

Hines Energy Complex COC PA 92-33 Mod. I
Post-Certification Summary

COC Section/Page	Item/Requirement	Permit Requirement Timeline/Due Date	Agency	Description
Sect. A - General Conditions Section				
A.I.D., pg. 7	Survey Map Submittal(s)	Event Driven	FDEP	Requirement to provide a survey map after completion of additional power blocks; changes to the existing site boundaries to the site map currently contained in Att. A; or, after completion of
A.V.B.3, 4 & 5; pg. 7-8	General Permits	Event Driven	FDEP	Requirement to obtain necessary general permits (GPs).
Sect. B. - Specific Conditions Section				
B.I.G.2., pg. 41	Submittal of revised Groundwater Monitoring Plan	Within 180 days of final order (by Jan. 27, 2013)	FDEP	New requirement to submit an updated Groundwater Monitoring Plan with proposed new well locations within the vicinity of new storage areas involving the Triangle Lakes, P-3, and Lake Phosphoria.
B.I.H., pg. 43	Hazardous Catalyst Handling	Event Driven	FDEP	Requirement to provide 120-day advance notice prior to bringing a hazardous catalyst on-site and a plan for disposing of new and/or spent hazardous catalyst.
B.I.I.1-5, pgs. 43-46	Solid Waste Storage & Disposal	Event Driven	FDEP	Solid waste permitting and operations plan requirements should coal gasification slag be disposed on-site. Currently, there are no plans to do so.
B.I.I.i., pg. 44	On-site fish burial	Event Driven	FDEP	Specific requirement relating to fish burial (tilapia) on-site in the event of unforeseen fish kill within the cooling pond. Requirement is for the site to submit a specific operations plan for review and approval by the Dept. in advance of performing on-site burial.
B.I.L. 1-6, pgs. 49 - 53	Mine Reclamation Conditions	Event Driven	FDEP	Reclamation activities largely completed. Only outstanding parcel requiring close-out is IMC-N-051(A).
B.II, beginning on pg. 55	Updated SWFWMD Conditions/Requirements			
B.II.A.15., pg. 59	Alternative Water Supply (AWS) feasibility report	Bi-annual	SWFWMD	Requirement to submit a feasibility study investigating use of alternative water supplies. Report is due during odd-numbered years.
B.II.A.16 & 23., pg. 60 & 64	Pumpage reporting	Monthly	SWFWMD	Existing monthly pumpage reporting requirement.
B.II.A.16.b., pg. 60	New production well metering requirement	Within 90 days of completion of withdrawal facilities.	SWFWMD	Allows use of an existing monitoring well (designated SWFWMD ID no. 153; PEF ID No. P-1 FMW) as a raw water source to supply the Reverse Osmosis system. Within 90 days of completion of withdrawal facilities, a flow meter shall be installed and quantities reported to the SWFWMD.
B.II.A.16.d., pg. 60	Production well flow meter requirements	Event Driven or every 5 years	SWFWMD	Requirements pertaining to non-re-settable, totalizing flow meters on production wells including: installation, accuracy, calibration schedules every 5 yrs.), reporting of malfunctions (notify within 30 days of discovery; repair/replace within 30 days of notification).
B.II.A.17., pg. 61	Water quality sampling	Quarterly	SWFWMD	Existing periodic well monitoring (no change from previous mod.). Chloride, sulfate, & TDS monitoring of production wells (quarterly), and MZ wells (semi-annually); and monthly water levels of MZ wells.
B.II.A.18., pg. 62	Rain gauge requirement	Monthly	SWFWMD	Existing rain gauge reporting requirement.
B.II.A.21.e., pg. 63	AARP Performance Report	Annual	SWFWMD	Requirement to submit an Aquifer Recharge & Recovery Project (ARRP) report. Note - to date, project has not been fully developed due to potential arsenic leaching issues.
B.II.A.22., pg. 64	Staff gauge requirement	Monthly	SWFWMD	Existing staff gauge level reporting requirement.
B.II.A.24., pg. 64-65	Reclaimed Water Metering Requirement	Monthly	SWFWMD	Existing requirement to report flows on existing wastewater line form Alcoa & Tiger Bay Cogen facility as well as existing City of Bartow reclaimed water line.
B.II.A.25., pg. 67	Cooling Pond Performance Report	Annual	SWFWMD	Requirement to submit Cooling Pond performance report by April 1 each year.
B.II.A.26., pg. 67	Interim Water Supply Shortage	Event Driven	SWFWMD/FDEP/SCO	Notification requirement pertaining to emergency operating level of the Hines Cooling Pond.
B.II.A.29., pg. 69	Water Crop System Report	Annual	SWFWMD	Requirement to submit Water Crop System report by April 1 each year. This report is rolled into the annual Cooling Pond System report.
Attachment H - IWW Groundwater Monitoring Operation & Monitoring Requirements (GWMOMR)				
Sec. I.A.1, pg. 2-3	New MWs	Well installation within 90 days of Dep. approval of GWMP; sampling within 60 days after completion of well construction; surveying within 90 days of construction.	FDEP - IWW	Contains requirements for installation, sampling and surveying of new monitoring well(s) identified in the GWMP associated with the alternative water supply projects involving Mosaic Green Bay & Hookers Prairie NPDES outfall diversions.
Sect. I.A.3., pg. 3	MW Sampling Requirement	Every 5 years	FDEP - IWW	Requirement to sample existing wells MWB-1, MWC-5 and MWC-1F for primary and secondary drinking water parameters.
Sect. I.B.3, pgs. 4-5	Monitoring Well Sampling parameters	Routine quarterly sample collection.	FDEP - IWW	Table on pg. 4 contains a list of sampling parameters and limits that apply to the compliance wells.
Sect. I.B.8, pgs. 5-6	Waste Stream Characterization of Cooling Pond & Brine Pond	Within 6 mo. of startup of new facilities, or every 5 years for existing facilities.	FDEP - IWW	Requirement to sample the cooling pond and brine pond for primary/secondary drinking water standards as well as fecal coliform and EPA priority pollutants. This was last done in 2011, so next due in 2016.