PHOSPHOGYPSUM STACK SYSTEM CONSTRUCTION/OPERATION PERMIT APPLICATION

PART I - INSTRUCTIONS

Phosphogypsum Stack Systems shall be permitted pursuant to Sections 403.087 and 403.707, Florida Statutes, and in accordance with Rule Chapter 62-673, Florida Administrative Code. A minimum of four copies of the application shall be submitted to the appropriate Department District Office. Complete appropriate sections for the type of facility for which application is made. Entries should be typed or printed in black ink. All blanks should be filled in or marked N/A (not applicable). The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to support the application is listed on the pages attached to this form.

PART II - GENERAL INFORMATION

(1) Application for permit to: construct ☐ or operate ☐

Facility type new ☐ lateral expansion ☐

Phosphogypsum stack ☐ Cooling or surge ponds ☐ Perimeter drainage conveyance ☐

Other ☐ specify: _____

(2) Facility name: _____

(3) Facility DEP ID No.: _____

(4) Facility location (main entrance): _____

(5) Location coordinates: Latitude ____ ° ____ ' ____ " Longitude ____ ° ____ ' ____ "

Section _____ Township _____ Range _____ UTMs: Zone _____ _____ km E _____ km N

(6) Applicant Name (Operating Authority): _____

Street Address & P. O. Box: _____

City: _____ County: _____ Zip: _____

Contact Person: Name _____ Phone: _____

(7) Authorized Agent/Consultant Name: _____

Contact Person Name: _____ Phone: _____

Street Address & P. O. Box: _____

City: _____ County: _____ Zip: _____

Land Owner (if different from applicant): _____

Address of Landowner: Street & P. O. Box: _____

City: _____ County: _____ Zip: _____

DEP Form 62-673.900(1)
Effective March 25, 1993

(8) Acres within phosphogypsum stack system boundary _____ . Acres within property boundary _____

(9) Volume of phosphogypsum generated: _____ tons/year _____ tons/day

(10) Date site ready to receive phosphogypsum: _____ Estimated life of facility _____ years

(11) Estimated cost of construction, Total $ _____ Estimated cost of closing $ _____

(12) Anticipated construction starting and completion dates form _____ to _____

PART III - PHOPHOGYPSUM STACK CONSTRUCTION/OPERATION PERMIT GENERAL REQUIREMENTS

Permit application and supporting information shall include the following (62-673.350, F.A.C.)

		Completeness Check	Location
(1)	Four copies, at a minimum, of the completed application form, engineering plans, all supporting data, and reports [62-673.320(2)]	☐	_____
(2)	A letter of transmittal to the Department [62-673.320(3)(a)]	☐	_____
(3)	A table of contents listing the main sections of the application [62-673.320(3)(b)]	☐	_____
(4)	The permit fee specified in Rule 62-4.05, F.A.C. in check or money order payable to the Department [62-673.320(3)(c)]	☐	_____
(5)	Engineer and geologist seal [62-673.320(3)(d)]	☐	_____
(6)	Demonstration of ownership or control of property [62-673.620(3)(m)]	☐	_____
(7)	Proof of publication of notice of application for the proposed activity in a newspaper of general circulation [62-673.320(4)]	☐	_____

PART IV - PHOSPHOGYPSUM STACK SITE AND CONSTRUCTION INFORMATION

The following information items must be included in the application or an explanation given if they are not applicable. NOTE: All maps, plan sheets, drawings, isometrics, cross-sections, or aerial photographs shall be legible; be signed and sealed by the registered professional engineer responsible for their preparation; be of appropriate scale to show clearly all required details; be numbered, referenced to narrative, titled, have a legend of symbols used, contain horizontal and vertical scales (where applicable), and specify drafting or origination dates; and use uniform scales as much as possible, contain a north arrow, and use NGVD for all elevations.

		Completeness Check	Location
(1)	Hydrogeological investigation [62-673.320(3)(j)]	☐	_____
(2)	Geotechnical investigation [62-673.320(3)(k)]	☐	_____
(3)	A map or aerial photograph of the area, no more than 1 year old, showing land use and zoning within 1 mile of the facility with all significant features labeled [62-673.320(3)(g)]	☐	_____
(4)	Plot plan on a scale not greater than 200 feet to the inch showing the following items (a) through (d)[62-673.320(3)(h)]	☐	_____

		Completeness Check	Location
	(a) Dimensions of phosphogypsum stack system	☐	
	(b) Original elevations	☐	
	(c) Final contours	☐	
	(d) Location of soil borings	☐	
(5)	Topographic maps (which may be combined with the plot plan) on a scale not greater than 200 feet to the inch showing the following items (a) through (f) [62-673.320(3)(i)]	☐	
	(a) Five-foot contour intervals	☐	
	(b) Proposed area of phosphogypsum disposal	☐	
	(c) Cooling ponds, surge ponds, and perimeter drainage conveyances	☐	
	(d) Access roads	☐	
	(e) Grades required for proper drainage	☐	
	(f) Typical cross sections of the phosphogypsum stack system including starter dikes, dames, ditches, cooling, surge ponds, drainage conveyances, and drainage controls.	☐	
(6)	Location requirements [62-673.340(2)]	☐	
	(a) Set back distance from property boundaries	☐	
	(b) 100-year flood plain	☐	
	(c) 500 feet from a shallow supply well	☐	
	(d) 200 feet from a natural or artificial surface water of the state	☐	
(7)	Evidence of an approved laboratory for ground water monitoring [62-673.320(3)(l)]	☐	

PART V - LINER AND LEACHATE CONTROL SYSTEM PERFORMANCE AND DESIGN INFORMATION

		Completeness Check	Location
(1)	Liner performance and design [62-673.400(2)(a), (b), & (d)	☐	
	(a) Material type (soil, synthetic, other)	☐	
	(b) Adequate base support	☐	
	(c) Planned installation adequate to cover all surrounding earth	☐	
	(d) Equivalency to design standards	☐	
(2)	Liner quality control plan [62-673.400(2)(c)]	☐	
	(a) Specifications	☐	
	(b) Construction/installation methods	☐	
	(c) Sampling and testing	☐	

		Completeness Check	Location
	(d) Manufacturer's specifications and recommendations	☐	
(3)	Leachate control system standards [62-673.400(2)(e)]	☐	
	(a) Perimeter underdrain to stabilize slopes	☐	
	(b) Perimeter drainage conveyances within liner system	☐	
(4)	Operation requirements [62-673.500]	☐	
	(a) Operation plan	☐	
	(b) Ground water monitoring	☐	
	(c) Collection, control, recycling and treatment of surface runoff	☐	
	(d) Collection, containment and treatment of leachate	☐	
(5)	Closure Plan [62-673.600]	☐	
	(a) Conceptual design	☐	
	(b) Closure cost estimates	☐	
	(c) Closure schedule	☐	
(6)	Financial responsibility [62-673.640]	☐	

PART VI - CERTIFICATION BY APPLICANT AND ENGINEER

(1) Applicant

The undersigned applicant or authorized representative *of _____ is aware that statements made in this form and the attached information are an application for a permit from the Florida Department of Environmental Protection and certifies that the information in this application is true, correct and complete to the best of his knowledge and belief. Furthermore, the undersigned agrees to comply with the provision of Chapter 403, Florida Statutes, and all rules of the Department. It is understood that the permit is not transferable, and the Department will be notified before the sale or legal transfer of the permitted facility.

*Attach letter of authorization if representative is not the owner or a corporate officer.

_____
Signature of Applicant or Authorized Representative

_____
Name and Title

Date Signed: _____

(2) Professional Engineer, Registered in Florida or Public Officer as required in Sections 403.707 and 403.7075, Florida Statutes

This is to certify that the engineering features of this facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly maintained and operated, will substantially comply with all applicable statutes of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a set of instructions of proper maintenance and operation of this facility.

Signature	Mailing Address
Name and Title (Please type)	City, State, Zip Code
Florida Registration Number	Telephone Number (including area code)
(Please affix seal)	Date Signed