National Petroleum Council 2011 Prudent Development Report

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.

4. LOCAL CONSTRUCTION

NOI to DEP (w/ Local Notice & Comment) Managing Agencies – Seasonal Activity

Restrictions PA DOT – Road Const. Permits

PA County – Local Road Const. Permits

SRBC – Water Access Permits

Local Municipal – Zoning & Land Development Permits

DEP – Pre-Const. Meeting

Activity Notice – Various Agencies

Build Location & Access Roads

DEP – Inspection

Compliance Monitoring (Life of Well)

7. RESTORATION AND RELEASE

