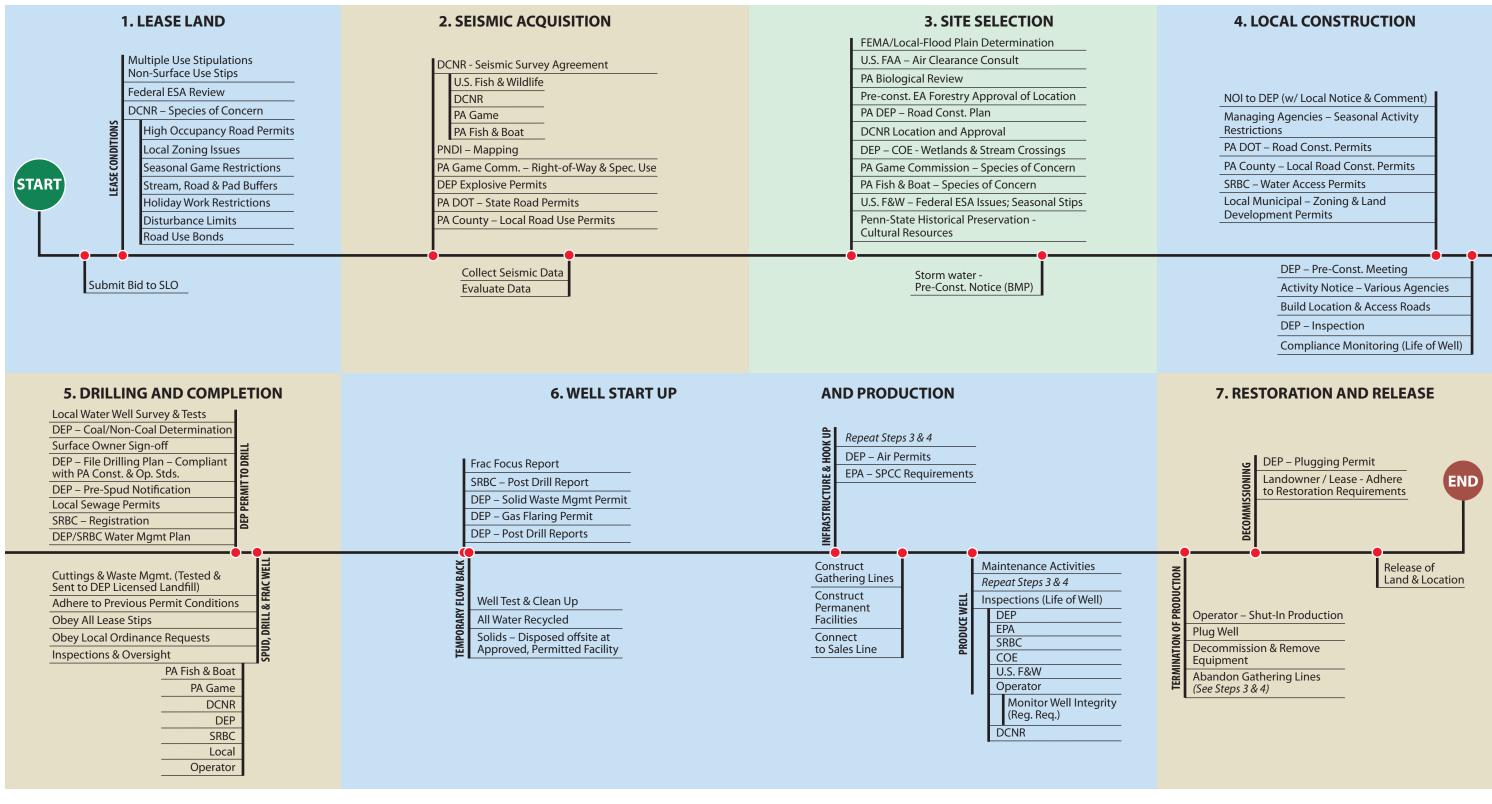
Figure ES-11. The Natural Gas and Oil Industry Is Well Regulated: Project Development Requirements in Pennsylvania



LEGEND:

BMP – Best Management Practice **COE** – U.S. Army Corps of Engineers **DCNR** – PA Dept. of Conservation & Natural Resources

DEP – PA Dept. of Environmental Protection

EA – Environmental Assessment

EPA – Environmental Protection Agency

ESA – Federal Endangered Species Act FAA – Federal Aviation Administration

NOI - Notice of Intent

PA DOT – PA Dept. of Transportation

PNDI – PA Natural Diversity Inventory

SLO – State Lands Office

SPCC - Spill Prevention, Control &

Countermeasure Plan

SRBC – Susquehanna River Basin Commission U.S. F&W - U.S. Fish & Wildlife Service

Source: Adapted from "Governor's Marcellus Shale Advisory, Commission Report" by Jim Cawley, Lt. Governor, Commonwealth of Pennsylvania, July 22, 2011. Full Report Found at http://www.pa.gov. Also see Pennsylvania Public Records for Grugan development: Gathering Line - Permit #ESX10-035-0002, GP0518291004, GP0818291001; COP Tract 289 Pad E -Permit #ESX10-081-0076, API #37-081-20446 (Well #E-1029H); COP Tract 285 Pad C - Permit #GP0718291001, ESX10-035-0007. Additional reporting and oversight required for exceptions to permitted activity not shown.