

New Jersey Department of Environmental Protection



Brief Review of Common Environmental
Permits, Approvals & Certificates

Presented to the Clean Energy Council
Municipal Training Course

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Office of Permit Coordination and
Environmental Review

(609) 292-3600

Goals of Permit Coordination and Environmental Review



- ⌘ Provide better service to the public and the regulated community by utilizing a total facility approach to the permitting process;
- ⌘ Complete environmental reviews in a timely fashion.
- ⌘ Provide better accountability

Objectives

- ⌘ Review projects subject to the:
 - ☒ **National Environmental Policy Act (NEPA)**
 - ☒ **State Executive Order #215**

- ⌘ Establish a coordinated team that will:
 - ☒ Determine all permits required for a project;
 - ☒ Identify critical path and cross media implications.

- ⌘ Develop a schedule for :
 - ☒ Approvals, Permits; & Final decisions.

Who Can Use PCER?

⌘ New public and commercial projects:

- ☑ Multi- media permits and multiple agency approvals;
- ☑ Transportation infrastructure, schools, golf courses, power plants, water utilities, manufacturers, parks, .

⌘ Major existing facilities:

- ☑ Project expansion;
- ☑ Transfers of ownership;
- ☑ Permit renewals and modifications.

⌘ Major Redevelopment:

- ☑ Brownfield Redevelopment :
- ☑ Large Scale Commercial & Residential Development.

Coordinated Projects - Permit Coordination

⌘ Transportation: NEPA; EO-215

- ☒ Newark Portal Bridge and Tunnel; South Jersey Light Rail; Newark-Elizabeth Light Rail; NJ TPK Expansion; Route 1 Penns Neck Underpass; Goethals Bridge Replacement (NEPA)
- ☒ Interstate 295/42- Creek Road (EO-215) -
- ☒ Philadelphia Airport Capacity Enhancement Program (NEPA)
- ☒ Various NJTA, ACE, GSP - NJ Transit/Amtrak

⌘ Golf Courses

⌘ Schools:

- ☒ Abbott / Non-Abbott District Projects

Coordinated Projects - Environmental Review

⌘ Landfill Closure via Dredge Material:

- ☒ Encap Meadowlands; OENJ Bayonne; Bellmawr Fazzio

⌘ Brownfields:

- ☒ Soccer Stadium - Harrison; Colgate Palmolive and Port Liberty-Jersey City; NL - Sayreville; Elizabeth Tern Landing; McNeil Landing - Burlington Transit Village; Mountain Creek - Vernon;
- ☒ Downtown and Transit Village redevelopments
- ☒ Portfields - EDA/DEP
- ☒ Delaware River Port Areas

Coordinated Projects - Environmental Review

⌘ Innovative Technology and Energy:

⌘ Wind:

- ⌘ Onshore: ACUA Wind Power Plant

- ⌘ Offshore: BPU RFP

⌘ Liquefied Natural Gas:

- ⌘ BP Crown Landing LNG Terminal

- ⌘ AES Red Oak Power Plant

⌘ Ethanol: Garden State Ethanol Project

⌘ Biodiesel: Trap grease

⌘ Biomass: Tire recycling; Gasification

⌘ Water Source: Cape May Desalination Plant

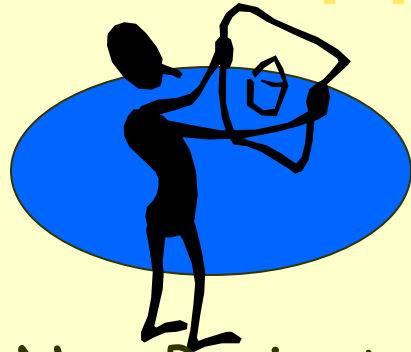


Alternative Energy Assistance

⌘ Interagency Biofuels Team

- ☒ 2x/month review of Innovative Technology and Permitting Strategies
- ☒ Dept of Agriculture - Jeff Beech
- ☒ DEP - Innovative Technology - Serpil Guran
- ☒ DEP - Permit Coordination - Brian Quinn
- ☒ BPU
- ☒ Commerce
- ☒ Rutgers - Dave Specca

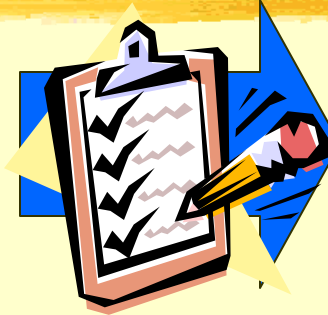
Permit Coordination Flow Diagram



New Project



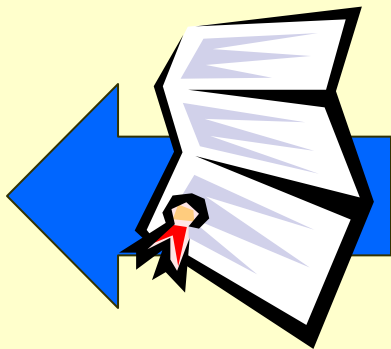
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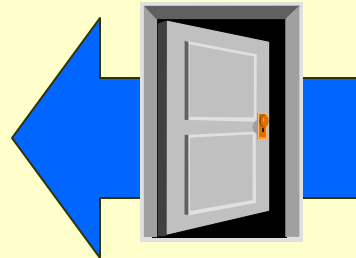
PIF



Pre-App Meeting



Issue Permits



Critical Path
Schedule



Permit
Determination

Benefits of PCER

- ⌘ Provides accountable, timely & consistent permit oversight;
- ⌘ Opens communication between team members & applicants;
- ⌘ Avoids conflicting requirements, duplication of effort & last minute surprises;

Air Pollution Control

⌘ Some Regulated Activities / Equipment

- ☑ Open Burning
- ☑ Stationary Source Emissions - Toxics, Hazardous Air Pollutants, Volatile Organic Compounds
- ☑ Fuel Transfer Operations
- ☑ Recycling, Landfills, Composting, Wastewater Treatment
- ☑ Stacks and Fugitive Emissions
- ☑ Equipment using > 50 lbs of raw materials per hour

Air Quality Permitting

⌘ Pre-Construction Permits (Subchapter 8)

- ☑ Boilers > 1,000,000 BTUs / hour
- ☑ Surface Cleaners, Dry Cleaners, Metal Plating
- ☑ Fuel Burning Equipment
- ☑ Storage Tanks > 10,000 gallons
- ☑ Graphic Arts, Printers
- ☑ Emissions from Conveyer, Belt, and Bucket Systems

⌘ Operating Permits (Title V)

Land Use Regulation

⌘ Special Ecological / Resource Areas

- ☒ Coastal Zone Management -
Coastal Areas Facility Review Act (CAFRA)
- ☒ Pinelands National Reserve -
Pinelands Comprehensive Management Plan
- ☒ Highlands Water Protection and Planning Act
- ☒ Hackensack Meadowlands

⌘ Waterfront Development

- ☒ Any development within 500 ft of tidally flowed waters

⌘ Tidelands - Riparian Grants

Land Use Regulation (cont)

⌘ Coastal Wetlands

- ☒ excavate, dredge, fill, or erect structures

⌘ Freshwater Wetlands

- ☒ All open waters of NJ and US
- ☒ Activities within 150 feet of wetlands

⌘ Stream Encroachment (Flood Hazard Control)

- ☒ Any activity within 100 year flood plain of any stream
- ☒ Stormwater Management - site specific remedies

WATER SUPPLY

⌘ Water Allocation

- ☑ Construction Dewatering or Consumptive Use
 - ☑ Capacity to divert > 100,000 gallons of water per day for more than 30 days

⌘ Well Drilling

- ☑ Permit to Drill, Bore, Core, or Excavate
- ☑ License for Modification, abandonment, or sealing

⌘ Safe Drinking Water

- ☑ Development of, or Connection to, Public Water System (serving 25 or more residents)

WATER QUALITY

⌘ New Jersey Pollutant Discharge Elimination System (NJPDES)

☒ Point Source Permitting

☒ Discharge to Surface Water (DSW)

☒ Pretreatment and Residuals

☒ Significant Indirect User

- Industrial or Commercial Wastewater Discharge to Publicly Operated Treatment Works (POTW)

☒ Sludge

- Land Application of Sewage Sludge, Food Processing Residuals or Vegetative Waste
- Processing, distribution, storage, transfer, or management of sewage sludge

Water Quality (cont)

⌘ Nonpoint Pollution Control

☒ Discharge to Groundwater (DGW)

- ☒ Remediation Operations; Discharges > 2,000 gpd; Industrial Wastewater; Spray Irrigation, Infiltration, Septic Tanks, Landfills; Beneficial Reuse

☒ Industrial Stormwater

- ☒ Stormwater Pollution Prevention Plan - Management of stormwater runoff from exposed material handling equipment, raw materials, products, industrial machinery, or waste products

☒ Construction and Mining Activities

- ☒ Construction General Permit / Authorization from local Soil Conservation District (SCD)
 - Soil Erosion and Sediment Control Plan
 - Construction Site Waste Control

Water Quality (cont)

⌘ Watershed Management

- ☑ Water Quality Management Plans (WQMP)
- ☑ Consistency Determinations

⌘ Treatment Works Approvals (TWAs)

- ☑ Wastewater Treatment & Conveyance
 - ☒ Connection serving more than 2 buildings
 - ☒ Design Flow > 8,000 gpd
 - ☒ through a roadway or public right-of way

Other Regulatory Areas

⌘ Solid Waste & Hazardous Waste

- ☒ Solid Waste Transport and Disposal; Transfer Facilities
- ☒ Landfill Management, Disruption and Closure
- ☒ Recycling; Composting
- ☒ Medical Waste
- ☒ Hazardous Waste Generation
- ☒ Hazardous Waste Transport and Disposal

⌘ Site Remediation

- ☒ Underground Storage Tanks
- ☒ Industrial Site Remediation
- ☒ Emergency Response
- ☒ Spill Prevention and Control

Other Regulatory Areas



- ⌘ Release and Discharge Prevention
- ⌘ Toxic Catastrophe Prevention
- ⌘ Pollution Prevention
- ⌘ Worker and Community Right-to-Know
- ⌘ Pesticides and Radiation Protection
- ⌘ State Historic Preservation Office
- ⌘ Endangered Species and Green Acres

Environmental Assistance

⌘ Green Start Compliance Assistance

(609) 633-0727

⌘ Small Business Environmental Assistance

(609) 292-0122 - Ky Asral

⌘ "One Stop" Permit Coordination and Environmental Review - (609) 292-3600

Ruth Foster, Joe Corleto; Brian Quinn; Ken Koschek

☒ Alternative Fuels and Innovative Technology - Brian Quinn

☒ School Construction Projects - Ken Koschek, Brian Quinn

☒ Beneficial Reuse Wastewater - Joe Corleto

☒ EO - 215/NEPA - Ken Koschek, Joe Corleto, Brian Quinn

Permit and Approval Guidance Documents

NJDEP Office of Permit Coordination & Environmental Review

PO Box 423, Trenton, NJ 08625-0423

Phone: (609)292-3600 Fax: (609)777-1330

Guidance Documents

Permit Identification Form:

EO-215 Environmental Assessments:

<http://www.nj.gov/dep/opppc>

www.state.nj.us/dep/opppc

Ruth Foster, PhD, Ken Koschek (NEPA/EO 215), Joe Corleto, Brian Quinn

