Ocean Energy Bureau, Interior

§ 285.708 What are the CVA's or project engineer's primary duties for fabrication and installation review?

(a) The CVA or project engineer must do all of the following:

(c) For any floating facility, the CVA must ensure that any requirements of the U.S. Coast Guard for structural integrity and stability (e.g., verification of center of gravity), have been met. The CVA must also consider:

(1) Foundations, foundation pilings and templates, and anchoring systems; and

(2) Mooring or tethering systems.

§ 285.708 What are the CVA's primary duties for facility design review?

If you are required to use a CVA:

(b) The CVA must conduct an independent assessment of all proposed:

(1) Planning criteria;

(2) Operational requirements;

(3) Environmental loading data;

(4) Load determinations;

(5) Stress analyses;

(6) Material designations;

(7) Soil and foundation conditions;

(8) Safety factors; and

(9) Other pertinent parameters of the proposed design.

(c) For any floating facility, the CVA must ensure that any requirements of the U.S. Coast Guard for structural integrity and stability (e.g., verification of center of gravity), have been met. The CVA must also consider:

(1) Foundations, foundation pilings and templates, and anchoring systems; and

(2) Mooring or tethering systems.
§ 285.709 When conducting onsite fabrication inspections, what must the CVA or project engineer verify?

(a) To comply with § 285.708(a)(3), the CVA or project engineer must make periodic onsite inspections while fabrication is in progress and must verify the following fabrication items, as appropriate:

(1) Quality control by lessee (or grant holder) and builder;
(2) Fabrication site facilities;
(3) Material quality and identification methods;
(4) Fabrication procedures specified in the Fabrication and Installation Report, and adherence to such procedures;
(5) Welder and welding procedure qualification and identification;
(6) Structural tolerances specified, and adherence to those tolerances;
(7) Nondestructive examination requirements and evaluation results of the specified examinations;
(8) Destructive testing requirements and results;
(9) Repair procedures;
(10) Installation of corrosion-protection systems and splash-zone protection;
(11) Erection procedures to ensure that overstressing of structural members does not occur;
(12) Alignment procedures;
(13) Dimensional check of the overall structure, including any turrets, turret-and-hull interfaces, any mooring line and chain and riser tensioning line segments; and
(14) Status of quality-control records at various stages of fabrication.

(b) For any floating facilities, the CVA or project engineer must verify that proper procedures were used during the following:

(1) The loadout of the jacket, decks, piles, or structures from each fabrication site; and
(2) The actual installation of the facility or major modification and the related installation activities.

(c) For a floating facility, the CVA or project engineer must verify that proper procedures were used during the following:

(1) The loadout of the facility;
(2) The installation of foundation pilings and templates, and anchoring systems; and
(3) The installation of the mooring and tethering systems.

(d) The CVA or project engineer must conduct an onsite survey of the facility after transportation to the approved location.

(e) The CVA or project engineer must spot-check the equipment, procedures,