7) Storm water prevention plan
- 8) Recycling/environmental "green" programs
- 9) STEERS reporting
- 10) Waste water monitoring

