Empire Offshore Wind LLC

Empire Wind 2 Project

Article VII Application

Appendix G

Electric- and Magnetic-Field Assessment

June 2022

Exponent Engineering P.C.

Electrical Engineering and Computer Science Practice

Empire Wind 2 Project

Electric- and Magnetic-Field Assessment

Exponent
Engineering P.C.

Empire Wind 2 Project

Electric- and Magnetic-Field Assessment

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Acronyms and Abbreviations

A	Ampere
AC	Alternating current
EMF	Electric and magnetic fields
Exponent	Exponent Engineering P.C.
EW 2	Empire Wind 2
ft	Feet
Hz	Hertz
IEEE	Institute of Electrical and Electronics Engineers
JTB	Joint Transition Bay
km	Kilometer
kV	Kilovolt
kV/m	Kilovolt per meter
Lease Area	Designated Renewable Energy Lease Area OCS-A 0512
m	Meter
mG	Milligauss
mi	Mile
mm	Millimeter
mV/m	millivolts per meter
MW	Megawatt
nm	Nautical mile
NYPSC or Commission	New York Public Service Commission
OD	Outer diameter
POI	Point of interconnection at an expansion of the Barrett 138-kV Substation
NY Project	Portions of the Empire Offshore Wind LLC (EW 2) transmission system located within the State of New York
NY Project Area	The submarine export cable corridor, onshore export and interconnection cable corridors, and onshore substation facilities within New York State jurisdiction
RMS	Root mean square
ROW	Right-of-way

WNC	Winter normal conductor
XLPE	Cross-linked polyethylene

Limitations

At the request of Empire Offshore Wind, LLC (Empire), Exponent Engineering P.C. (Exponent) assessed the electric- and magnetic-field levels associated with the operation of the submarine export cables, onshore export cables, and onshore interconnection cables that will transport electricity generated by the Empire Wind 2 (EW 2) Project. This assessment is being submitted to the New York Public Service Commission for the portions of the EW 2 Project transmission system located within the State of New York (the NY Project) pursuant to Article VII of the New York Public Service Law.

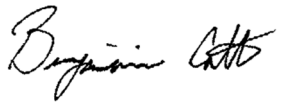
This report summarizes the analysis performed and presents the findings resulting from that work. In the analysis, we have relied on cable design geometry, usage, specifications, and various other types of information provided by Empire. We cannot verify the correctness of this input data and rely on Empire for the data's accuracy. Although Exponent has exercised usual and customary care in the conduct of this analysis, the responsibility for the design and operation of the NY Project remains fully with Empire. Empire has confirmed to Exponent that the data contained herein are not subject to Critical Energy Infrastructure Information restrictions.

The findings presented herein are made to a reasonable degree of engineering and scientific certainty. Exponent reserves the right to supplement this report and to expand or modify opinions based on review of additional material as it becomes available, through any additional work, or review of additional work performed by others.

The scope of services performed during this investigation may not adequately address the needs of other users of this report beyond the Article VII permitting of the NY Project for which it was prepared, and any re-use of this report or its findings, conclusions, or recommendations presented herein are at the sole risk of the user. The opinions and comments formulated during this assessment are based on observations and information available at the time of the investigation. No guarantee or warranty as to future life or performance of any reviewed condition is expressed or implied.

Benjamin R.T. Cotts, Ph.D., P.E. (Licensed Electrical Engineer, New York, #103209), employed by Exponent, performed calculations of the electric and magnetic fields associated with the operation of the proposed NY Project.

Reviewed By:



Benjamin Cotts, Ph.D., P.E.

Executive Summary

Empire Offshore Wind, LLC (Empire) proposes to construct and operate the Empire Wind 2 (EW 2) Project to be located within the Bureau of Ocean Energy Management designated Renewable Energy Lease Area OCS-A 0512. The proposed transmission system for the EW 2 Project will connect the offshore wind farm to the point of interconnection (POI), located in Oceanside in the Town of Hempstead, New York. Electricity from the offshore wind farm will be connected to the New York State electric grid by 230-kilovolt (kV) submarine export cables, 230-kV onshore export cables, and 345-kV onshore interconnection cables traversing a total of approximately 12.1 miles (19.5 kilometers) within the State of New York. The NY Project's onshore facilities are located within Nassau County, New York. This assessment of electric and magnetic fields (EMF) for the portions of the EW 2 Project transmission system located within the State of New York (collectively the NY Project) has been prepared for the New York Public Service Commission pursuant to Article VII of the New York Public Service Law.

For the NY Project's Article VII filing, Exponent Engineering P.C. (Exponent) modeled the 60-Hertz magnetic-field levels anticipated to be produced during operation of the underground transmission cables onshore and the submarine export cables offshore that convey electricity generated by the NY Project at the maximum capacity limits of the cables that correspond to the loading of an overhead transmission line operating at its winter normal conductor rating. Calculations were performed for operation at current flows consistent with the 1990 NYPSC EMF standard and using computer algorithms developed by the Bonneville Power Administration, an agency of the U.S. Department of Energy.

The calculated magnetic-field levels (both maximum and at the edge of the right-of-way) from the submarine export cables and the onshore interconnection cable are below 200 milligauss and thus comply with the magnetic-field guidelines of the NYPSC.

The NY Project will not be a direct source of electric fields above ground or at the seabed due to shielding of the electric field by the cable's construction and the ground or seabed. Therefore, electric-field levels will be below the electric-field guidelines of the NYPSC.

Note that this Executive Summary does not contain all of Exponent's technical evaluations, analyses and conclusions. Hence, the main body of this report is always the controlling document.

Introduction

1.1 Project Description

Empire Offshore Wind, LLC (Empire) proposes to construct and operate the Empire Wind 2 (EW 2) Project within the Bureau of Ocean Energy Management designated Renewable Energy Lease Area OCS-A 0512 (Lease Area).

The proposed EW 2 Project will connect the offshore wind farm to the point of interconnection (POI) with a sequence of transmission cables traversing a total of approximately 12.1 miles (mi) 19.5 kilometers [km]) within Nassau County, New York. Electric transmission lines with a design capacity of 125 kV or more extending a distance of one mile (1.6 km) or more are subject to review and approval by the New York Public Service Commission (NYPSC or Commission) as major electric transmission lines. This assessment of electric and magnetic fields (EMF) for the portions of the EW 2 Project transmission system located within the State of New York (collectively the NY Project) has been prepared for the New York Public Service Commission pursuant to Article VII of the New York Public Service Law.

Electricity from EW 2 wind farm turbines will be conveyed to the grid by three separate transmission circuits, each consisting of a sequence of 230-kilovolt (kV) submarine export cables, 230-kV onshore export cables, and 345-kV onshore interconnection cables. EW 2 will interconnect with the New York State Transmission System operated by the New York Independent System Operator at an existing substation, the Oceanside POI at the Barrett 138-kV Substation, in Oceanside, Town of Hempstead, New York. The NY Project's onshore facilities, including the onshore cable route, onshore substation, and the POI, are located entirely within Nassau County, New York.

This report first evaluates the offshore transmission lines, followed by an evaluation of the onshore transmission lines.

The EW2 Project and its route to shore is shown in Figure 1. The power generated by offshore wind turbines in the designated Lease Area (purple shading) is delivered to shore-based

infrastructure over 230-kV export cables along the indicated route (purple line). The 230-kV onshore export cables connect to the onshore substation in the Village of Island Park, New York, and the onshore interconnection cables connect the onshore substation to the POI in Oceanside, New York. An overview of the onshore NY Project is shown in Figure 2.

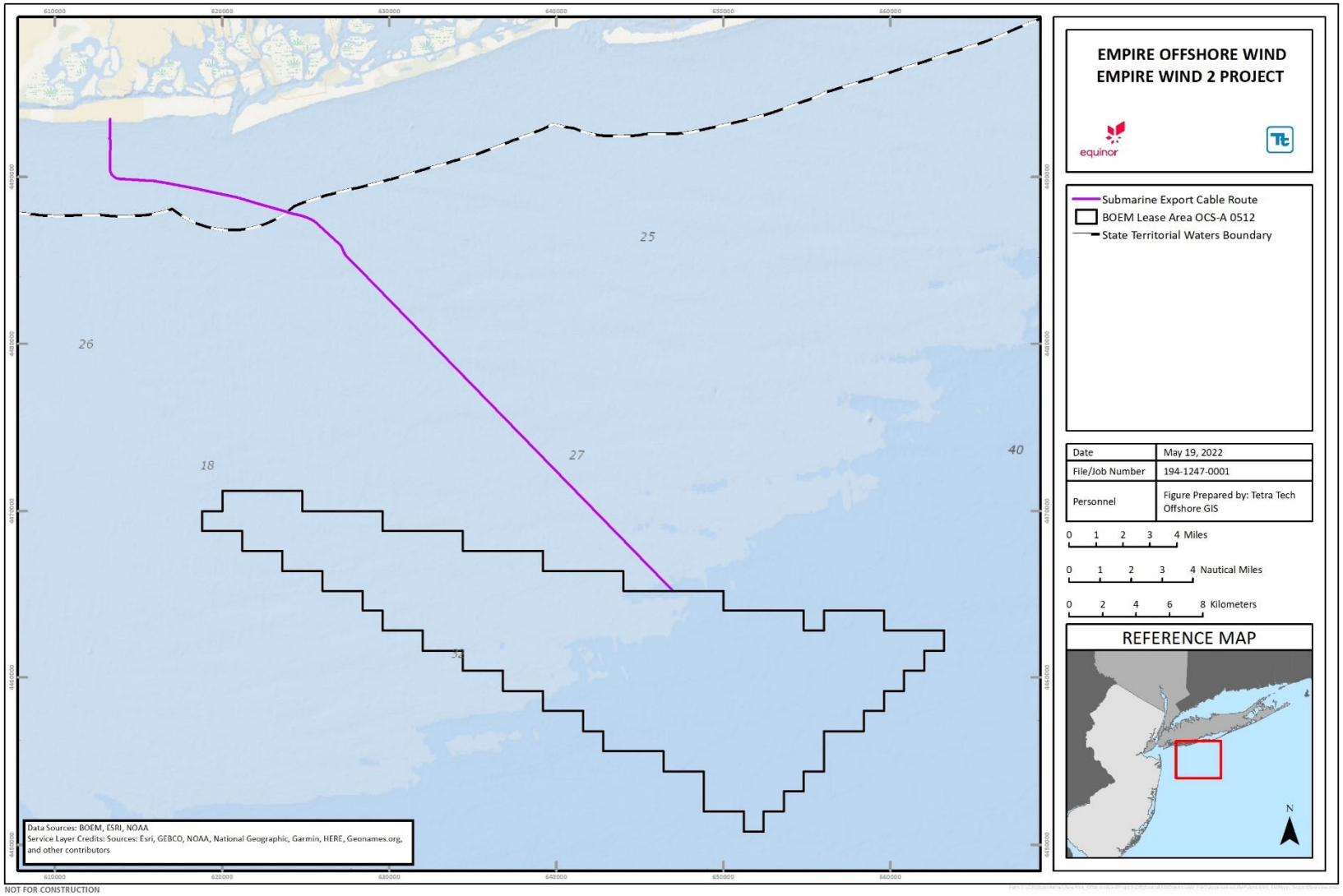


Figure 1. Overview of the EW2 Project.

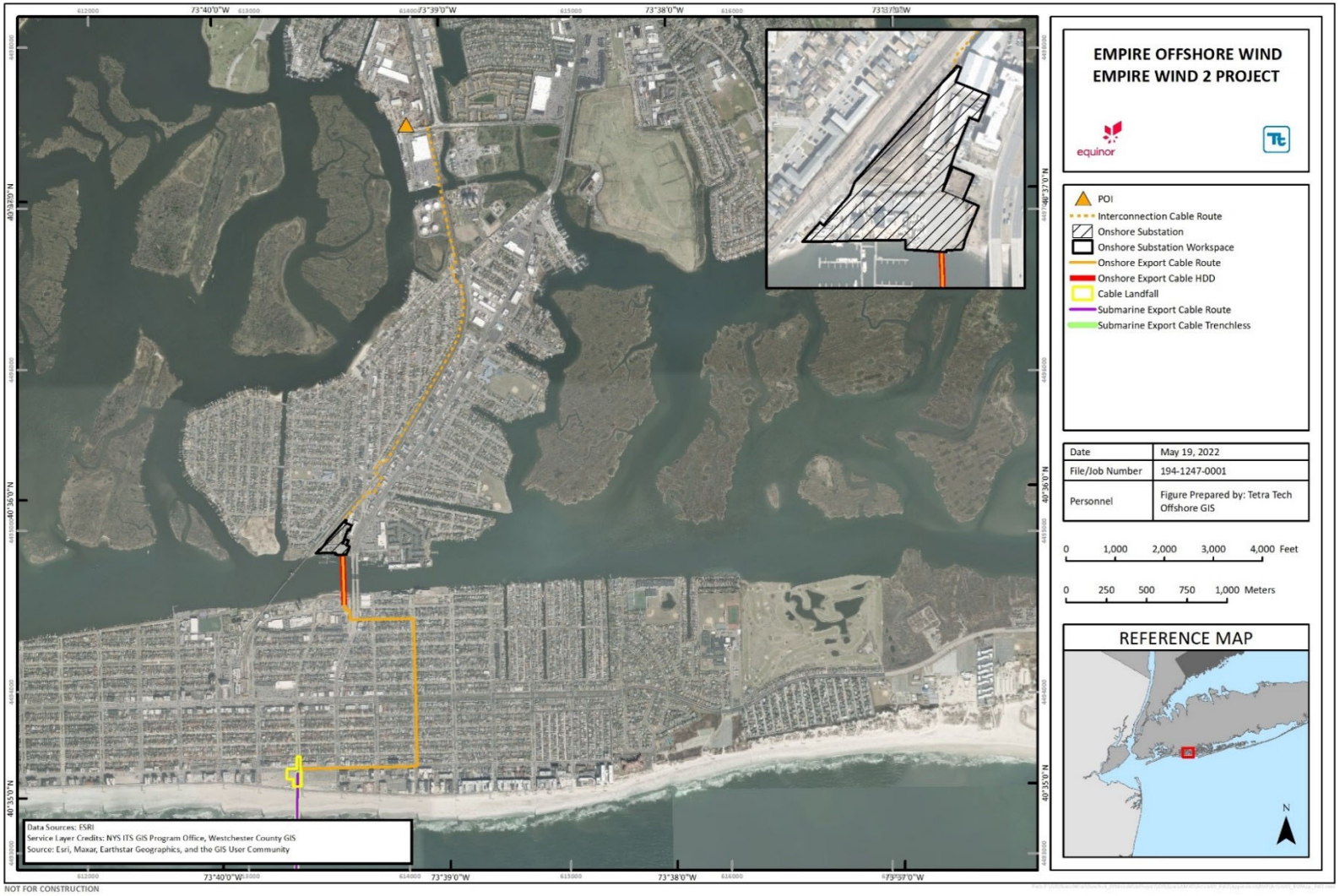


Figure 2. Overview of the of the proposed EW 2 onshore facilities.

The NY Project includes:

- Three 230-kV alternating-current (AC) submarine export cables, each with three conductor cores, located within an approximately 7.7-nautical miles (nm, 14.2-km)-long submarine export cable corridor from the boundary of New York State waters 3 nm (5.6 km) offshore to the cable landfall;
- A cable landfall in the City of Long Beach, New York;
- Three 230-kV onshore export cable circuits, each with three single-core AC onshore export cables within an approximately 1.5-mi (2.4-km)-long onshore export cable corridor from the cable landfall to the onshore substation;
- An onshore substation in the Village of Island Park, within the Town of Hempstead, New York, which will increase the voltage to 345-kV for the onshore interconnection cables; and
- Up to three 345-kV interconnection cable circuits, each with three single-conductor AC interconnection cables within an approximately 1.7-mi (2.8-km)-long interconnection cable corridor from the onshore substation to the POI.

This report summarizes the calculated levels of AC magnetic fields for the offshore submarine export cables, the onshore export cables, and the onshore interconnection cables.

1.2 Electric and Magnetic Fields

The flow of electric currents on the NY Project's offshore submarine export cables and onshore export and interconnection cables will be sources of electric and magnetic fields (EMF). Like all wiring and equipment connected to the electrical system in North America, the EMF surrounding the cables will oscillate with a frequency of 60 Hertz (Hz).

The magnetic field results from the flow of electricity along the cable and the magnetic flux density is reported in units of milligauss (mG), where 1 Gauss = 1,000 mG. The magnetic field will be strongest at the surface of the cables and will decrease rapidly with distance from the cables.

While the voltages applied to conductors within these cables are a source of electric fields, the cable insulation, the outer grounded metallic sheathing, and the earth itself covering the cables will block the electric field from entering the environment around the cables. Therefore, electric-field values are not discussed further.

2 Assessment Criteria

While the federal government has not established standards for EMF produced by transmission infrastructure, New York State has established guidelines and limits for EMF that must be followed by utility companies seeking Certificates of Environmental Compatibility and Public Need under Article VII for lines operating at 125 kV or higher. The NYPSC established guidelines in 1978 for electric fields generated by new transmission lines in Opinion No. 78-13. In 1990, the NYPSC established guidelines for magnetic-field levels for new transmission lines in their Interim Policy Statement on Magnetic Fields.

Magnetic Fields

The NYPSC's Interim Policy guideline states that magnetic fields created by Article VII transmission lines cannot exceed 200 mG at the edge of the right of way (ROW). Pursuant to the Interim Policy, the magnetic-field level is to be measured or calculated at 3.3 feet (ft) (1 meter [m]) above ground, with the transmission line operating at a current flow equal to the winter normal conductor (WNC) rating. The NYPSC established these limits so that EMF from new transmission lines would not exceed levels from existing transmission lines throughout New York; in other words, the limits maintain the *status quo*.

Electric Fields

The NYPSC also limits electric-field levels from overhead transmission lines to 1.6 kilovolts per meter (kV/m) at the ROW edge since the voltage applied to overhead conductors is a direct source of electric fields in the surrounding environment. The NY Project will not be a direct

source of any above ground electric fields since the electric fields will be blocked by the cable construction and ground. [1,2]

[1] An approximately 300-ft (91-m) segment of the onshore interconnection cable route at the crossing of Barnums Channel may be located aboveground via a cable bridge. The cable construction will likewise block the electric field outside the cable. The design of the cable bridge segment is not yet sufficiently advanced for modeling and therefore was not included in this assessment.

[2] In the marine environment there are some fish species that have specialized sensors to detect very weak electric fields, which are induced by any AC magnetic field, so as part of a marine environmental assessment, induced electric fields in seawater may be calculated for comparison to reported thresholds for detection by these species. These induced electric-field levels would be approximately 1 million times below the NYPSC limit, so are not included in this assessment.

Cable Configuration and Magnetic-Field Calculation Methods

Exponent calculated the 60-Hz magnetic fields from the submarine export and onshore interconnection cables proposed to be installed as part of the NY Project. The proposed submarine export cable configurations, onshore export and interconnection cable configurations are described in Attachment A. The methods used to calculate magnetic fields and a description of the cable configurations are described below.

2.1 Submarine Export Cables

The specifications for the proposed submarine export cables are summarized in Attachment A, Table A-1. The three 230-kV submarine export cables will traverse the offshore export cable route installed approximately parallel to one another. Each submarine export cable contains three-phase conductors encased within cross linked polyethylene (XLPE). A horizontal distance of 33 ft (10 m) is expected to be the minimum separation between parallel export cables.[3] A cross-sectional drawing illustrating the components of a representative three-conductor XLPE cable is shown in Attachment A, Figure A-1.

The minimum target burial depth for the portion of the submarine export cable in New York State waters is 6 ft (1.8 m)[4] beneath the seabed; however, a conservative depth of 4 ft (1.2 m) was used for the purposes of EMF calculations, which will result in higher calculated magnetic-field levels than if the cable were buried deeper. Where it is impossible to bury the cable, it will be laid on the surface of the seabed for short distances and covered with protective coverings. Protective coverings for surface-laid cable may include rock berms, rock bags, or concrete mattresses. The minimum coverage depth (seabed + covering) for any of these surface-laid

[3] Deviations from this separation distance could occur due to site constraints and installation tolerances. The portion of the submarine export cables approaching landfall or onshore, or both, may be installed at a reduced separation distance if required due to site constraints. Additional information will be provided in Empire's Environmental Management and Construction Plan.

[4] Empire requested that Exponent use 4 ft (1.2 m) as a conservative minimum depth of submarine cable installation for the purposes of EMF calculations. The submarine export cables are anticipated to be installed to a target of 6 ft (1.8 m) depth or greater.

portions of the route is 3.3 ft (1.0 m), and it is expected that no more than 10 percent of the route will be surface-laid. The ampacity rating of the 230-kV submarine export cables (equivalent to the WNC rating of an overhead transmission line) is 1,102 A.

2.2 Onshore Export Cables

At landfall, the three submarine export cable circuits will enter JTBs where each conductor of the submarine cables will be spliced to individual onshore single-core, cross linked polyethylene (XLPE) export cables (three for each circuit, nine cables total). Between the JTB and the onshore substation, the onshore export cables will be constructed in one of three triple-circuit underground duct bank configurations, each with a different geometrical configuration—delta (Figure 3a), inverted delta (Figure 3b), and horizontal (Figure 3c). All three duct bank configurations will be installed at a minimum target burial depth of 3 feet (ft) (0.9 meters [m]) and will be constructed at the center of a 25-ft (7.6-m) wide cable corridor (i.e., a ROW) during operation. Each of the three circuits (regardless of duct bank configuration) will operate at 230-kV and were modeled with a cable ampacity rating (equivalent to the WNC rating of an overhead transmission line) of 1143 A. Further details of the onshore export cables and the respective duct bank configurations are discussed in Attachment A.

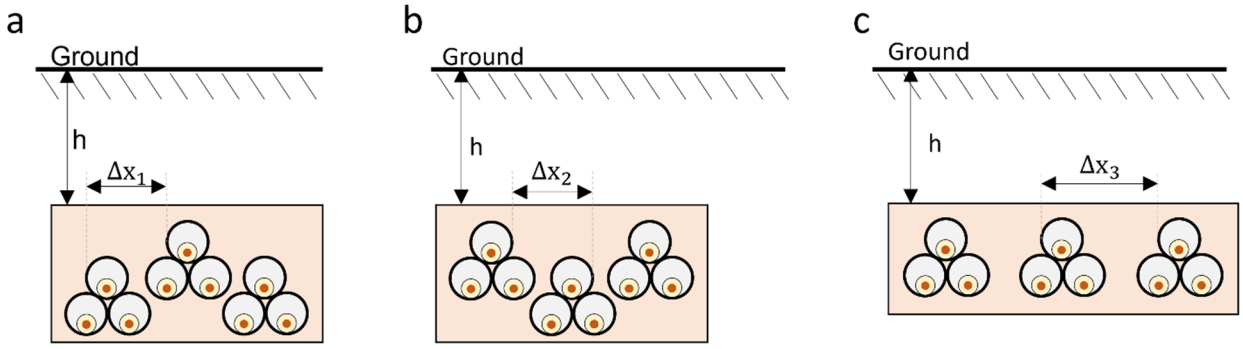


Figure 3. Three duct bank configurations considered for the 230-kV onshore export cables or 345-kV interconnection cables showing three circuits each in a trefoil configuration: a) delta; b) inverted delta; and c) horizontal.

2.3 Onshore Interconnection Cables

At the onshore substation, the voltage of the export cables will be stepped up from 230-kV to 345 kV. Onshore interconnection cables will carry power from the onshore substation to the existing POI on up to three 345-kV underground interconnection cable circuits. Each circuit consists of three single-conductor XLPE phase conductors installed in conduits, arranged in a trefoil configuration within a duct bank installed at the center of a 25-ft (7.6-m) ROW. The onshore interconnection cables will be constructed using either two 345-kV circuits or three 345-kV circuits, as described in greater detail below.

2.3.1 Triple-Circuit 345-kV Interconnection Cables

In this design, the onshore interconnection cables will be constructed in one of three possible triple-circuit underground duct bank arrangements with the same geometrical configurations as proposed for the 230-kV onshore export cables, as shown in Figure 3 above. All three duct bank configurations will be installed at a minimum target burial depth of 3 feet (ft) (0.9 meters [m]). Each of the three circuits (regardless of duct bank configuration) will operate at 345-kV and were modeled with a cable ampacity rating (equivalent to the WNC rating of an overhead transmission line) of 773 A.

2.3.2 Double-Circuit 345-kV Interconnection Cables

In this design, the onshore interconnection cables will be constructed in a double-circuit underground duct bank arrangement with a geometrical configuration similar to that shown in Figure 3c above but using only two horizontally adjacent trefoil bundles instead of three. This duct bank configuration will be installed at a minimum target burial depth of 3 feet (ft) (0.9 meters [m]). Each of the two circuits will operate at 345-kV and were modeled with a cable ampacity rating (equivalent to the WNC rating of an overhead transmission line) of 1111 A. Further details of the onshore interconnection cables and the respective duct bank configurations are discussed in Attachment A.

Table 1. Current flow in the NY Project cables at WNC rating

Project	Voltage (kV)	WNC Current (Amperes)
Submarine Export Cable	230	1,102
Onshore Export Cable	230	1,143
Triple-Circuit Onshore Interconnection Cable	345	773
Double-Circuit Onshore Interconnection Cable	345	1,111

2.4 Magnetic-Field Calculations

Exponent used the data provided by Empire—ampacity ratings, phasing, and cable configurations—to calculate magnetic-field levels for the proposed NY Project. The calculations were performed using algorithms developed by the Bonneville Power Administration (BPA), an agency of the U.S. Department of Energy, for modeling AC transmission lines. BPA's algorithms utilize simplifying assumptions about the conductors to yield conservative results. Chartier and Dickson (1990) and Perrin et al. (1991) have shown that BPA's algorithms accurately predict magnetic-field levels from AC transmission lines.

The calculations of the magnetic field for the submarine and onshore export and interconnection cables assumed that all conductors are parallel to one another and infinite in length, the load on the phase conductors is balanced, there is no attenuation of magnetic fields from any surrounding material, there are no unbalanced currents flowing along the outer sheaths of the cables, and that the cables are carrying electrical currents equal to their ampacity ratings (equivalent to the WNC rating of an overhead transmission line).

All calculations were performed along a transect perpendicular to the transmission line centerlines and reported at a height of 3.3 ft (1 m) above ground. This is consistent with Institute of Electrical and Electronics Engineers (IEEE) Standards—C95.3-2021 and 0644-2019 (IEEE, 2010, 2019). Magnetic-field values are reported as root-mean-square (rms) flux density

in mG and were calculated as the magnitude of the field along the major axis of the ellipse as specified by the interim NYPSC EMF standard (1990).[5]

[5] This contrast to IEEE Standard 644-2019 and C95.3-2021, which specify that fields are calculated as the rms flux density of the resultant of three orthogonal field vectors and the magnetic-field levels calculated in the offshore report submitted to the Bureau of Ocean Energy Management. The resultant values are equal to or larger than the major axis of the ellipse in all locations.

Magnetic-Field Results

The calculated magnetic-field levels from cable configurations proposed for the various sections of the NY Project route are discussed below. Table B-1, **Error! Reference source not found.**, and Table B- in Attachment B summarize the calculated magnetic-field levels at various horizontal distances from the transmission line centerlines. Attachment C includes graphic profiles of the calculated magnetic-field levels (Figure C-1 through Figure C-8). Attachment D summarizes the transmission line data provided by Empire that were used to model magnetic-field levels for the proposed NY Project. The calculated post-construction magnetic-field levels at 1-ft (0.3-m) increments across each cross-section to ±500 ft (±152 m) from the ROW centerline were calculated. These results are provided in Attachment E, truncated to ±300 ft (±91 m) for brevity given that all calculated values for all cables and configurations are < 0.1 mG for horizontal distances beyond approximately ±250 ft (±76.2 m).

The maximum calculated post-construction magnetic-field level (as well as magnetic-field levels at greater distances from the transmission lines) were calculated to be below the NYPSC standard of 200 mG for all modeled configurations. As listed in Table B-1, **Error! Reference source not found.**, and Table B- the maximum magnetic-field levels for all proposed cable configurations is calculated to be 79 mG or less. The magnetic-field levels further decrease with increasing distance from the transmission line centerline for all proposed cable configurations. At ±12.5 ft (±3.8 m) from the submarine export cable, or duct bank centerline for the onshore export cables and triple-circuit interconnection cables the magnetic-field level is 16 mG or less. Calculated magnetic-field levels at 50 ft (15 m) from the center line of the offshore or 3-circuit onshore cables are 0.8 mG or less. At these same horizontal distances from the duct bank centerline, the magnetic field values for the 345-kV double-circuit interconnection cables are 27 mG and 2.5 mG, respectively.

Conclusions

This report summarizes an evaluation of the EMF associated with representative configurations of the proposed submarine export and onshore interconnection cables that will carry electricity from EW 2 to the POI as part of the NY Project.

Magnetic Fields

Magnetic-field calculations were performed using methods accepted within the scientific and engineering community and that have been found to match well with measured values. Calculations of the magnetic field at a height of 3.3 ft (1 m) above ground and at cable ampacity ratings (equivalent to WNC ratings of overhead lines) show that the maximum calculated magnetic-field levels above the NY Project's transmission cables both offshore and onshore configurations are below the NYPSC standard of 200 mG for all modeled configurations. Thus, calculations of the magnetic field performed in accordance with the NYPSC's interim magnetic-field standard demonstrate compliance of the NY Project with the NYPSC limit of 200 mG.

Electric Fields

The NYPSC also requires a not-to-exceed electric-field limit of 1.6 kV/m at the ROW edge of new transmission lines. Since the electric field from the proposed transmission cables is blocked by either the cable construction and ground, the NY Project will not be a direct source of any electric field, and any electric field induced by the magnetic field will be *de minimis* and below the NYPSC limit.

References

Bonneville Power Administration (BPA). Corona and Field Effects Computer Program. Bonneville Power Administration, 1991.

Chartier VL and Dickson LD. Results of Magnetic Field Measurements Conducted on Ross-Lexington 230-kV Line. Report No. ELE-90-98. Bonneville Power Administration, 1990.

Institute of Electrical and Electronics Engineers (IEEE). Standard Procedures for Measurement of Power Frequency Electric and Magnetic Fields from AC Power Lines (ANSI/IEEE Std. 644-2019). New York: IEEE, 2019.

Institute of Electrical and Electronics Engineers (IEEE). IEEE Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz to 300 GHz. New York: IEEE. IEEE Std. C95.3-2021.

New York Public Service Commission (NYPSC). Opinion No. 78-13. Cases 26529 and 26559, Issued June 19, 1978.

New York Public Service Commission (NYPSC). Statement of Interim Policy on Magnetic Fields of Major Electric Transmission Facilities. Cases 26529 and 26559 Proceeding on Motion of the Commission. Issued and Effective: September 11, 1990.

Perrin N, Aggarwal RP, Bracken TD, Rankin RF. Survey of Magnetic Fields near BPA 230-kV and 500-kV Transmission Lines, 1991.

Attachment A

Cable Configurations and Duct Bank Cross-Sections

Table A-1. Summary of assumed submarine export cable parameters

Installation Type	Buried[a,b]
Description	Submarine Export Cable, 230-kV double circuit
Cable Ampacity Rating[c] (i.e., WNC Rating)	1102 Amperes
Cable Type (See Figure A-1) Nominal Outer Diameter (OD)	Three-conductor XLPE, 300 millimeter (mm) OD
Conductor	3 × 2000 mm^2
Distance Between Conductor Centers Within Cable	102 mm
Minimum Horizontal Distance Between Cables	33 ft (10 m)[d]
Modeled Burial Depth (to Top of Cable)	4 ft (1.2 m)

a Empire used 4 ft (1.2 m) as a conservative minimum depth of submarine cable installation for the purposes of EMF calculations. The submarine export cables are anticipated to be installed to a target 6-ft (1.8-m) depth or greater. The portion of the submarine export cable route proposed to be installed in federally maintained channels will be installed to a minimum target burial depth of 15 ft (4.6 m) below the authorized dredge depth. Calculated magnetic-field levels will be lower for burial depths greater than the 4-ft (1.2-m) burial depth reported herein.

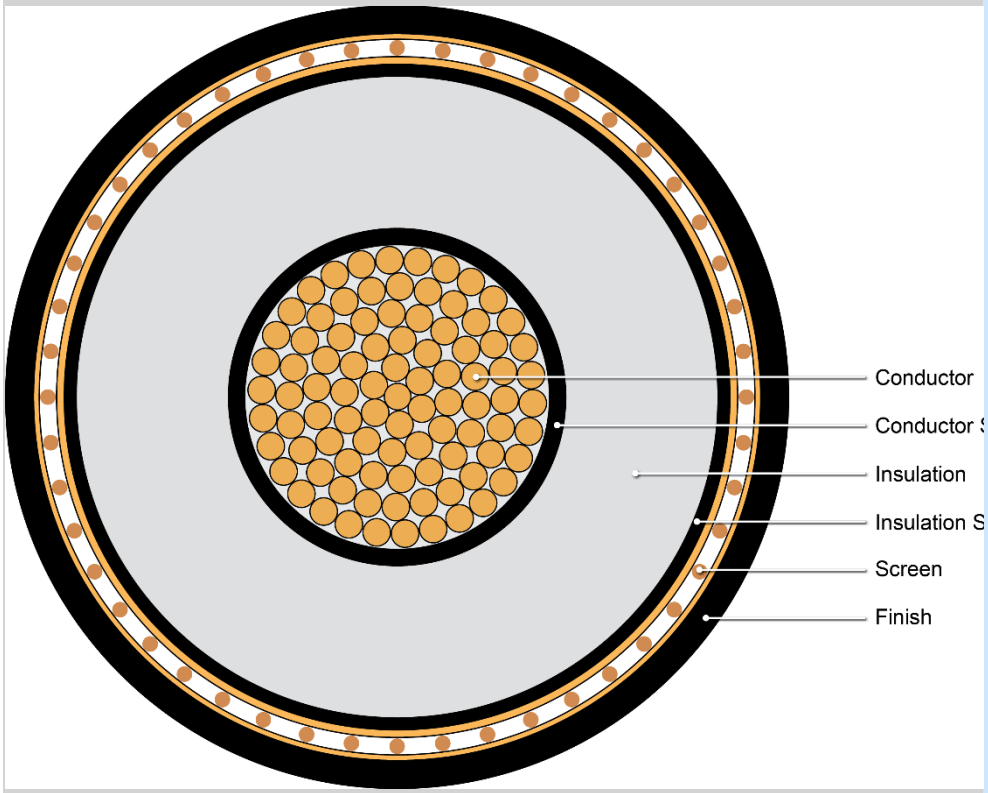
b Surface-laid cables will be covered with rock berm or other protective covering to a minimum burial depth of 3.3 ft (1.0 m).

c The ampacity rating of a submarine cable is taken as equivalent to the WNC rating of an overhead conductor.

d For two adjacent cables at a distance of 10 m from one another, the maximum calculated magnetic field value may increase by ~10%. However, the incorporation of helically twisting conductors would reduce the effect of overlapping fields from this nearest cable to a negligible level and so the potential for additive effects of adjacent submarine cables were not considered.

Table A-2. Summary of assumed onshore export and interconnection cable parameters

Project Section	**Onshore Export**	**Onshore Interconnection**	
Description	230-kV triple circuit	345-kV triple circuit	345-kV double circuit
Cable Ampacity Rating[c] (i.e., WNC Rating)	1143 A	773 A	1111A

Cable Type (See Figure A-2) Nominal OD	Single-core XLPE, 6-inch Outer Diameter (150 mm)	Single-core XLPE, 4.7-inch Outer Diameter (120.2 mm)	Single-core XLPE, 5.2-inch Outer Diameter (133 mm)
			
Conductor	2.5-inches (63.4 mm)	1.7-inches (43.1 mm)	2.2-inches (55.2 mm)
Number of circuits per duct bank	3	3	2
Number of cables per phase	1		
GCC cable type, OD	N/A		
Assumed Permanent Cable Corridor (i.e., ROW-width)	±12.5 ft (±3.8 m)		
Minimum Target Burial Depth (to Top of Duct Bank)	3 ft (0.9 m)		

a Edge-to-edge distance between duct banks.
b Center-to-center distance between circuit trefoil bundles.
c The ampacity rating of a submarine cable is taken as equivalent to the WNC rating of an overhead conductor.

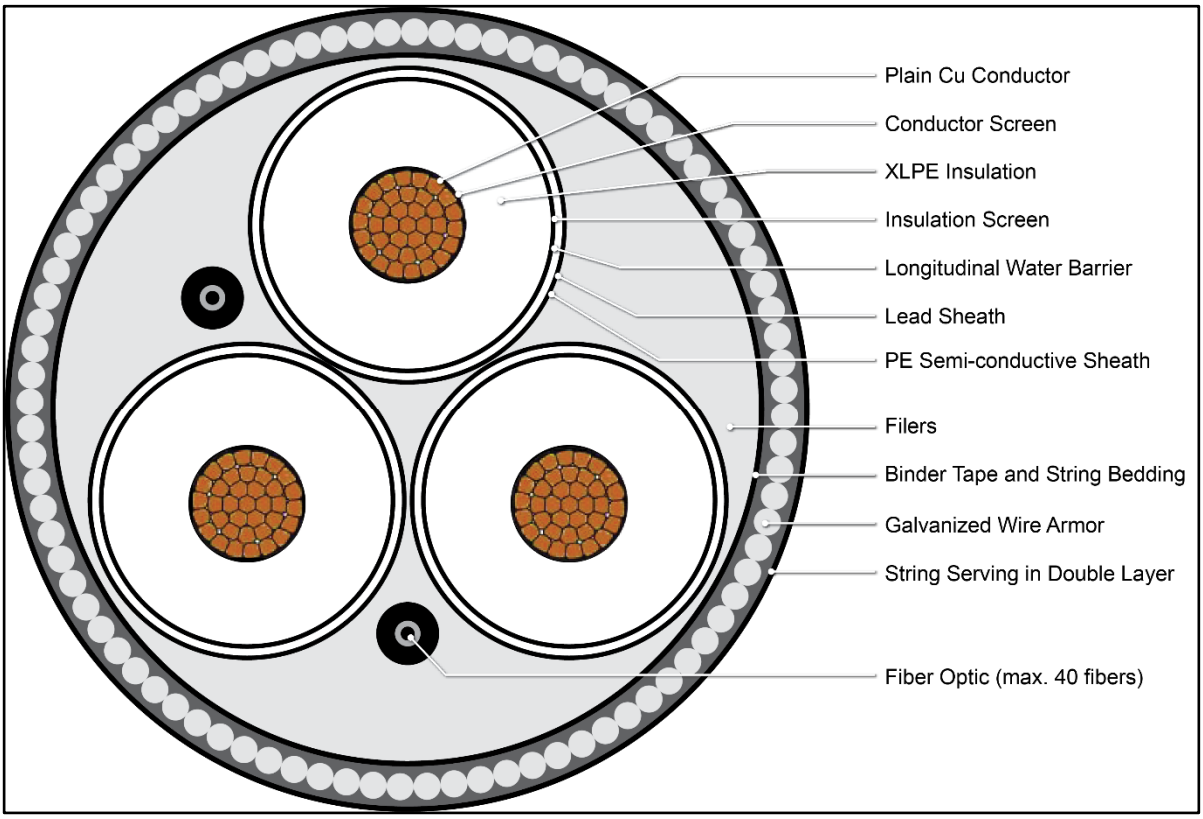


Figure A-1. Representative cross-section of the three-conductor submarine export cable.

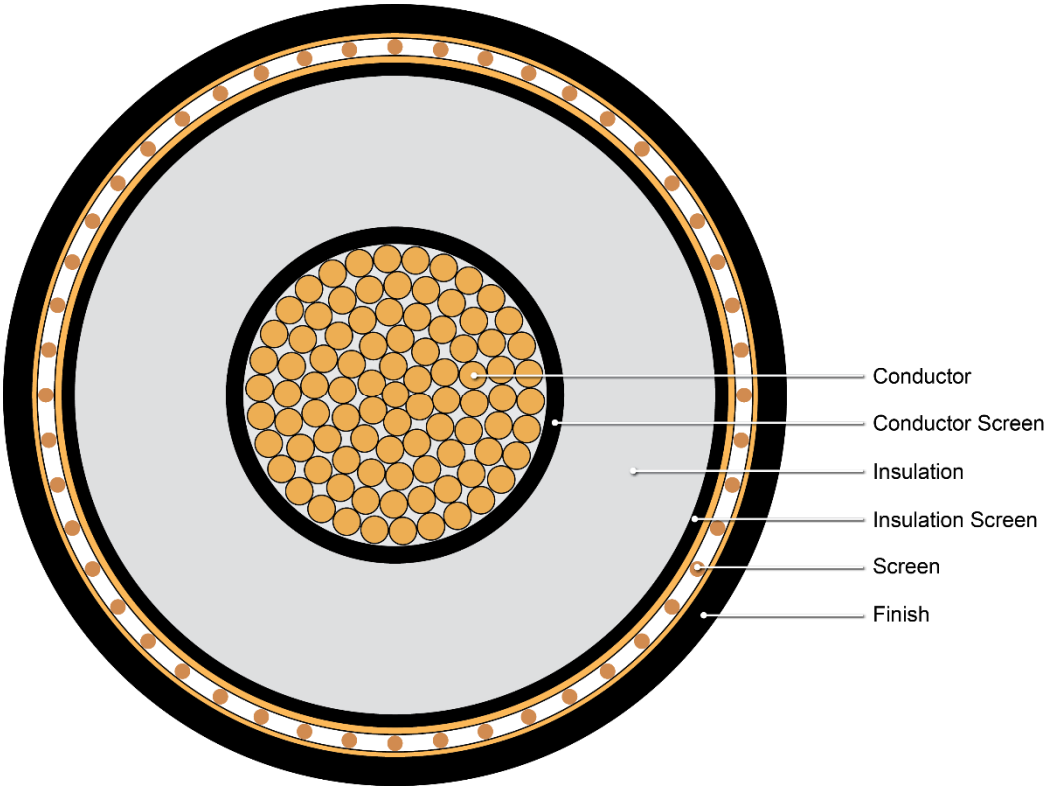


Figure A-2. Representative cross-section of onshore export cable.

EW2: Duct Bank Configurations

Dimensions of the four duct bank configurations modeled for EW2 in this report are shown in Figure A-3, below. Additionally, for each of the four duct bank configurations addressed in this report (three for both the onshore export and triple-circuit interconnection cables and one for the double-circuit interconnection cables), the particular configuration of the phase conductors within each trefoil group, and among trefoil groups, can significantly change the magnetic-field level above each respective duct bank due to the mutual cancellation of magnetic fields from adjacent cables and circuits. Exponent performed a phase optimization analysis for all possible phase permutations of the cables in each duct bank to determine which would minimize the calculated magnetic-field levels at a horizontal distance of 25 ft (7.6 m) from the center of the duct banks. The results of this phase optimization are shown in Figure A-3, below.

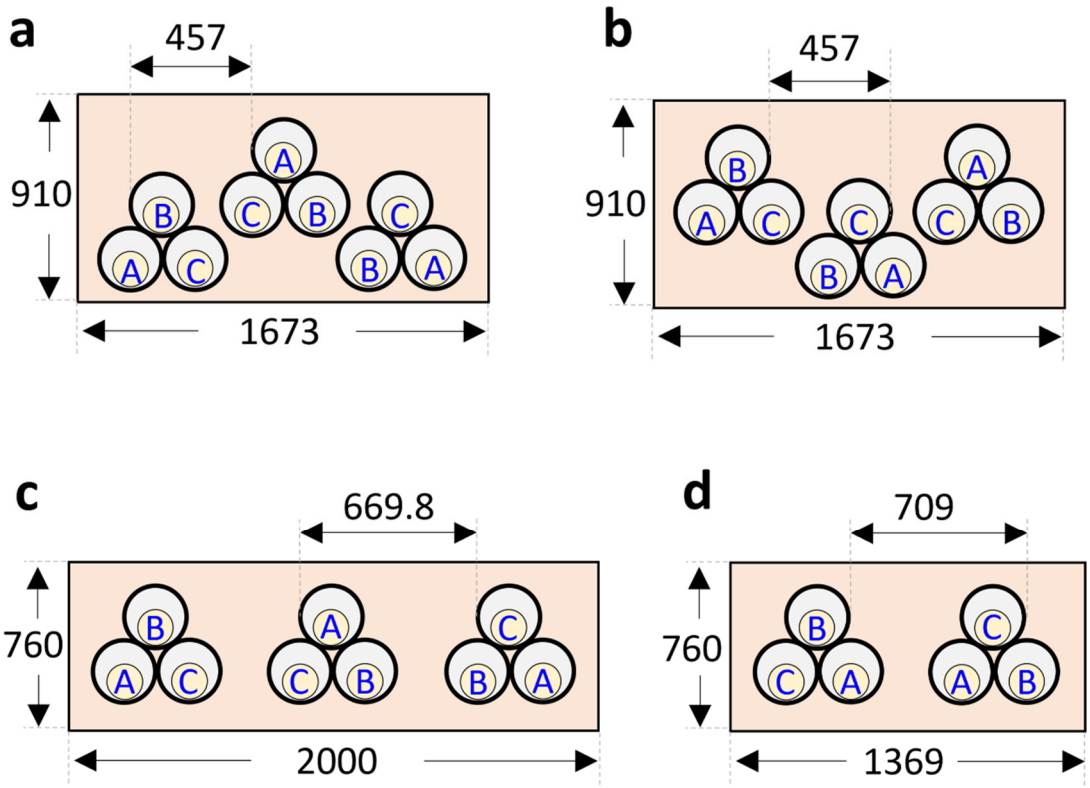


Figure A-3. Optimized arrangement of phase conductors, indicated by letters ABC, for the four respective duct bank configurations considered in this report. The a) Delta; b) Inverted Delta; and c) Triple-Circuit Horizontal configurations apply to both the 230-kV onshore export cable and Triple-circuit 345-kV interconnection cable: The d) Double-Circuit Horizontal configuration applies to the Double-circuit 345-kV interconnection cable only. Dimensions are in units of millimeters

Attachment B

Calculated Magnetic Fields

Table B-1. Calculated magnetic-field levels (mG)† at 3.3 ft (1 m) above ground, seabed, or surface laid cable with cover for WNC rating.

Cable Type	Submarine Cable Configuration	Distance from the Center of the Submarine Cables					
		Max	±12.5 ft (±3.8 m)	±25 ft (±7.6 m)	±50 ft (±15 m)	±75ft (±23 m)	±100 ft (±30 m)
230-kV Submarine Export Cable‡	Buried (4 ft [1.2m])	37	10	3.1	0.8	0.4	0.2
	Surface Covered (3.3 ft [1m])	45	10	3.2	0.8	0.4	0.2

† At each location along a transect perpendicular to the transmission centerline, magnetic-field levels were calculated as the rms flux density of the maximum field ellipse as specified by NYPSC policy (NYPSC, 1990).

‡ For two adjacent cables at a distance of 10 m from one another, the maximum calculated magnetic field value may increase by ~10%. However, the incorporation of helically twisting conductors would reduce the effect of overlapping fields from this nearest cable to a negligible level and so the potential for additive effects of adjacent submarine cables were not considered.

Table B-2. Calculated magnetic-field levels (mG) of onshore Export cables at 3.3 ft (1 m) above ground for WNC rating.

Cable Type	Cable Configuration	Distance from the Center of the Duct Banks					
		Max	±12.5 ft (±3.8 m)	±25 ft (±7.6 m)	±50 ft (±15 m)	±75 ft (±23 m)	±100 ft (±30 m)
230-kV Onshore Export Cable	Delta	31	6.9	1.3	0.2	0.1	<0.1
	Inverted Delta	70	8.9	1.4	0.2	0.1	<0.1
	Horizontal	79	16	2.8	0.4	0.1	<0.1

Table B-3. Calculated magnetic-field levels (mG) onshore Interconnection cables at 3.3 ft (1 m) above ground for WNC rating.

Cable Type	Cable Configuration	Distance from the Center of the Duct Banks					
		Max	±12.5 ft (±3.8 m)	±25 ft (±7.6 m)	±50 ft (±15 m)	±75 ft (±23 m)	±100 ft (±30 m)
345-kV Triple-Circuit Onshore Interconnection Cable	Delta	20	4.6	0.9	0.1	<0.1	<0.1
	Inverted Delta	46	6	0.9	0.1	<0.1	<0.1
	Horizontal	53	11	1.9	0.3	0.1	<0.1
345-kV Double-Circuit Onshore Interconnection Cable	Horizontal	59	27	9.1	2.5	1.1	0.6

Attachment C

Graphical Profiles of Calculated Magnetic Fields

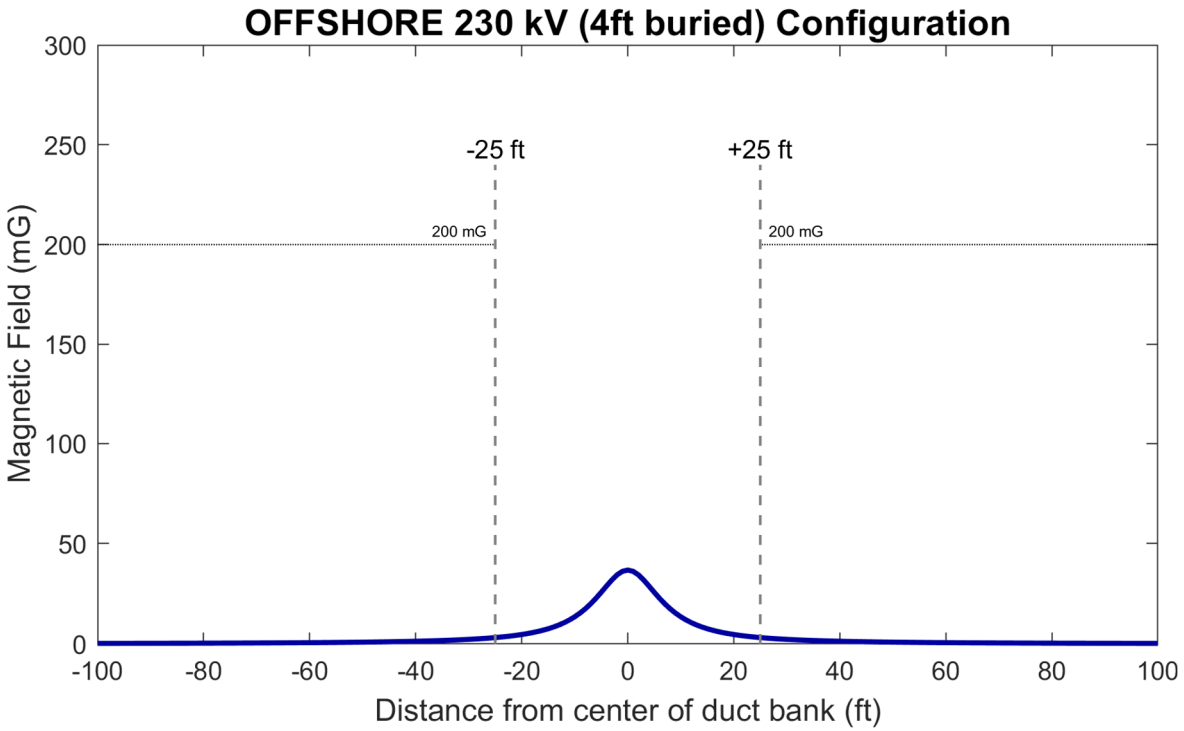


Figure C-1. Calculated magnetic-field levels in seawater 3.3 ft (1 m) above the seabed over the buried submarine export cable at WNC rating.

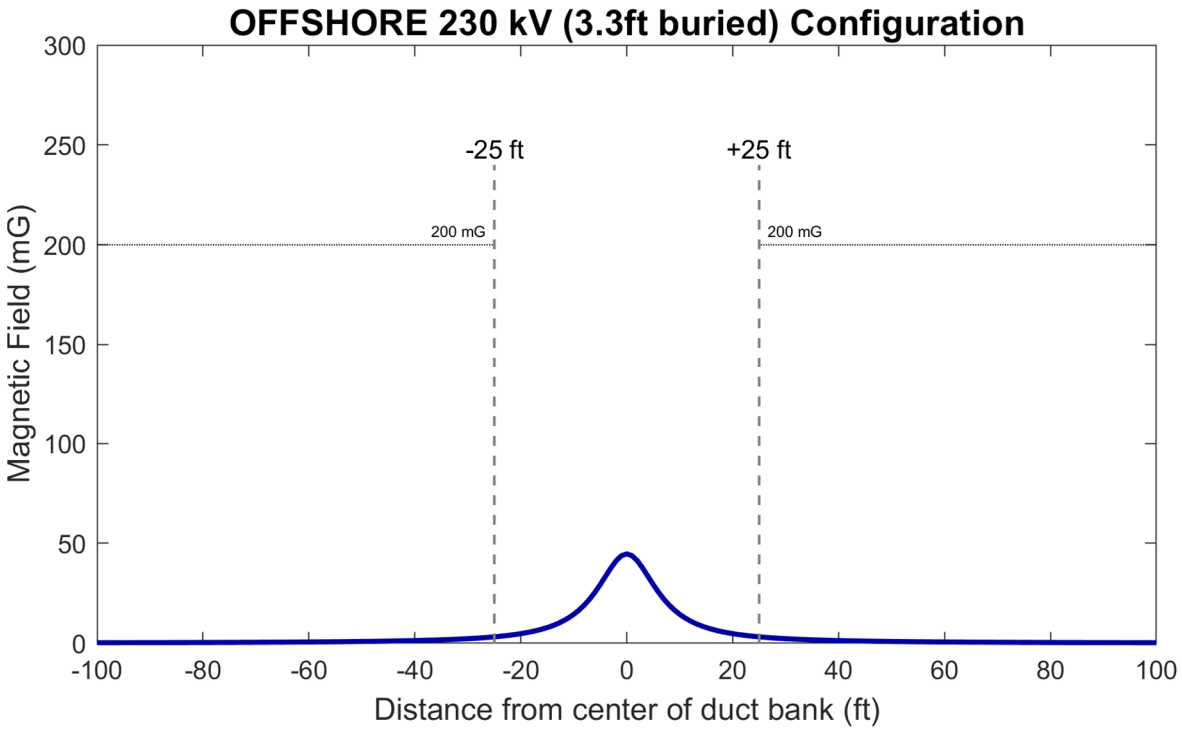


Figure C-2. Calculated magnetic-field levels in seawater 3.3 ft (1 m) above the surface-laid covering of the submarine export cable at WNC rating.

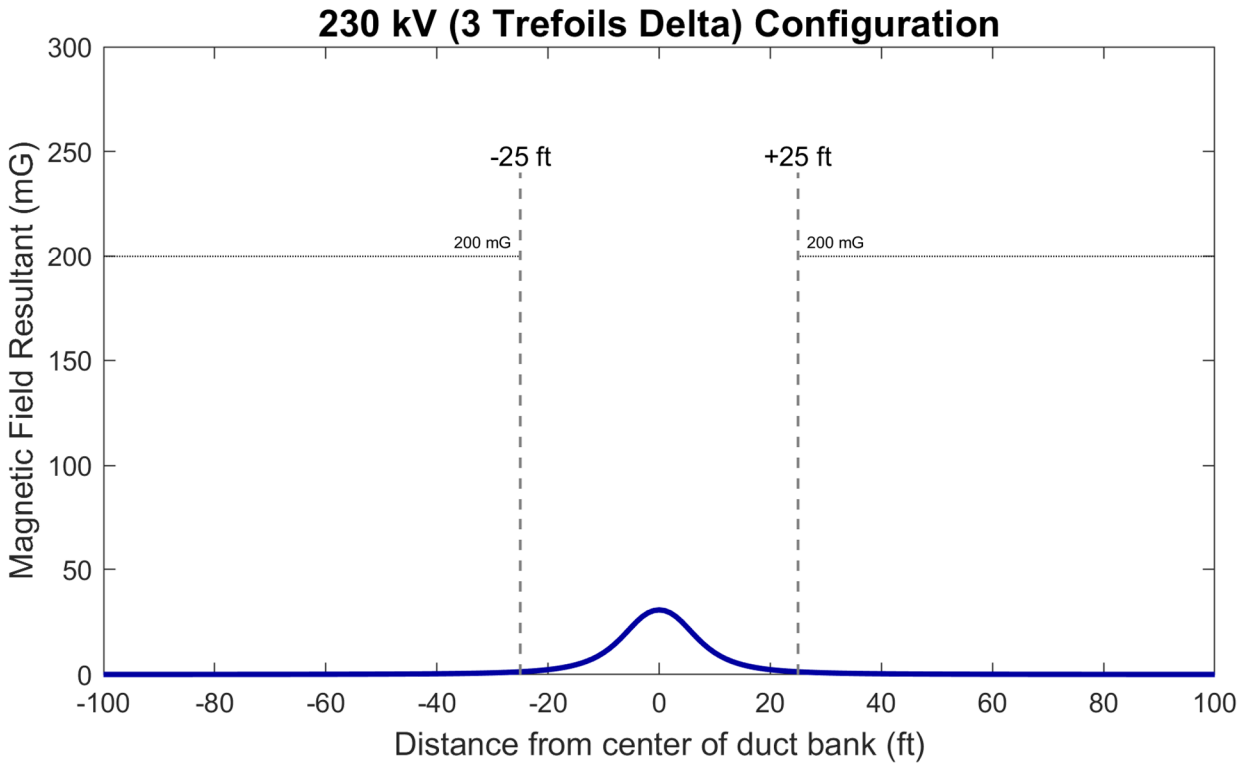


Figure C-3. Calculated magnetic-field levels at 3.3 ft (1 m) above ground for the onshore export cable in the 3-circuit Delta duct bank configuration at WNC rating.

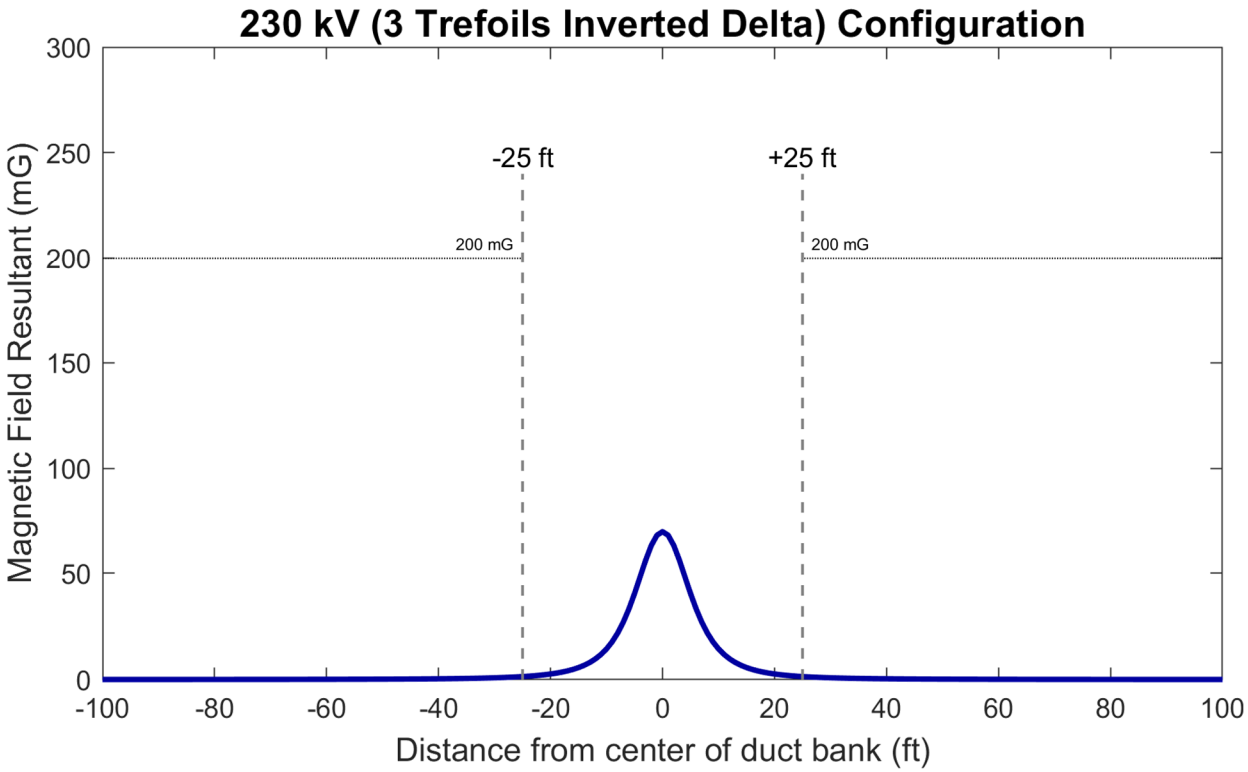


Figure C-4. Calculated magnetic-field levels at 3.3 ft (1 m) above ground over the onshore export cable in the triple-circuit inverted Delta duct bank configuration at WNC rating.

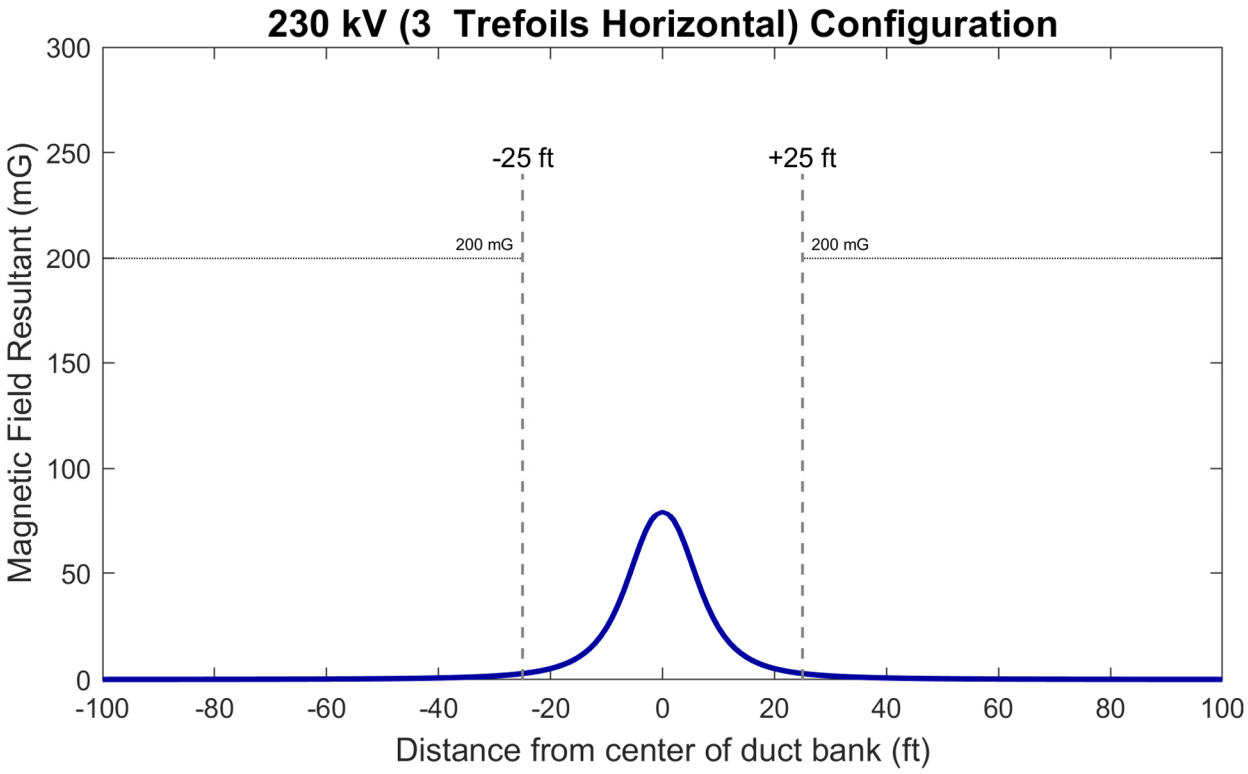


Figure C-5. Calculated magnetic-field levels at 3.3 ft (1 m) above ground over the onshore export cable in the flat triple-circuit horizontal duct bank configuration at WNC rating.

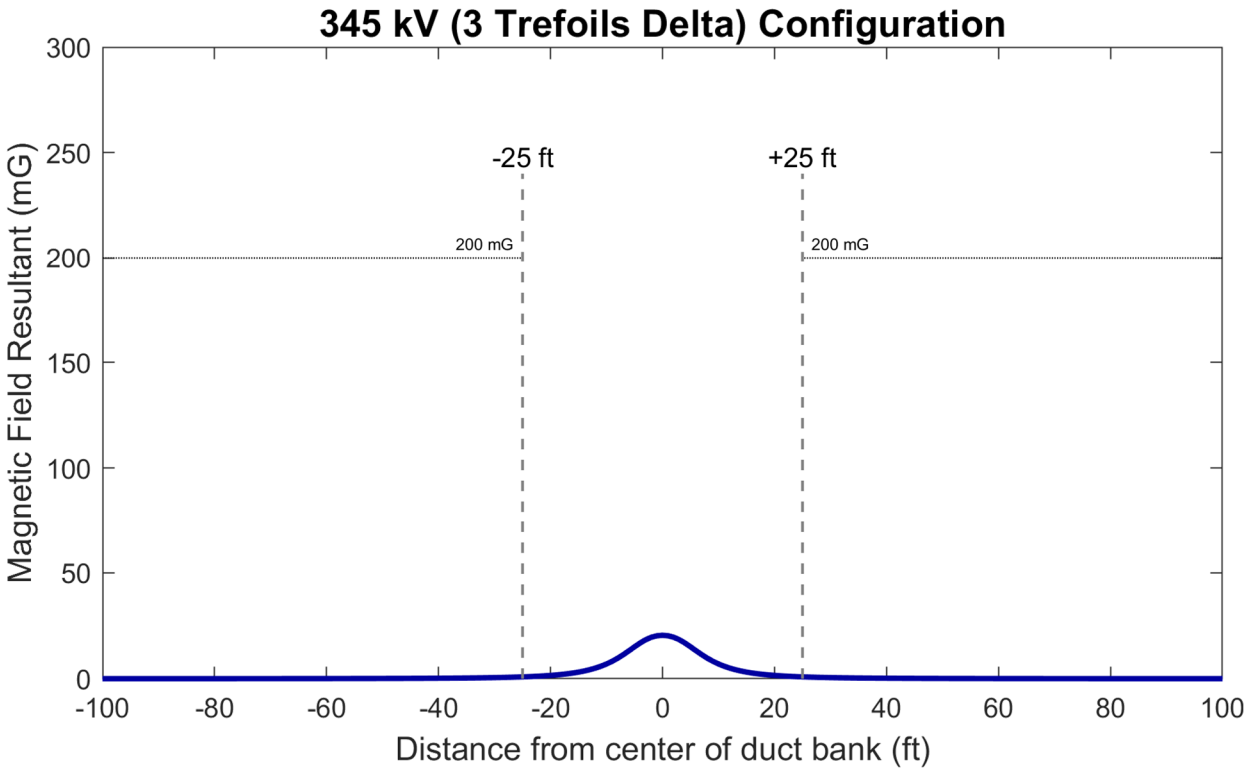


Figure C-6. Calculated magnetic-field levels at 3.3 ft (1 m) above ground over the onshore interconnection cable in the triple-circuit Delta duct bank configuration at WNC rating.

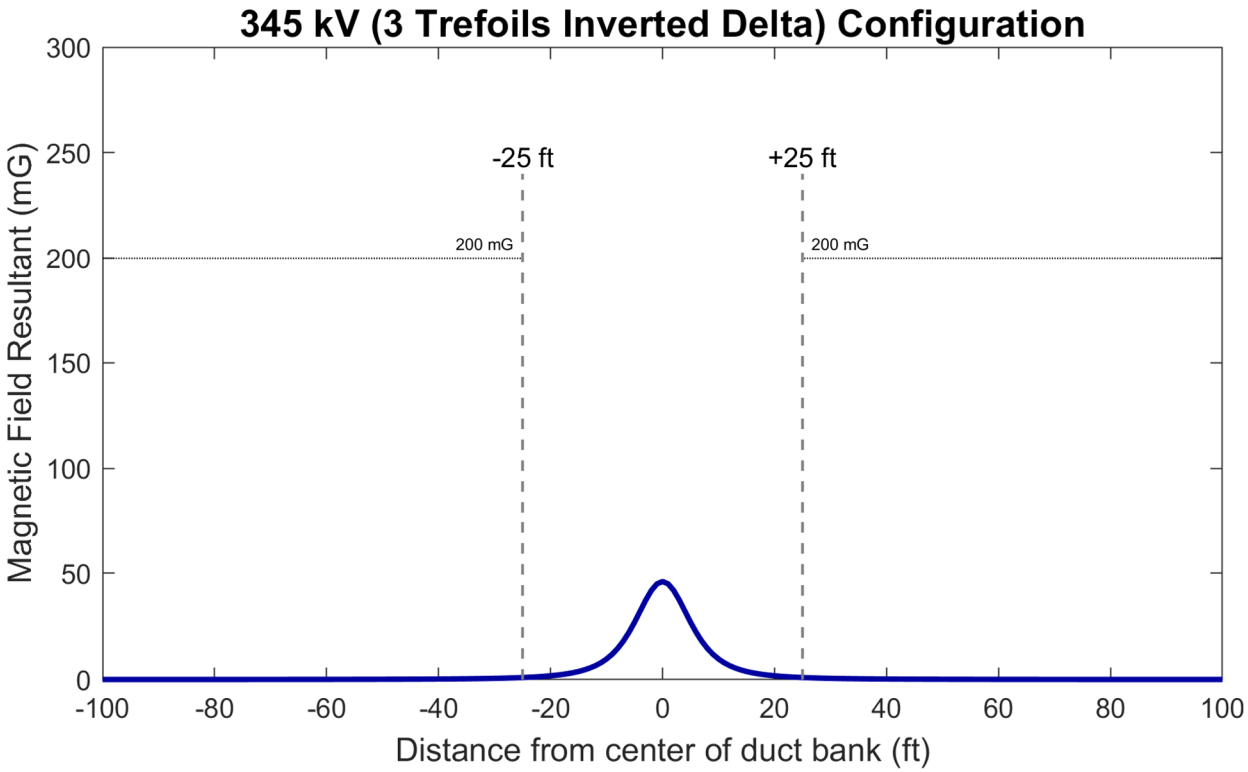


Figure C-7. Calculated magnetic-field levels at 3.3 ft (1 m) above ground over the onshore interconnection cable in the triple-circuit inverted Delta duct bank configuration at WNC rating.

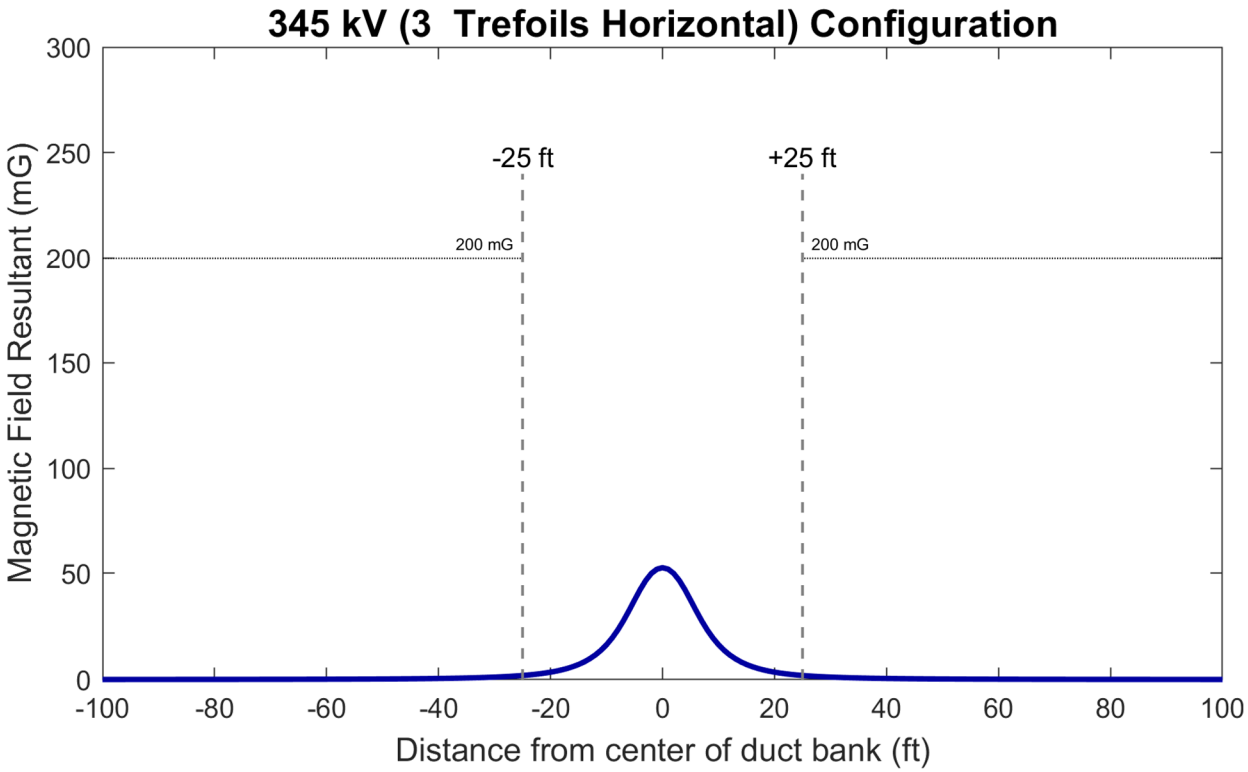


Figure C-8. Calculated magnetic-field levels at 3.3 ft (1 m) above ground over the onshore interconnection cable in the flat triple-circuit horizontal duct bank configuration at WNC rating.

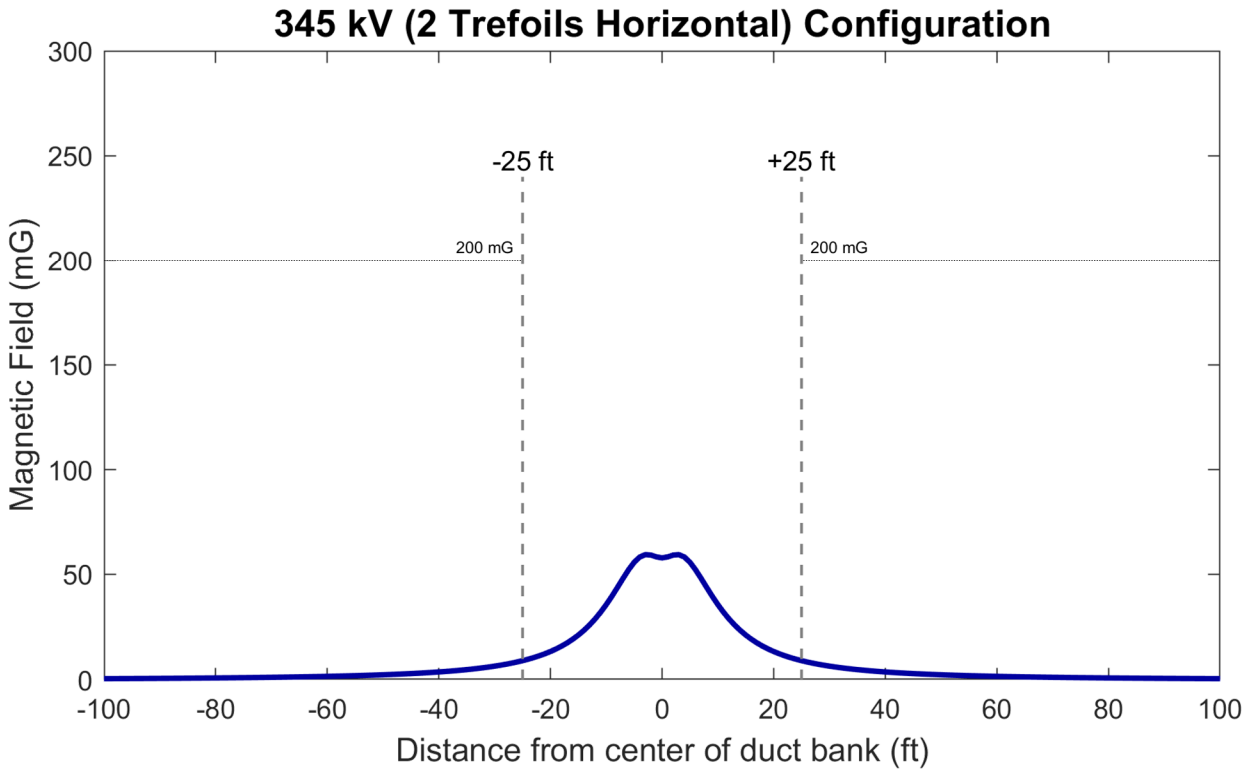


Figure C-9. Calculated magnetic-field levels at 3.3 ft (1 m) above ground over the onshore interconnection cable in the flat double-circuit horizontal duct bank configuration at WNC rating.

Attachment D

Input Data for Magnetic-Field Calculations

Table D-1. Input data for existing EMF calculations, 4 (230 kV (3 Trefoils Delta))

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-2.00	-5.49	1	2.362	0	132.791	0	1143	230	0
2	-1.50	-4.62	1	2.362	0	132.791	240	1143	230	240
3	-1.00	-5.49	1	2.362	0	132.791	120	1143	230	120
4	0.00	-3.76	1	2.362	0	132.791	0	1143	230	0
5	0.50	-4.62	1	2.362	0	132.791	240	1143	230	240
6	-0.50	-4.62	1	2.362	0	132.791	120	1143	230	120
7	2.00	-5.49	1	2.362	0	132.791	0	1143	230	0
8	1.00	-5.49	1	2.362	0	132.791	240	1143	230	240
9	1.50	-4.62	1	2.362	0	132.791	120	1143	230	120

Table D-2. Input data for existing EMF calculations, 5 (230 kV (3 Trefoils Inverted Delta))

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-2.00	-4.62	1	2.362	0	132.791	0	1143	230	0
2	-1.50	-3.76	1	2.362	0	132.791	240	1143	230	240
3	-1.00	-4.62	1	2.362	0	132.791	120	1143	230	120
4	0.50	-5.49	1	2.362	0	132.791	0	1143	230	0
5	-0.50	-5.49	1	2.362	0	132.791	240	1143	230	240
6	0.00	-4.62	1	2.362	0	132.791	120	1143	230	120
7	1.50	-3.76	1	2.362	0	132.791	0	1143	230	0
8	2.00	-4.62	1	2.362	0	132.791	240	1143	230	240
9	1.00	-4.62	1	2.362	0	132.791	120	1143	230	120

Table D-3. Input data for existing EMF calculations, 6 (230 kV (3 Trefoils Horizontal))

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-2.70	-4.81	1	2.362	0	132.791	0	1143	230	0
2	-2.20	-3.94	1	2.362	0	132.791	240	1143	230	240
3	-1.70	-4.81	1	2.362	0	132.791	120	1143	230	120
4	0.00	-3.94	1	2.362	0	132.791	0	1143	230	0
5	0.50	-4.81	1	2.362	0	132.791	240	1143	230	240
6	-0.50	-4.81	1	2.362	0	132.791	120	1143	230	120
7	2.70	-4.81	1	2.362	0	132.791	0	1143	230	0
8	1.70	-4.81	1	2.362	0	132.791	240	1143	230	240
9	2.20	-3.94	1	2.362	0	132.791	120	1143	230	120

Table D-4. Input data for existing EMF calculations, 8 (345 kV (3 Trefoils Delta))

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-2.00	-5.54	1	1.697	0	199.186	0	773	345	0
2	-1.50	-4.67	1	1.697	0	199.186	240	773	345	240
3	-1.00	-5.54	1	1.697	0	199.186	120	773	345	120
4	0.00	-3.80	1	1.697	0	199.186	0	773	345	0
5	0.50	-4.67	1	1.697	0	199.186	240	773	345	240
6	-0.50	-4.67	1	1.697	0	199.186	120	773	345	120
7	2.00	-5.54	1	1.697	0	199.186	0	773	345	0
8	1.00	-5.54	1	1.697	0	199.186	240	773	345	240
9	1.50	-4.67	1	1.697	0	199.186	120	773	345	120

Table D-5. Input data for existing EMF calculations, 9 (345 kV (3 Trefoils Inverted Delta))

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-2.00	-4.67	1	1.697	0	199.186	0	773	345	0
2	-1.50	-3.80	1	1.697	0	199.186	240	773	345	240
3	-1.00	-4.67	1	1.697	0	199.186	120	773	345	120
4	0.50	-5.54	1	1.697	0	199.186	0	773	345	0
5	-0.50	-5.54	1	1.697	0	199.186	240	773	345	240
6	0.00	-4.67	1	1.697	0	199.186	120	773	345	120
7	1.50	-3.80	1	1.697	0	199.186	0	773	345	0
8	2.00	-4.67	1	1.697	0	199.186	240	773	345	240
9	1.00	-4.67	1	1.697	0	199.186	120	773	345	120

Table D-6. Input data for existing EMF calculations, 10 (345 kV (3 Trefoils Horizontal))

Bundle	x-feet	y-feet	n cond	cond dia (inches)	Spacing (inches)	l-n voltage (kV)	V Phasing	Current (A)	Ph-Ph Voltage	I Phasing
1	-2.70	-4.86	1	1.697	0	199.186	0	773	345	0
2	-2.20	-3.99	1	1.697	0	199.186	240	773	345	240
3	-1.70	-4.86	1	1.697	0	199.186	120	773	345	120
4	0.00	-3.99	1	1.697	0	199.186	0	773	345	0
5	0.50	-4.86	1	1.697	0	199.186	240	773	345	240
6	-0.50	-4.86	1	1.697	0	199.186	120	773	345	120
7	2.70	-4.86	1	1.697	0	199.186	0	773	345	0
8	1.70	-4.86	1	1.697	0	199.186	240	773	345	240
9	2.20	-3.99	1	1.697	0	199.186	120	773	345	120

Attachment E

Output Tables of Magnetic Field Calculations

Table E-1. Calculated magnetic field levels for Onshore Export: Delta through Onshore Export: Horizontal

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-500	<0.1	<0.1	<0.1
-499	<0.1	<0.1	<0.1
-498	<0.1	<0.1	<0.1
-497	<0.1	<0.1	<0.1
-496	<0.1	<0.1	<0.1
-495	<0.1	<0.1	<0.1
-494	<0.1	<0.1	<0.1
-493	<0.1	<0.1	<0.1
-492	<0.1	<0.1	<0.1
-491	<0.1	<0.1	<0.1
-490	<0.1	<0.1	<0.1
-489	<0.1	<0.1	<0.1
-488	<0.1	<0.1	<0.1
-487	<0.1	<0.1	<0.1
-486	<0.1	<0.1	<0.1
-485	<0.1	<0.1	<0.1
-484	<0.1	<0.1	<0.1
-483	<0.1	<0.1	<0.1
-482	<0.1	<0.1	<0.1
-481	<0.1	<0.1	<0.1
-480	<0.1	<0.1	<0.1
-479	<0.1	<0.1	<0.1
-478	<0.1	<0.1	<0.1
-477	<0.1	<0.1	<0.1
-476	<0.1	<0.1	<0.1
-475	<0.1	<0.1	<0.1
-474	<0.1	<0.1	<0.1
-473	<0.1	<0.1	<0.1
-472	<0.1	<0.1	<0.1
-471	<0.1	<0.1	<0.1
-470	<0.1	<0.1	<0.1
-469	<0.1	<0.1	<0.1
-468	<0.1	<0.1	<0.1
-467	<0.1	<0.1	<0.1
-466	<0.1	<0.1	<0.1
-465	<0.1	<0.1	<0.1
-464	<0.1	<0.1	<0.1
-463	<0.1	<0.1	<0.1
-462	<0.1	<0.1	<0.1
-461	<0.1	<0.1	<0.1
-460	<0.1	<0.1	<0.1
-459	<0.1	<0.1	<0.1
-458	<0.1	<0.1	<0.1
-457	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-456	<0.1	<0.1	<0.1
-455	<0.1	<0.1	<0.1
-454	<0.1	<0.1	<0.1
-453	<0.1	<0.1	<0.1
-452	<0.1	<0.1	<0.1
-451	<0.1	<0.1	<0.1
-450	<0.1	<0.1	<0.1
-449	<0.1	<0.1	<0.1
-448	<0.1	<0.1	<0.1
-447	<0.1	<0.1	<0.1
-446	<0.1	<0.1	<0.1
-445	<0.1	<0.1	<0.1
-444	<0.1	<0.1	<0.1
-443	<0.1	<0.1	<0.1
-442	<0.1	<0.1	<0.1
-441	<0.1	<0.1	<0.1
-440	<0.1	<0.1	<0.1
-439	<0.1	<0.1	<0.1
-438	<0.1	<0.1	<0.1
-437	<0.1	<0.1	<0.1
-436	<0.1	<0.1	<0.1
-435	<0.1	<0.1	<0.1
-434	<0.1	<0.1	<0.1
-433	<0.1	<0.1	<0.1
-432	<0.1	<0.1	<0.1
-431	<0.1	<0.1	<0.1
-430	<0.1	<0.1	<0.1
-429	<0.1	<0.1	<0.1
-428	<0.1	<0.1	<0.1
-427	<0.1	<0.1	<0.1
-426	<0.1	<0.1	<0.1
-425	<0.1	<0.1	<0.1
-424	<0.1	<0.1	<0.1
-423	<0.1	<0.1	<0.1
-422	<0.1	<0.1	<0.1
-421	<0.1	<0.1	<0.1
-420	<0.1	<0.1	<0.1
-419	<0.1	<0.1	<0.1
-418	<0.1	<0.1	<0.1
-417	<0.1	<0.1	<0.1
-416	<0.1	<0.1	<0.1
-415	<0.1	<0.1	<0.1
-414	<0.1	<0.1	<0.1
-413	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-412	<0.1	<0.1	<0.1
-411	<0.1	<0.1	<0.1
-410	<0.1	<0.1	<0.1
-409	<0.1	<0.1	<0.1
-408	<0.1	<0.1	<0.1
-407	<0.1	<0.1	<0.1
-406	<0.1	<0.1	<0.1
-405	<0.1	<0.1	<0.1
-404	<0.1	<0.1	<0.1
-403	<0.1	<0.1	<0.1
-402	<0.1	<0.1	<0.1
-401	<0.1	<0.1	<0.1
-400	<0.1	<0.1	<0.1
-399	<0.1	<0.1	<0.1
-398	<0.1	<0.1	<0.1
-397	<0.1	<0.1	<0.1
-396	<0.1	<0.1	<0.1
-395	<0.1	<0.1	<0.1
-394	<0.1	<0.1	<0.1
-393	<0.1	<0.1	<0.1
-392	<0.1	<0.1	<0.1
-391	<0.1	<0.1	<0.1
-390	<0.1	<0.1	<0.1
-389	<0.1	<0.1	<0.1
-388	<0.1	<0.1	<0.1
-387	<0.1	<0.1	<0.1
-386	<0.1	<0.1	<0.1
-385	<0.1	<0.1	<0.1
-384	<0.1	<0.1	<0.1
-383	<0.1	<0.1	<0.1
-382	<0.1	<0.1	<0.1
-381	<0.1	<0.1	<0.1
-380	<0.1	<0.1	<0.1
-379	<0.1	<0.1	<0.1
-378	<0.1	<0.1	<0.1
-377	<0.1	<0.1	<0.1
-376	<0.1	<0.1	<0.1
-375	<0.1	<0.1	<0.1
-374	<0.1	<0.1	<0.1
-373	<0.1	<0.1	<0.1
-372	<0.1	<0.1	<0.1
-371	<0.1	<0.1	<0.1
-370	<0.1	<0.1	<0.1
-369	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-368	<0.1	<0.1	<0.1
-367	<0.1	<0.1	<0.1
-366	<0.1	<0.1	<0.1
-365	<0.1	<0.1	<0.1
-364	<0.1	<0.1	<0.1
-363	<0.1	<0.1	<0.1
-362	<0.1	<0.1	<0.1
-361	<0.1	<0.1	<0.1
-360	<0.1	<0.1	<0.1
-359	<0.1	<0.1	<0.1
-358	<0.1	<0.1	<0.1
-357	<0.1	<0.1	<0.1
-356	<0.1	<0.1	<0.1
-355	<0.1	<0.1	<0.1
-354	<0.1	<0.1	<0.1
-353	<0.1	<0.1	<0.1
-352	<0.1	<0.1	<0.1
-351	<0.1	<0.1	<0.1
-350	<0.1	<0.1	<0.1
-349	<0.1	<0.1	<0.1
-348	<0.1	<0.1	<0.1
-347	<0.1	<0.1	<0.1
-346	<0.1	<0.1	<0.1
-345	<0.1	<0.1	<0.1
-344	<0.1	<0.1	<0.1
-343	<0.1	<0.1	<0.1
-342	<0.1	<0.1	<0.1
-341	<0.1	<0.1	<0.1
-340	<0.1	<0.1	<0.1
-339	<0.1	<0.1	<0.1
-338	<0.1	<0.1	<0.1
-337	<0.1	<0.1	<0.1
-336	<0.1	<0.1	<0.1
-335	<0.1	<0.1	<0.1
-334	<0.1	<0.1	<0.1
-333	<0.1	<0.1	<0.1
-332	<0.1	<0.1	<0.1
-331	<0.1	<0.1	<0.1
-330	<0.1	<0.1	<0.1
-329	<0.1	<0.1	<0.1
-328	<0.1	<0.1	<0.1
-327	<0.1	<0.1	<0.1
-326	<0.1	<0.1	<0.1
-325	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-324	<0.1	<0.1	<0.1
-323	<0.1	<0.1	<0.1
-322	<0.1	<0.1	<0.1
-321	<0.1	<0.1	<0.1
-320	<0.1	<0.1	<0.1
-319	<0.1	<0.1	<0.1
-318	<0.1	<0.1	<0.1
-317	<0.1	<0.1	<0.1
-316	<0.1	<0.1	<0.1
-315	<0.1	<0.1	<0.1
-314	<0.1	<0.1	<0.1
-313	<0.1	<0.1	<0.1
-312	<0.1	<0.1	<0.1
-311	<0.1	<0.1	<0.1
-310	<0.1	<0.1	<0.1
-309	<0.1	<0.1	<0.1
-308	<0.1	<0.1	<0.1
-307	<0.1	<0.1	<0.1
-306	<0.1	<0.1	<0.1
-305	<0.1	<0.1	<0.1
-304	<0.1	<0.1	<0.1
-303	<0.1	<0.1	<0.1
-302	<0.1	<0.1	<0.1
-301	<0.1	<0.1	<0.1
-300	<0.1	<0.1	<0.1
-299	<0.1	<0.1	<0.1
-298	<0.1	<0.1	<0.1
-297	<0.1	<0.1	<0.1
-296	<0.1	<0.1	<0.1
-295	<0.1	<0.1	<0.1
-294	<0.1	<0.1	<0.1
-293	<0.1	<0.1	<0.1
-292	<0.1	<0.1	<0.1
-291	<0.1	<0.1	<0.1
-290	<0.1	<0.1	<0.1
-289	<0.1	<0.1	<0.1
-288	<0.1	<0.1	<0.1
-287	<0.1	<0.1	<0.1
-286	<0.1	<0.1	<0.1
-285	<0.1	<0.1	<0.1
-284	<0.1	<0.1	<0.1
-283	<0.1	<0.1	<0.1
-282	<0.1	<0.1	<0.1
-281	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-280	<0.1	<0.1	<0.1
-279	<0.1	<0.1	<0.1
-278	<0.1	<0.1	<0.1
-277	<0.1	<0.1	<0.1
-276	<0.1	<0.1	<0.1
-275	<0.1	<0.1	<0.1
-274	<0.1	<0.1	<0.1
-273	<0.1	<0.1	<0.1
-272	<0.1	<0.1	<0.1
-271	<0.1	<0.1	<0.1
-270	<0.1	<0.1	<0.1
-269	<0.1	<0.1	<0.1
-268	<0.1	<0.1	<0.1
-267	<0.1	<0.1	<0.1
-266	<0.1	<0.1	<0.1
-265	<0.1	<0.1	<0.1
-264	<0.1	<0.1	<0.1
-263	<0.1	<0.1	<0.1
-262	<0.1	<0.1	<0.1
-261	<0.1	<0.1	<0.1
-260	<0.1	<0.1	<0.1
-259	<0.1	<0.1	<0.1
-258	<0.1	<0.1	<0.1
-257	<0.1	<0.1	<0.1
-256	<0.1	<0.1	<0.1
-255	<0.1	<0.1	<0.1
-254	<0.1	<0.1	<0.1
-253	<0.1	<0.1	<0.1
-252	<0.1	<0.1	<0.1
-251	<0.1	<0.1	<0.1
-250	<0.1	<0.1	<0.1
-249	<0.1	<0.1	<0.1
-248	<0.1	<0.1	<0.1
-247	<0.1	<0.1	<0.1
-246	<0.1	<0.1	<0.1
-245	<0.1	<0.1	<0.1
-244	<0.1	<0.1	<0.1
-243	<0.1	<0.1	<0.1
-242	<0.1	<0.1	<0.1
-241	<0.1	<0.1	<0.1
-240	<0.1	<0.1	<0.1
-239	<0.1	<0.1	<0.1
-238	<0.1	<0.1	<0.1
-237	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-236	<0.1	<0.1	<0.1
-235	<0.1	<0.1	<0.1
-234	<0.1	<0.1	<0.1
-233	<0.1	<0.1	<0.1
-232	<0.1	<0.1	<0.1
-231	<0.1	<0.1	<0.1
-230	<0.1	<0.1	<0.1
-229	<0.1	<0.1	<0.1
-228	<0.1	<0.1	<0.1
-227	<0.1	<0.1	<0.1
-226	<0.1	<0.1	<0.1
-225	<0.1	<0.1	<0.1
-224	<0.1	<0.1	<0.1
-223	<0.1	<0.1	<0.1
-222	<0.1	<0.1	<0.1
-221	<0.1	<0.1	<0.1
-220	<0.1	<0.1	<0.1
-219	<0.1	<0.1	<0.1
-218	<0.1	<0.1	<0.1
-217	<0.1	<0.1	<0.1
-216	<0.1	<0.1	<0.1
-215	<0.1	<0.1	<0.1
-214	<0.1	<0.1	<0.1
-213	<0.1	<0.1	<0.1
-212	<0.1	<0.1	<0.1
-211	<0.1	<0.1	<0.1
-210	<0.1	<0.1	<0.1
-209	<0.1	<0.1	<0.1
-208	<0.1	<0.1	<0.1
-207	<0.1	<0.1	<0.1
-206	<0.1	<0.1	<0.1
-205	<0.1	<0.1	<0.1
-204	<0.1	<0.1	<0.1
-203	<0.1	<0.1	<0.1
-202	<0.1	<0.1	<0.1
-201	<0.1	<0.1	<0.1
-200	<0.1	<0.1	<0.1
-199	<0.1	<0.1	<0.1
-198	<0.1	<0.1	<0.1
-197	<0.1	<0.1	<0.1
-196	<0.1	<0.1	<0.1
-195	<0.1	<0.1	<0.1
-194	<0.1	<0.1	<0.1
-193	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-192	<0.1	<0.1	<0.1
-191	<0.1	<0.1	<0.1
-190	<0.1	<0.1	<0.1
-189	<0.1	<0.1	<0.1
-188	<0.1	<0.1	<0.1
-187	<0.1	<0.1	<0.1
-186	<0.1	<0.1	<0.1
-185	<0.1	<0.1	<0.1
-184	<0.1	<0.1	<0.1
-183	<0.1	<0.1	<0.1
-182	<0.1	<0.1	<0.1
-181	<0.1	<0.1	<0.1
-180	<0.1	<0.1	<0.1
-179	<0.1	<0.1	<0.1
-178	<0.1	<0.1	<0.1
-177	<0.1	<0.1	<0.1
-176	<0.1	<0.1	<0.1
-175	<0.1	<0.1	<0.1
-174	<0.1	<0.1	<0.1
-173	<0.1	<0.1	<0.1
-172	<0.1	<0.1	<0.1
-171	<0.1	<0.1	<0.1
-170	<0.1	<0.1	<0.1
-169	<0.1	<0.1	<0.1
-168	<0.1	<0.1	<0.1
-167	<0.1	<0.1	<0.1
-166	<0.1	<0.1	<0.1
-165	<0.1	<0.1	<0.1
-164	<0.1	<0.1	<0.1
-163	<0.1	<0.1	<0.1
-162	<0.1	<0.1	<0.1
-161	<0.1	<0.1	<0.1
-160	<0.1	<0.1	<0.1
-159	<0.1	<0.1	<0.1
-158	<0.1	<0.1	<0.1
-157	<0.1	<0.1	<0.1
-156	<0.1	<0.1	<0.1
-155	<0.1	<0.1	<0.1
-154	<0.1	<0.1	<0.1
-153	<0.1	<0.1	<0.1
-152	<0.1	<0.1	<0.1
-151	<0.1	<0.1	<0.1
-150	<0.1	<0.1	<0.1
-149	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-148	<0.1	<0.1	<0.1
-147	<0.1	<0.1	<0.1
-146	<0.1	<0.1	<0.1
-145	<0.1	<0.1	<0.1
-144	<0.1	<0.1	<0.1
-143	<0.1	<0.1	<0.1
-142	<0.1	<0.1	<0.1
-141	<0.1	<0.1	<0.1
-140	<0.1	<0.1	<0.1
-139	<0.1	<0.1	<0.1
-138	<0.1	<0.1	<0.1
-137	<0.1	<0.1	<0.1
-136	<0.1	<0.1	<0.1
-135	<0.1	<0.1	<0.1
-134	<0.1	<0.1	<0.1
-133	<0.1	<0.1	<0.1
-132	<0.1	<0.1	<0.1
-131	<0.1	<0.1	<0.1
-130	<0.1	<0.1	<0.1
-129	<0.1	<0.1	<0.1
-128	<0.1	<0.1	<0.1
-127	<0.1	<0.1	<0.1
-126	<0.1	<0.1	<0.1
-125	<0.1	<0.1	<0.1
-124	<0.1	<0.1	<0.1
-123	<0.1	<0.1	<0.1
-122	<0.1	<0.1	<0.1
-121	<0.1	<0.1	<0.1
-120	<0.1	<0.1	<0.1
-119	<0.1	<0.1	<0.1
-118	<0.1	<0.1	<0.1
-117	<0.1	<0.1	<0.1
-116	<0.1	<0.1	<0.1
-115	<0.1	<0.1	<0.1
-114	<0.1	<0.1	<0.1
-113	<0.1	<0.1	<0.1
-112	<0.1	<0.1	<0.1
-111	<0.1	<0.1	<0.1
-110	<0.1	<0.1	<0.1
-109	<0.1	<0.1	<0.1
-108	<0.1	<0.1	<0.1
-107	<0.1	<0.1	<0.1
-106	<0.1	<0.1	<0.1
-105	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-104	<0.1	<0.1	<0.1
-103	<0.1	<0.1	<0.1
-102	<0.1	<0.1	<0.1
-101	<0.1	<0.1	<0.1
-100	<0.1	<0.1	<0.1
-99	<0.1	<0.1	<0.1
-98	<0.1	<0.1	<0.1
-97	<0.1	<0.1	<0.1
-96	<0.1	<0.1	<0.1
-95	<0.1	<0.1	<0.1
-94	<0.1	<0.1	<0.1
-93	<0.1	<0.1	<0.1
-92	<0.1	<0.1	<0.1
-91	<0.1	<0.1	<0.1
-90	<0.1	<0.1	<0.1
-89	<0.1	<0.1	<0.1
-88	<0.1	<0.1	<0.1
-87	<0.1	<0.1	<0.1
-86	<0.1	<0.1	<0.1
-85	<0.1	<0.1	<0.1
-84	<0.1	<0.1	<0.1
-83	<0.1	<0.1	<0.1
-82	<0.1	<0.1	<0.1
-81	<0.1	<0.1	<0.1
-80	<0.1	<0.1	<0.1
-79	<0.1	<0.1	<0.1
-78	<0.1	<0.1	0.1
-77	<0.1	<0.1	0.1
-76	<0.1	<0.1	0.1
-75	<0.1	<0.1	0.1
-74	<0.1	<0.1	0.1
-73	<0.1	<0.1	0.1
-72	<0.1	<0.1	0.1
-71	<0.1	<0.1	0.1
-70	<0.1	<0.1	0.1
-69	<0.1	<0.1	0.1
-68	<0.1	<0.1	0.2
-67	<0.1	<0.1	0.2
-66	<0.1	<0.1	0.2
-65	<0.1	<0.1	0.2
-64	<0.1	<0.1	0.2
-63	<0.1	<0.1	0.2
-62	<0.1	<0.1	0.2
-61	<0.1	0.1	0.2

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-60	0.1	0.1	0.2
-59	0.1	0.1	0.2
-58	0.1	0.1	0.3
-57	0.1	0.1	0.3
-56	0.1	0.1	0.3
-55	0.1	0.1	0.3
-54	0.1	0.1	0.3
-53	0.1	0.2	0.3
-52	0.2	0.2	0.3
-51	0.2	0.2	0.4
-50	0.2	0.2	0.4
-49	0.2	0.2	0.4
-48	0.2	0.2	0.4
-47	0.2	0.2	0.5
-46	0.2	0.2	0.5
-45	0.2	0.2	0.5
-44	0.3	0.3	0.6
-43	0.3	0.3	0.6
-42	0.3	0.3	0.6
-41	0.3	0.3	0.7
-40	0.3	0.4	0.7
-39	0.4	0.4	0.8
-38	0.4	0.4	0.9
-37	0.4	0.4	0.9
-36	0.5	0.5	1.0
-35	0.5	0.5	1.1
-34	0.5	0.6	1.2
-33	0.6	0.6	1.3
-32	0.6	0.7	1.4
-31	0.7	0.7	1.5
-30	0.8	0.8	1.7
-29	0.9	0.9	1.9
-28	0.9	1.0	2.1
-27	1.0	1.1	2.3
-26	1.2	1.2	2.5
-25	1.3	1.4	2.8
-24	1.4	1.6	3.2
-23	1.6	1.8	3.5
-22	1.8	2.0	4.0
-21	2.0	2.3	4.5
-20	2.3	2.6	5.1
-19	2.6	3.0	5.9
-18	3.0	3.5	6.7
-17	3.5	4.1	7.8

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
-16	4.0	4.8	9.0
-15	4.6	5.6	10.5
-14	5.4	6.7	12.3
-13	6.3	8.0	14.5
-12	7.5	9.7	17.2
-11	8.8	11.8	20.5
-10	10.4	14.4	24.4
-9	12.3	17.8	29.2
-8	14.5	21.9	34.8
-7	17.0	27.1	41.3
-6	19.7	33.3	48.5
-5	22.6	40.5	56.1
-4	25.3	48.4	63.5
-3	27.6	56.3	70.0
-2	29.4	63.2	75.0
-1	30.4	67.9	78.1
0	30.8	69.6	79.1
1	30.4	67.9	78.1
2	29.4	63.2	75.0
3	27.6	56.3	70.0
4	25.3	48.4	63.5
5	22.6	40.5	56.1
6	19.7	33.3	48.5
7	17.0	27.1	41.3
8	14.5	21.9	34.8
9	12.3	17.8	29.2
10	10.4	14.4	24.4
11	8.8	11.8	20.5
12	7.5	9.7	17.2
13	6.3	8.0	14.5
14	5.4	6.7	12.3
15	4.6	5.6	10.5
16	4.0	4.8	9.0
17	3.5	4.1	7.8
18	3.0	3.5	6.7
19	2.6	3.0	5.9
20	2.3	2.6	5.1
21	2.0	2.3	4.5
22	1.8	2.0	4.0
23	1.6	1.8	3.5
24	1.4	1.6	3.2
25	1.3	1.4	2.8
26	1.2	1.2	2.5
27	1.0	1.1	2.3

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
28	0.9	1.0	2.1
29	0.9	0.9	1.9
30	0.8	0.8	1.7
31	0.7	0.7	1.5
32	0.6	0.7	1.4
33	0.6	0.6	1.3
34	0.5	0.6	1.2
35	0.5	0.5	1.1
36	0.5	0.5	1.0
37	0.4	0.4	0.9
38	0.4	0.4	0.9
39	0.4	0.4	0.8
40	0.3	0.4	0.7
41	0.3	0.3	0.7
42	0.3	0.3	0.6
43	0.3	0.3	0.6
44	0.3	0.3	0.6
45	0.2	0.2	0.5
46	0.2	0.2	0.5
47	0.2	0.2	0.5
48	0.2	0.2	0.4
49	0.2	0.2	0.4
50	0.2	0.2	0.4
51	0.2	0.2	0.4
52	0.2	0.2	0.3
53	0.1	0.2	0.3
54	0.1	0.1	0.3
55	0.1	0.1	0.3
56	0.1	0.1	0.3
57	0.1	0.1	0.3
58	0.1	0.1	0.3
59	0.1	0.1	0.2
60	0.1	0.1	0.2
61	<0.1	0.1	0.2
62	<0.1	<0.1	0.2
63	<0.1	<0.1	0.2
64	<0.1	<0.1	0.2
65	<0.1	<0.1	0.2
66	<0.1	<0.1	0.2
67	<0.1	<0.1	0.2
68	<0.1	<0.1	0.2
69	<0.1	<0.1	0.1
70	<0.1	<0.1	0.1
71	<0.1	<0.1	0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
72	<0.1	<0.1	0.1
73	<0.1	<0.1	0.1
74	<0.1	<0.1	0.1
75	<0.1	<0.1	0.1
76	<0.1	<0.1	0.1
77	<0.1	<0.1	0.1
78	<0.1	<0.1	0.1
79	<0.1	<0.1	<0.1
80	<0.1	<0.1	<0.1
81	<0.1	<0.1	<0.1
82	<0.1	<0.1	<0.1
83	<0.1	<0.1	<0.1
84	<0.1	<0.1	<0.1
85	<0.1	<0.1	<0.1
86	<0.1	<0.1	<0.1
87	<0.1	<0.1	<0.1
88	<0.1	<0.1	<0.1
89	<0.1	<0.1	<0.1
90	<0.1	<0.1	<0.1
91	<0.1	<0.1	<0.1
92	<0.1	<0.1	<0.1
93	<0.1	<0.1	<0.1
94	<0.1	<0.1	<0.1
95	<0.1	<0.1	<0.1
96	<0.1	<0.1	<0.1
97	<0.1	<0.1	<0.1
98	<0.1	<0.1	<0.1
99	<0.1	<0.1	<0.1
100	<0.1	<0.1	<0.1
101	<0.1	<0.1	<0.1
102	<0.1	<0.1	<0.1
103	<0.1	<0.1	<0.1
104	<0.1	<0.1	<0.1
105	<0.1	<0.1	<0.1
106	<0.1	<0.1	<0.1
107	<0.1	<0.1	<0.1
108	<0.1	<0.1	<0.1
109	<0.1	<0.1	<0.1
110	<0.1	<0.1	<0.1
111	<0.1	<0.1	<0.1
112	<0.1	<0.1	<0.1
113	<0.1	<0.1	<0.1
114	<0.1	<0.1	<0.1
115	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
116	<0.1	<0.1	<0.1
117	<0.1	<0.1	<0.1
118	<0.1	<0.1	<0.1
119	<0.1	<0.1	<0.1
120	<0.1	<0.1	<0.1
121	<0.1	<0.1	<0.1
122	<0.1	<0.1	<0.1
123	<0.1	<0.1	<0.1
124	<0.1	<0.1	<0.1
125	<0.1	<0.1	<0.1
126	<0.1	<0.1	<0.1
127	<0.1	<0.1	<0.1
128	<0.1	<0.1	<0.1
129	<0.1	<0.1	<0.1
130	<0.1	<0.1	<0.1
131	<0.1	<0.1	<0.1
132	<0.1	<0.1	<0.1
133	<0.1	<0.1	<0.1
134	<0.1	<0.1	<0.1
135	<0.1	<0.1	<0.1
136	<0.1	<0.1	<0.1
137	<0.1	<0.1	<0.1
138	<0.1	<0.1	<0.1
139	<0.1	<0.1	<0.1
140	<0.1	<0.1	<0.1
141	<0.1	<0.1	<0.1
142	<0.1	<0.1	<0.1
143	<0.1	<0.1	<0.1
144	<0.1	<0.1	<0.1
145	<0.1	<0.1	<0.1
146	<0.1	<0.1	<0.1
147	<0.1	<0.1	<0.1
148	<0.1	<0.1	<0.1
149	<0.1	<0.1	<0.1
150	<0.1	<0.1	<0.1
151	<0.1	<0.1	<0.1
152	<0.1	<0.1	<0.1
153	<0.1	<0.1	<0.1
154	<0.1	<0.1	<0.1
155	<0.1	<0.1	<0.1
156	<0.1	<0.1	<0.1
157	<0.1	<0.1	<0.1
158	<0.1	<0.1	<0.1
159	<0.1	<0.1	<0.1

Continued on next page

Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
160	<0.1	<0.1	<0.1
161	<0.1	<0.1	<0.1
162	<0.1	<0.1	<0.1
163	<0.1	<0.1	<0.1
164	<0.1	<0.1	<0.1
165	<0.1	<0.1	<0.1
166	<0.1	<0.1	<0.1
167	<0.1	<0.1	<0.1
168	<0.1	<0.1	<0.1
169	<0.1	<0.1	<0.1
170	<0.1	<0.1	<0.1
171	<0.1	<0.1	<0.1
172	<0.1	<0.1	<0.1
173	<0.1	<0.1	<0.1
174	<0.1	<0.1	<0.1
175	<0.1	<0.1	<0.1
176	<0.1	<0.1	<0.1
177	<0.1	<0.1	<0.1
178	<0.1	<0.1	<0.1
179	<0.1	<0.1	<0.1
180	<0.1	<0.1	<0.1
181	<0.1	<0.1	<0.1
182	<0.1	<0.1	<0.1
183	<0.1	<0.1	<0.1
184	<0.1	<0.1	<0.1
185	<0.1	<0.1	<0.1
186	<0.1	<0.1	<0.1
187	<0.1	<0.1	<0.1
188	<0.1	<0.1	<0.1
189	<0.1	<0.1	<0.1
190	<0.1	<0.1	<0.1
191	<0.1	<0.1	<0.1
192	<0.1	<0.1	<0.1
193	<0.1	<0.1	<0.1
194	<0.1	<0.1	<0.1
195	<0.1	<0.1	<0.1
196	<0.1	<0.1	<0.1
197	<0.1	<0.1	<0.1
198	<0.1	<0.1	<0.1
199	<0.1	<0.1	<0.1
200	<0.1	<0.1	<0.1
201	<0.1	<0.1	<0.1
202	<0.1	<0.1	<0.1
203	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
204	<0.1	<0.1	<0.1
205	<0.1	<0.1	<0.1
206	<0.1	<0.1	<0.1
207	<0.1	<0.1	<0.1
208	<0.1	<0.1	<0.1
209	<0.1	<0.1	<0.1
210	<0.1	<0.1	<0.1
211	<0.1	<0.1	<0.1
212	<0.1	<0.1	<0.1
213	<0.1	<0.1	<0.1
214	<0.1	<0.1	<0.1
215	<0.1	<0.1	<0.1
216	<0.1	<0.1	<0.1
217	<0.1	<0.1	<0.1
218	<0.1	<0.1	<0.1
219	<0.1	<0.1	<0.1
220	<0.1	<0.1	<0.1
221	<0.1	<0.1	<0.1
222	<0.1	<0.1	<0.1
223	<0.1	<0.1	<0.1
224	<0.1	<0.1	<0.1
225	<0.1	<0.1	<0.1
226	<0.1	<0.1	<0.1
227	<0.1	<0.1	<0.1
228	<0.1	<0.1	<0.1
229	<0.1	<0.1	<0.1
230	<0.1	<0.1	<0.1
231	<0.1	<0.1	<0.1
232	<0.1	<0.1	<0.1
233	<0.1	<0.1	<0.1
234	<0.1	<0.1	<0.1
235	<0.1	<0.1	<0.1
236	<0.1	<0.1	<0.1
237	<0.1	<0.1	<0.1
238	<0.1	<0.1	<0.1
239	<0.1	<0.1	<0.1
240	<0.1	<0.1	<0.1
241	<0.1	<0.1	<0.1
242	<0.1	<0.1	<0.1
243	<0.1	<0.1	<0.1
244	<0.1	<0.1	<0.1
245	<0.1	<0.1	<0.1
246	<0.1	<0.1	<0.1
247	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
248	<0.1	<0.1	<0.1
249	<0.1	<0.1	<0.1
250	<0.1	<0.1	<0.1
251	<0.1	<0.1	<0.1
252	<0.1	<0.1	<0.1
253	<0.1	<0.1	<0.1
254	<0.1	<0.1	<0.1
255	<0.1	<0.1	<0.1
256	<0.1	<0.1	<0.1
257	<0.1	<0.1	<0.1
258	<0.1	<0.1	<0.1
259	<0.1	<0.1	<0.1
260	<0.1	<0.1	<0.1
261	<0.1	<0.1	<0.1
262	<0.1	<0.1	<0.1
263	<0.1	<0.1	<0.1
264	<0.1	<0.1	<0.1
265	<0.1	<0.1	<0.1
266	<0.1	<0.1	<0.1
267	<0.1	<0.1	<0.1
268	<0.1	<0.1	<0.1
269	<0.1	<0.1	<0.1
270	<0.1	<0.1	<0.1
271	<0.1	<0.1	<0.1
272	<0.1	<0.1	<0.1
273	<0.1	<0.1	<0.1
274	<0.1	<0.1	<0.1
275	<0.1	<0.1	<0.1
276	<0.1	<0.1	<0.1
277	<0.1	<0.1	<0.1
278	<0.1	<0.1	<0.1
279	<0.1	<0.1	<0.1
280	<0.1	<0.1	<0.1
281	<0.1	<0.1	<0.1
282	<0.1	<0.1	<0.1
283	<0.1	<0.1	<0.1
284	<0.1	<0.1	<0.1
285	<0.1	<0.1	<0.1
286	<0.1	<0.1	<0.1
287	<0.1	<0.1	<0.1
288	<0.1	<0.1	<0.1
289	<0.1	<0.1	<0.1
290	<0.1	<0.1	<0.1
291	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
292	<0.1	<0.1	<0.1
293	<0.1	<0.1	<0.1
294	<0.1	<0.1	<0.1
295	<0.1	<0.1	<0.1
296	<0.1	<0.1	<0.1
297	<0.1	<0.1	<0.1
298	<0.1	<0.1	<0.1
299	<0.1	<0.1	<0.1
300	<0.1	<0.1	<0.1
301	<0.1	<0.1	<0.1
302	<0.1	<0.1	<0.1
303	<0.1	<0.1	<0.1
304	<0.1	<0.1	<0.1
305	<0.1	<0.1	<0.1
306	<0.1	<0.1	<0.1
307	<0.1	<0.1	<0.1
308	<0.1	<0.1	<0.1
309	<0.1	<0.1	<0.1
310	<0.1	<0.1	<0.1
311	<0.1	<0.1	<0.1
312	<0.1	<0.1	<0.1
313	<0.1	<0.1	<0.1
314	<0.1	<0.1	<0.1
315	<0.1	<0.1	<0.1
316	<0.1	<0.1	<0.1
317	<0.1	<0.1	<0.1
318	<0.1	<0.1	<0.1
319	<0.1	<0.1	<0.1
320	<0.1	<0.1	<0.1
321	<0.1	<0.1	<0.1
322	<0.1	<0.1	<0.1
323	<0.1	<0.1	<0.1
324	<0.1	<0.1	<0.1
325	<0.1	<0.1	<0.1
326	<0.1	<0.1	<0.1
327	<0.1	<0.1	<0.1
328	<0.1	<0.1	<0.1
329	<0.1	<0.1	<0.1
330	<0.1	<0.1	<0.1
331	<0.1	<0.1	<0.1
332	<0.1	<0.1	<0.1
333	<0.1	<0.1	<0.1
334	<0.1	<0.1	<0.1
335	<0.1	<0.1	<0.1

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Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
336	<0.1	<0.1	<0.1
337	<0.1	<0.1	<0.1
338	<0.1	<0.1	<0.1
339	<0.1	<0.1	<0.1
340	<0.1	<0.1	<0.1
341	<0.1	<0.1	<0.1
342	<0.1	<0.1	<0.1
343	<0.1	<0.1	<0.1
344	<0.1	<0.1	<0.1
345	<0.1	<0.1	<0.1
346	<0.1	<0.1	<0.1
347	<0.1	<0.1	<0.1
348	<0.1	<0.1	<0.1
349	<0.1	<0.1	<0.1
350	<0.1	<0.1	<0.1
351	<0.1	<0.1	<0.1
352	<0.1	<0.1	<0.1
353	<0.1	<0.1	<0.1
354	<0.1	<0.1	<0.1
355	<0.1	<0.1	<0.1
356	<0.1	<0.1	<0.1
357	<0.1	<0.1	<0.1
358	<0.1	<0.1	<0.1
359	<0.1	<0.1	<0.1
360	<0.1	<0.1	<0.1
361	<0.1	<0.1	<0.1
362	<0.1	<0.1	<0.1
363	<0.1	<0.1	<0.1
364	<0.1	<0.1	<0.1
365	<0.1	<0.1	<0.1
366	<0.1	<0.1	<0.1
367	<0.1	<0.1	<0.1
368	<0.1	<0.1	<0.1
369	<0.1	<0.1	<0.1
370	<0.1	<0.1	<0.1
371	<0.1	<0.1	<0.1
372	<0.1	<0.1	<0.1
373	<0.1	<0.1	<0.1
374	<0.1	<0.1	<0.1
375	<0.1	<0.1	<0.1
376	<0.1	<0.1	<0.1
377	<0.1	<0.1	<0.1
378	<0.1	<0.1	<0.1
379	<0.1	<0.1	<0.1

Continued on next page

Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
380	<0.1	<0.1	<0.1
381	<0.1	<0.1	<0.1
382	<0.1	<0.1	<0.1
383	<0.1	<0.1	<0.1
384	<0.1	<0.1	<0.1
385	<0.1	<0.1	<0.1
386	<0.1	<0.1	<0.1
387	<0.1	<0.1	<0.1
388	<0.1	<0.1	<0.1
389	<0.1	<0.1	<0.1
390	<0.1	<0.1	<0.1
391	<0.1	<0.1	<0.1
392	<0.1	<0.1	<0.1
393	<0.1	<0.1	<0.1
394	<0.1	<0.1	<0.1
395	<0.1	<0.1	<0.1
396	<0.1	<0.1	<0.1
397	<0.1	<0.1	<0.1
398	<0.1	<0.1	<0.1
399	<0.1	<0.1	<0.1
400	<0.1	<0.1	<0.1
401	<0.1	<0.1	<0.1
402	<0.1	<0.1	<0.1
403	<0.1	<0.1	<0.1
404	<0.1	<0.1	<0.1
405	<0.1	<0.1	<0.1
406	<0.1	<0.1	<0.1
407	<0.1	<0.1	<0.1
408	<0.1	<0.1	<0.1
409	<0.1	<0.1	<0.1
410	<0.1	<0.1	<0.1
411	<0.1	<0.1	<0.1
412	<0.1	<0.1	<0.1
413	<0.1	<0.1	<0.1
414	<0.1	<0.1	<0.1
415	<0.1	<0.1	<0.1
416	<0.1	<0.1	<0.1
417	<0.1	<0.1	<0.1
418	<0.1	<0.1	<0.1
419	<0.1	<0.1	<0.1
420	<0.1	<0.1	<0.1
421	<0.1	<0.1	<0.1
422	<0.1	<0.1	<0.1
423	<0.1	<0.1	<0.1

Continued on next page

Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
424	<0.1	<0.1	<0.1
425	<0.1	<0.1	<0.1
426	<0.1	<0.1	<0.1
427	<0.1	<0.1	<0.1
428	<0.1	<0.1	<0.1
429	<0.1	<0.1	<0.1
430	<0.1	<0.1	<0.1
431	<0.1	<0.1	<0.1
432	<0.1	<0.1	<0.1
433	<0.1	<0.1	<0.1
434	<0.1	<0.1	<0.1
435	<0.1	<0.1	<0.1
436	<0.1	<0.1	<0.1
437	<0.1	<0.1	<0.1
438	<0.1	<0.1	<0.1
439	<0.1	<0.1	<0.1
440	<0.1	<0.1	<0.1
441	<0.1	<0.1	<0.1
442	<0.1	<0.1	<0.1
443	<0.1	<0.1	<0.1
444	<0.1	<0.1	<0.1
445	<0.1	<0.1	<0.1
446	<0.1	<0.1	<0.1
447	<0.1	<0.1	<0.1
448	<0.1	<0.1	<0.1
449	<0.1	<0.1	<0.1
450	<0.1	<0.1	<0.1
451	<0.1	<0.1	<0.1
452	<0.1	<0.1	<0.1
453	<0.1	<0.1	<0.1
454	<0.1	<0.1	<0.1
455	<0.1	<0.1	<0.1
456	<0.1	<0.1	<0.1
457	<0.1	<0.1	<0.1
458	<0.1	<0.1	<0.1
459	<0.1	<0.1	<0.1
460	<0.1	<0.1	<0.1
461	<0.1	<0.1	<0.1
462	<0.1	<0.1	<0.1
463	<0.1	<0.1	<0.1
464	<0.1	<0.1	<0.1
465	<0.1	<0.1	<0.1
466	<0.1	<0.1	<0.1
467	<0.1	<0.1	<0.1

Continued on next page

Table E-1 – Continued from previous page

Dist (feet)	Onshore Export: Delta Magnetic Field Maximum (mG)	Onshore Export: Inverted Delta Magnetic Field Maximum (mG)	Onshore Export: Horizontal Magnetic Field Maximum (mG)
468	<0.1	<0.1	<0.1
469	<0.1	<0.1	<0.1
470	<0.1	<0.1	<0.1
471	<0.1	<0.1	<0.1
472	<0.1	<0.1	<0.1
473	<0.1	<0.1	<0.1
474	<0.1	<0.1	<0.1
475	<0.1	<0.1	<0.1
476	<0.1	<0.1	<0.1
477	<0.1	<0.1	<0.1
478	<0.1	<0.1	<0.1
479	<0.1	<0.1	<0.1
480	<0.1	<0.1	<0.1
481	<0.1	<0.1	<0.1
482	<0.1	<0.1	<0.1
483	<0.1	<0.1	<0.1
484	<0.1	<0.1	<0.1
485	<0.1	<0.1	<0.1
486	<0.1	<0.1	<0.1
487	<0.1	<0.1	<0.1
488	<0.1	<0.1	<0.1
489	<0.1	<0.1	<0.1
490	<0.1	<0.1	<0.1
491	<0.1	<0.1	<0.1
492	<0.1	<0.1	<0.1
493	<0.1	<0.1	<0.1
494	<0.1	<0.1	<0.1
495	<0.1	<0.1	<0.1
496	<0.1	<0.1	<0.1
497	<0.1	<0.1	<0.1
498	<0.1	<0.1	<0.1
499	<0.1	<0.1	<0.1
500	<0.1	<0.1	<0.1

Table E-2. Calculated magnetic field levels for Interconnection: Delta through Interconnection: Horizontal

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-500	<0.1	<0.1	<0.1
-499	<0.1	<0.1	<0.1
-498	<0.1	<0.1	<0.1
-497	<0.1	<0.1	<0.1
-496	<0.1	<0.1	<0.1
-495	<0.1	<0.1	<0.1
-494	<0.1	<0.1	<0.1
-493	<0.1	<0.1	<0.1
-492	<0.1	<0.1	<0.1
-491	<0.1	<0.1	<0.1
-490	<0.1	<0.1	<0.1
-489	<0.1	<0.1	<0.1
-488	<0.1	<0.1	<0.1
-487	<0.1	<0.1	<0.1
-486	<0.1	<0.1	<0.1
-485	<0.1	<0.1	<0.1
-484	<0.1	<0.1	<0.1
-483	<0.1	<0.1	<0.1
-482	<0.1	<0.1	<0.1
-481	<0.1	<0.1	<0.1
-480	<0.1	<0.1	<0.1
-479	<0.1	<0.1	<0.1
-478	<0.1	<0.1	<0.1
-477	<0.1	<0.1	<0.1
-476	<0.1	<0.1	<0.1
-475	<0.1	<0.1	<0.1
-474	<0.1	<0.1	<0.1
-473	<0.1	<0.1	<0.1
-472	<0.1	<0.1	<0.1
-471	<0.1	<0.1	<0.1
-470	<0.1	<0.1	<0.1
-469	<0.1	<0.1	<0.1
-468	<0.1	<0.1	<0.1
-467	<0.1	<0.1	<0.1
-466	<0.1	<0.1	<0.1
-465	<0.1	<0.1	<0.1
-464	<0.1	<0.1	<0.1
-463	<0.1	<0.1	<0.1
-462	<0.1	<0.1	<0.1
-461	<0.1	<0.1	<0.1
-460	<0.1	<0.1	<0.1
-459	<0.1	<0.1	<0.1
-458	<0.1	<0.1	<0.1
-457	<0.1	<0.1	<0.1

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-456	<0.1	<0.1	<0.1
-455	<0.1	<0.1	<0.1
-454	<0.1	<0.1	<0.1
-453	<0.1	<0.1	<0.1
-452	<0.1	<0.1	<0.1
-451	<0.1	<0.1	<0.1
-450	<0.1	<0.1	<0.1
-449	<0.1	<0.1	<0.1
-448	<0.1	<0.1	<0.1
-447	<0.1	<0.1	<0.1
-446	<0.1	<0.1	<0.1
-445	<0.1	<0.1	<0.1
-444	<0.1	<0.1	<0.1
-443	<0.1	<0.1	<0.1
-442	<0.1	<0.1	<0.1
-441	<0.1	<0.1	<0.1
-440	<0.1	<0.1	<0.1
-439	<0.1	<0.1	<0.1
-438	<0.1	<0.1	<0.1
-437	<0.1	<0.1	<0.1
-436	<0.1	<0.1	<0.1
-435	<0.1	<0.1	<0.1
-434	<0.1	<0.1	<0.1
-433	<0.1	<0.1	<0.1
-432	<0.1	<0.1	<0.1
-431	<0.1	<0.1	<0.1
-430	<0.1	<0.1	<0.1
-429	<0.1	<0.1	<0.1
-428	<0.1	<0.1	<0.1
-427	<0.1	<0.1	<0.1
-426	<0.1	<0.1	<0.1
-425	<0.1	<0.1	<0.1
-424	<0.1	<0.1	<0.1
-423	<0.1	<0.1	<0.1
-422	<0.1	<0.1	<0.1
-421	<0.1	<0.1	<0.1
-420	<0.1	<0.1	<0.1
-419	<0.1	<0.1	<0.1
-418	<0.1	<0.1	<0.1
-417	<0.1	<0.1	<0.1
-416	<0.1	<0.1	<0.1
-415	<0.1	<0.1	<0.1
-414	<0.1	<0.1	<0.1
-413	<0.1	<0.1	<0.1

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-412	<0.1	<0.1	<0.1
-411	<0.1	<0.1	<0.1
-410	<0.1	<0.1	<0.1
-409	<0.1	<0.1	<0.1
-408	<0.1	<0.1	<0.1
-407	<0.1	<0.1	<0.1
-406	<0.1	<0.1	<0.1
-405	<0.1	<0.1	<0.1
-404	<0.1	<0.1	<0.1
-403	<0.1	<0.1	<0.1
-402	<0.1	<0.1	<0.1
-401	<0.1	<0.1	<0.1
-400	<0.1	<0.1	<0.1
-399	<0.1	<0.1	<0.1
-398	<0.1	<0.1	<0.1
-397	<0.1	<0.1	<0.1
-396	<0.1	<0.1	<0.1
-395	<0.1	<0.1	<0.1
-394	<0.1	<0.1	<0.1
-393	<0.1	<0.1	<0.1
-392	<0.1	<0.1	<0.1
-391	<0.1	<0.1	<0.1
-390	<0.1	<0.1	<0.1
-389	<0.1	<0.1	<0.1
-388	<0.1	<0.1	<0.1
-387	<0.1	<0.1	<0.1
-386	<0.1	<0.1	<0.1
-385	<0.1	<0.1	<0.1
-384	<0.1	<0.1	<0.1
-383	<0.1	<0.1	<0.1
-382	<0.1	<0.1	<0.1
-381	<0.1	<0.1	<0.1
-380	<0.1	<0.1	<0.1
-379	<0.1	<0.1	<0.1
-378	<0.1	<0.1	<0.1
-377	<0.1	<0.1	<0.1
-376	<0.1	<0.1	<0.1
-375	<0.1	<0.1	<0.1
-374	<0.1	<0.1	<0.1
-373	<0.1	<0.1	<0.1
-372	<0.1	<0.1	<0.1
-371	<0.1	<0.1	<0.1
-370	<0.1	<0.1	<0.1
-369	<0.1	<0.1	<0.1

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-368	<0.1	<0.1	<0.1
-367	<0.1	<0.1	<0.1
-366	<0.1	<0.1	<0.1
-365	<0.1	<0.1	<0.1
-364	<0.1	<0.1	<0.1
-363	<0.1	<0.1	<0.1
-362	<0.1	<0.1	<0.1
-361	<0.1	<0.1	<0.1
-360	<0.1	<0.1	<0.1
-359	<0.1	<0.1	<0.1
-358	<0.1	<0.1	<0.1
-357	<0.1	<0.1	<0.1
-356	<0.1	<0.1	<0.1
-355	<0.1	<0.1	<0.1
-354	<0.1	<0.1	<0.1
-353	<0.1	<0.1	<0.1
-352	<0.1	<0.1	<0.1
-351	<0.1	<0.1	<0.1
-350	<0.1	<0.1	<0.1
-349	<0.1	<0.1	<0.1
-348	<0.1	<0.1	<0.1
-347	<0.1	<0.1	<0.1
-346	<0.1	<0.1	<0.1
-345	<0.1	<0.1	<0.1
-344	<0.1	<0.1	<0.1
-343	<0.1	<0.1	<0.1
-342	<0.1	<0.1	<0.1
-341	<0.1	<0.1	<0.1
-340	<0.1	<0.1	<0.1
-339	<0.1	<0.1	<0.1
-338	<0.1	<0.1	<0.1
-337	<0.1	<0.1	<0.1
-336	<0.1	<0.1	<0.1
-335	<0.1	<0.1	<0.1
-334	<0.1	<0.1	<0.1
-333	<0.1	<0.1	<0.1
-332	<0.1	<0.1	<0.1
-331	<0.1	<0.1	<0.1
-330	<0.1	<0.1	<0.1
-329	<0.1	<0.1	<0.1
-328	<0.1	<0.1	<0.1
-327	<0.1	<0.1	<0.1
-326	<0.1	<0.1	<0.1
-325	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-324	<0.1	<0.1	<0.1
-323	<0.1	<0.1	<0.1
-322	<0.1	<0.1	<0.1
-321	<0.1	<0.1	<0.1
-320	<0.1	<0.1	<0.1
-319	<0.1	<0.1	<0.1
-318	<0.1	<0.1	<0.1
-317	<0.1	<0.1	<0.1
-316	<0.1	<0.1	<0.1
-315	<0.1	<0.1	<0.1
-314	<0.1	<0.1	<0.1
-313	<0.1	<0.1	<0.1
-312	<0.1	<0.1	<0.1
-311	<0.1	<0.1	<0.1
-310	<0.1	<0.1	<0.1
-309	<0.1	<0.1	<0.1
-308	<0.1	<0.1	<0.1
-307	<0.1	<0.1	<0.1
-306	<0.1	<0.1	<0.1
-305	<0.1	<0.1	<0.1
-304	<0.1	<0.1	<0.1
-303	<0.1	<0.1	<0.1
-302	<0.1	<0.1	<0.1
-301	<0.1	<0.1	<0.1
-300	<0.1	<0.1	<0.1
-299	<0.1	<0.1	<0.1
-298	<0.1	<0.1	<0.1
-297	<0.1	<0.1	<0.1
-296	<0.1	<0.1	<0.1
-295	<0.1	<0.1	<0.1
-294	<0.1	<0.1	<0.1
-293	<0.1	<0.1	<0.1
-292	<0.1	<0.1	<0.1
-291	<0.1	<0.1	<0.1
-290	<0.1	<0.1	<0.1
-289	<0.1	<0.1	<0.1
-288	<0.1	<0.1	<0.1
-287	<0.1	<0.1	<0.1
-286	<0.1	<0.1	<0.1
-285	<0.1	<0.1	<0.1
-284	<0.1	<0.1	<0.1
-283	<0.1	<0.1	<0.1
-282	<0.1	<0.1	<0.1
-281	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-280	<0.1	<0.1	<0.1
-279	<0.1	<0.1	<0.1
-278	<0.1	<0.1	<0.1
-277	<0.1	<0.1	<0.1
-276	<0.1	<0.1	<0.1
-275	<0.1	<0.1	<0.1
-274	<0.1	<0.1	<0.1
-273	<0.1	<0.1	<0.1
-272	<0.1	<0.1	<0.1
-271	<0.1	<0.1	<0.1
-270	<0.1	<0.1	<0.1
-269	<0.1	<0.1	<0.1
-268	<0.1	<0.1	<0.1
-267	<0.1	<0.1	<0.1
-266	<0.1	<0.1	<0.1
-265	<0.1	<0.1	<0.1
-264	<0.1	<0.1	<0.1
-263	<0.1	<0.1	<0.1
-262	<0.1	<0.1	<0.1
-261	<0.1	<0.1	<0.1
-260	<0.1	<0.1	<0.1
-259	<0.1	<0.1	<0.1
-258	<0.1	<0.1	<0.1
-257	<0.1	<0.1	<0.1
-256	<0.1	<0.1	<0.1
-255	<0.1	<0.1	<0.1
-254	<0.1	<0.1	<0.1
-253	<0.1	<0.1	<0.1
-252	<0.1	<0.1	<0.1
-251	<0.1	<0.1	<0.1
-250	<0.1	<0.1	<0.1
-249	<0.1	<0.1	<0.1
-248	<0.1	<0.1	<0.1
-247	<0.1	<0.1	<0.1
-246	<0.1	<0.1	<0.1
-245	<0.1	<0.1	<0.1
-244	<0.1	<0.1	<0.1
-243	<0.1	<0.1	<0.1
-242	<0.1	<0.1	<0.1
-241	<0.1	<0.1	<0.1
-240	<0.1	<0.1	<0.1
-239	<0.1	<0.1	<0.1
-238	<0.1	<0.1	<0.1
-237	<0.1	<0.1	<0.1

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-236	<0.1	<0.1	<0.1
-235	<0.1	<0.1	<0.1
-234	<0.1	<0.1	<0.1
-233	<0.1	<0.1	<0.1
-232	<0.1	<0.1	<0.1
-231	<0.1	<0.1	<0.1
-230	<0.1	<0.1	<0.1
-229	<0.1	<0.1	<0.1
-228	<0.1	<0.1	<0.1
-227	<0.1	<0.1	<0.1
-226	<0.1	<0.1	<0.1
-225	<0.1	<0.1	<0.1
-224	<0.1	<0.1	<0.1
-223	<0.1	<0.1	<0.1
-222	<0.1	<0.1	<0.1
-221	<0.1	<0.1	<0.1
-220	<0.1	<0.1	<0.1
-219	<0.1	<0.1	<0.1
-218	<0.1	<0.1	<0.1
-217	<0.1	<0.1	<0.1
-216	<0.1	<0.1	<0.1
-215	<0.1	<0.1	<0.1
-214	<0.1	<0.1	<0.1
-213	<0.1	<0.1	<0.1
-212	<0.1	<0.1	<0.1
-211	<0.1	<0.1	<0.1
-210	<0.1	<0.1	<0.1
-209	<0.1	<0.1	<0.1
-208	<0.1	<0.1	<0.1
-207	<0.1	<0.1	<0.1
-206	<0.1	<0.1	<0.1
-205	<0.1	<0.1	<0.1
-204	<0.1	<0.1	<0.1
-203	<0.1	<0.1	<0.1
-202	<0.1	<0.1	<0.1
-201	<0.1	<0.1	<0.1
-200	<0.1	<0.1	<0.1
-199	<0.1	<0.1	<0.1
-198	<0.1	<0.1	<0.1
-197	<0.1	<0.1	<0.1
-196	<0.1	<0.1	<0.1
-195	<0.1	<0.1	<0.1
-194	<0.1	<0.1	<0.1
-193	<0.1	<0.1	<0.1

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-192	<0.1	<0.1	<0.1
-191	<0.1	<0.1	<0.1
-190	<0.1	<0.1	<0.1
-189	<0.1	<0.1	<0.1
-188	<0.1	<0.1	<0.1
-187	<0.1	<0.1	<0.1
-186	<0.1	<0.1	<0.1
-185	<0.1	<0.1	<0.1
-184	<0.1	<0.1	<0.1
-183	<0.1	<0.1	<0.1
-182	<0.1	<0.1	<0.1
-181	<0.1	<0.1	<0.1
-180	<0.1	<0.1	<0.1
-179	<0.1	<0.1	<0.1
-178	<0.1	<0.1	<0.1
-177	<0.1	<0.1	<0.1
-176	<0.1	<0.1	<0.1
-175	<0.1	<0.1	<0.1
-174	<0.1	<0.1	<0.1
-173	<0.1	<0.1	<0.1
-172	<0.1	<0.1	<0.1
-171	<0.1	<0.1	<0.1
-170	<0.1	<0.1	<0.1
-169	<0.1	<0.1	<0.1
-168	<0.1	<0.1	<0.1
-167	<0.1	<0.1	<0.1
-166	<0.1	<0.1	<0.1
-165	<0.1	<0.1	<0.1
-164	<0.1	<0.1	<0.1
-163	<0.1	<0.1	<0.1
-162	<0.1	<0.1	<0.1
-161	<0.1	<0.1	<0.1
-160	<0.1	<0.1	<0.1
-159	<0.1	<0.1	<0.1
-158	<0.1	<0.1	<0.1
-157	<0.1	<0.1	<0.1
-156	<0.1	<0.1	<0.1
-155	<0.1	<0.1	<0.1
-154	<0.1	<0.1	<0.1
-153	<0.1	<0.1	<0.1
-152	<0.1	<0.1	<0.1
-151	<0.1	<0.1	<0.1
-150	<0.1	<0.1	<0.1
-149	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-148	<0.1	<0.1	<0.1
-147	<0.1	<0.1	<0.1
-146	<0.1	<0.1	<0.1
-145	<0.1	<0.1	<0.1
-144	<0.1	<0.1	<0.1
-143	<0.1	<0.1	<0.1
-142	<0.1	<0.1	<0.1
-141	<0.1	<0.1	<0.1
-140	<0.1	<0.1	<0.1
-139	<0.1	<0.1	<0.1
-138	<0.1	<0.1	<0.1
-137	<0.1	<0.1	<0.1
-136	<0.1	<0.1	<0.1
-135	<0.1	<0.1	<0.1
-134	<0.1	<0.1	<0.1
-133	<0.1	<0.1	<0.1
-132	<0.1	<0.1	<0.1
-131	<0.1	<0.1	<0.1
-130	<0.1	<0.1	<0.1
-129	<0.1	<0.1	<0.1
-128	<0.1	<0.1	<0.1
-127	<0.1	<0.1	<0.1
-126	<0.1	<0.1	<0.1
-125	<0.1	<0.1	<0.1
-124	<0.1	<0.1	<0.1
-123	<0.1	<0.1	<0.1
-122	<0.1	<0.1	<0.1
-121	<0.1	<0.1	<0.1
-120	<0.1	<0.1	<0.1
-119	<0.1	<0.1	<0.1
-118	<0.1	<0.1	<0.1
-117	<0.1	<0.1	<0.1
-116	<0.1	<0.1	<0.1
-115	<0.1	<0.1	<0.1
-114	<0.1	<0.1	<0.1
-113	<0.1	<0.1	<0.1
-112	<0.1	<0.1	<0.1
-111	<0.1	<0.1	<0.1
-110	<0.1	<0.1	<0.1
-109	<0.1	<0.1	<0.1
-108	<0.1	<0.1	<0.1
-107	<0.1	<0.1	<0.1
-106	<0.1	<0.1	<0.1
-105	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-104	<0.1	<0.1	<0.1
-103	<0.1	<0.1	<0.1
-102	<0.1	<0.1	<0.1
-101	<0.1	<0.1	<0.1
-100	<0.1	<0.1	<0.1
-99	<0.1	<0.1	<0.1
-98	<0.1	<0.1	<0.1
-97	<0.1	<0.1	<0.1
-96	<0.1	<0.1	<0.1
-95	<0.1	<0.1	<0.1
-94	<0.1	<0.1	<0.1
-93	<0.1	<0.1	<0.1
-92	<0.1	<0.1	<0.1
-91	<0.1	<0.1	<0.1
-90	<0.1	<0.1	<0.1
-89	<0.1	<0.1	<0.1
-88	<0.1	<0.1	<0.1
-87	<0.1	<0.1	<0.1
-86	<0.1	<0.1	<0.1
-85	<0.1	<0.1	<0.1
-84	<0.1	<0.1	<0.1
-83	<0.1	<0.1	<0.1
-82	<0.1	<0.1	<0.1
-81	<0.1	<0.1	<0.1
-80	<0.1	<0.1	<0.1
-79	<0.1	<0.1	<0.1
-78	<0.1	<0.1	<0.1
-77	<0.1	<0.1	<0.1
-76	<0.1	<0.1	<0.1
-75	<0.1	<0.1	<0.1
-74	<0.1	<0.1	<0.1
-73	<0.1	<0.1	<0.1
-72	<0.1	<0.1	<0.1
-71	<0.1	<0.1	<0.1
-70	<0.1	<0.1	<0.1
-69	<0.1	<0.1	0.1
-68	<0.1	<0.1	0.1
-67	<0.1	<0.1	0.1
-66	<0.1	<0.1	0.1
-65	<0.1	<0.1	0.1
-64	<0.1	<0.1	0.1
-63	<0.1	<0.1	0.1
-62	<0.1	<0.1	0.1
-61	<0.1	<0.1	0.1

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-60	<0.1	<0.1	0.2
-59	<0.1	<0.1	0.2
-58	<0.1	<0.1	0.2
-57	<0.1	<0.1	0.2
-56	<0.1	<0.1	0.2
-55	<0.1	<0.1	0.2
-54	<0.1	<0.1	0.2
-53	0.1	0.1	0.2
-52	0.1	0.1	0.2
-51	0.1	0.1	0.2
-50	0.1	0.1	0.3
-49	0.1	0.1	0.3
-48	0.1	0.1	0.3
-47	0.1	0.1	0.3
-46	0.2	0.2	0.3
-45	0.2	0.2	0.4
-44	0.2	0.2	0.4
-43	0.2	0.2	0.4
-42	0.2	0.2	0.4
-41	0.2	0.2	0.5
-40	0.2	0.2	0.5
-39	0.2	0.3	0.5
-38	0.3	0.3	0.6
-37	0.3	0.3	0.6
-36	0.3	0.3	0.7
-35	0.3	0.4	0.7
-34	0.4	0.4	0.8
-33	0.4	0.4	0.9
-32	0.4	0.5	1.0
-31	0.5	0.5	1.0
-30	0.5	0.6	1.1
-29	0.6	0.6	1.3
-28	0.6	0.7	1.4
-27	0.7	0.8	1.5
-26	0.8	0.8	1.7
-25	0.9	0.9	1.9
-24	1.0	1.1	2.1
-23	1.1	1.2	2.4
-22	1.2	1.4	2.7
-21	1.4	1.5	3.1
-20	1.6	1.8	3.5
-19	1.8	2.0	4.0
-18	2.0	2.4	4.5
-17	2.3	2.7	5.2

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
-16	2.7	3.2	6.1
-15	3.1	3.8	7.1
-14	3.6	4.5	8.3
-13	4.3	5.4	9.8
-12	5.0	6.5	11.6
-11	5.9	7.9	13.8
-10	7.0	9.7	16.4
-9	8.2	11.9	19.6
-8	9.7	14.7	23.3
-7	11.4	18.1	27.6
-6	13.2	22.2	32.4
-5	15.1	27.0	37.4
-4	16.9	32.2	42.3
-3	18.4	37.4	46.6
-2	19.6	41.9	49.9
-1	20.3	45.0	52.0
0	20.5	46.2	52.6
1	20.3	45.0	52.0
2	19.6	41.9	49.9
3	18.4	37.4	46.6
4	16.9	32.2	42.3
5	15.1	27.0	37.4
6	13.2	22.2	32.4
7	11.4	18.1	27.6
8	9.7	14.7	23.3
9	8.2	11.9	19.6
10	7.0	9.7	16.4
11	5.9	7.9	13.8
12	5.0	6.5	11.6
13	4.3	5.4	9.8
14	3.6	4.5	8.3
15	3.1	3.8	7.1
16	2.7	3.2	6.1
17	2.3	2.7	5.2
18	2.0	2.4	4.5
19	1.8	2.0	4.0
20	1.6	1.8	3.5
21	1.4	1.5	3.1
22	1.2	1.4	2.7
23	1.1	1.2	2.4
24	1.0	1.1	2.1
25	0.9	0.9	1.9
26	0.8	0.8	1.7
27	0.7	0.8	1.5

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
28	0.6	0.7	1.4
29	0.6	0.6	1.3
30	0.5	0.6	1.1
31	0.5	0.5	1.0
32	0.4	0.5	1.0
33	0.4	0.4	0.9
34	0.4	0.4	0.8
35	0.3	0.4	0.7
36	0.3	0.3	0.7
37	0.3	0.3	0.6
38	0.3	0.3	0.6
39	0.2	0.3	0.5
40	0.2	0.2	0.5
41	0.2	0.2	0.5
42	0.2	0.2	0.4
43	0.2	0.2	0.4
44	0.2	0.2	0.4
45	0.2	0.2	0.4
46	0.2	0.2	0.3
47	0.1	0.1	0.3
48	0.1	0.1	0.3
49	0.1	0.1	0.3
50	0.1	0.1	0.3
51	0.1	0.1	0.2
52	0.1	0.1	0.2
53	0.1	0.1	0.2
54	<0.1	<0.1	0.2
55	<0.1	<0.1	0.2
56	<0.1	<0.1	0.2
57	<0.1	<0.1	0.2
58	<0.1	<0.1	0.2
59	<0.1	<0.1	0.2
60	<0.1	<0.1	0.2
61	<0.1	<0.1	0.1
62	<0.1	<0.1	0.1
63	<0.1	<0.1	0.1
64	<0.1	<0.1	0.1
65	<0.1	<0.1	0.1
66	<0.1	<0.1	0.1
67	<0.1	<0.1	0.1
68	<0.1	<0.1	0.1
69	<0.1	<0.1	0.1
70	<0.1	<0.1	<0.1
71	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
72	<0.1	<0.1	<0.1
73	<0.1	<0.1	<0.1
74	<0.1	<0.1	<0.1
75	<0.1	<0.1	<0.1
76	<0.1	<0.1	<0.1
77	<0.1	<0.1	<0.1
78	<0.1	<0.1	<0.1
79	<0.1	<0.1	<0.1
80	<0.1	<0.1	<0.1
81	<0.1	<0.1	<0.1
82	<0.1	<0.1	<0.1
83	<0.1	<0.1	<0.1
84	<0.1	<0.1	<0.1
85	<0.1	<0.1	<0.1
86	<0.1	<0.1	<0.1
87	<0.1	<0.1	<0.1
88	<0.1	<0.1	<0.1
89	<0.1	<0.1	<0.1
90	<0.1	<0.1	<0.1
91	<0.1	<0.1	<0.1
92	<0.1	<0.1	<0.1
93	<0.1	<0.1	<0.1
94	<0.1	<0.1	<0.1
95	<0.1	<0.1	<0.1
96	<0.1	<0.1	<0.1
97	<0.1	<0.1	<0.1
98	<0.1	<0.1	<0.1
99	<0.1	<0.1	<0.1
100	<0.1	<0.1	<0.1
101	<0.1	<0.1	<0.1
102	<0.1	<0.1	<0.1
103	<0.1	<0.1	<0.1
104	<0.1	<0.1	<0.1
105	<0.1	<0.1	<0.1
106	<0.1	<0.1	<0.1
107	<0.1	<0.1	<0.1
108	<0.1	<0.1	<0.1
109	<0.1	<0.1	<0.1
110	<0.1	<0.1	<0.1
111	<0.1	<0.1	<0.1
112	<0.1	<0.1	<0.1
113	<0.1	<0.1	<0.1
114	<0.1	<0.1	<0.1
115	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
116	<0.1	<0.1	<0.1
117	<0.1	<0.1	<0.1
118	<0.1	<0.1	<0.1
119	<0.1	<0.1	<0.1
120	<0.1	<0.1	<0.1
121	<0.1	<0.1	<0.1
122	<0.1	<0.1	<0.1
123	<0.1	<0.1	<0.1
124	<0.1	<0.1	<0.1
125	<0.1	<0.1	<0.1
126	<0.1	<0.1	<0.1
127	<0.1	<0.1	<0.1
128	<0.1	<0.1	<0.1
129	<0.1	<0.1	<0.1
130	<0.1	<0.1	<0.1
131	<0.1	<0.1	<0.1
132	<0.1	<0.1	<0.1
133	<0.1	<0.1	<0.1
134	<0.1	<0.1	<0.1
135	<0.1	<0.1	<0.1
136	<0.1	<0.1	<0.1
137	<0.1	<0.1	<0.1
138	<0.1	<0.1	<0.1
139	<0.1	<0.1	<0.1
140	<0.1	<0.1	<0.1
141	<0.1	<0.1	<0.1
142	<0.1	<0.1	<0.1
143	<0.1	<0.1	<0.1
144	<0.1	<0.1	<0.1
145	<0.1	<0.1	<0.1
146	<0.1	<0.1	<0.1
147	<0.1	<0.1	<0.1
148	<0.1	<0.1	<0.1
149	<0.1	<0.1	<0.1
150	<0.1	<0.1	<0.1
151	<0.1	<0.1	<0.1
152	<0.1	<0.1	<0.1
153	<0.1	<0.1	<0.1
154	<0.1	<0.1	<0.1
155	<0.1	<0.1	<0.1
156	<0.1	<0.1	<0.1
157	<0.1	<0.1	<0.1
158	<0.1	<0.1	<0.1
159	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
160	<0.1	<0.1	<0.1
161	<0.1	<0.1	<0.1
162	<0.1	<0.1	<0.1
163	<0.1	<0.1	<0.1
164	<0.1	<0.1	<0.1
165	<0.1	<0.1	<0.1
166	<0.1	<0.1	<0.1
167	<0.1	<0.1	<0.1
168	<0.1	<0.1	<0.1
169	<0.1	<0.1	<0.1
170	<0.1	<0.1	<0.1
171	<0.1	<0.1	<0.1
172	<0.1	<0.1	<0.1
173	<0.1	<0.1	<0.1
174	<0.1	<0.1	<0.1
175	<0.1	<0.1	<0.1
176	<0.1	<0.1	<0.1
177	<0.1	<0.1	<0.1
178	<0.1	<0.1	<0.1
179	<0.1	<0.1	<0.1
180	<0.1	<0.1	<0.1
181	<0.1	<0.1	<0.1
182	<0.1	<0.1	<0.1
183	<0.1	<0.1	<0.1
184	<0.1	<0.1	<0.1
185	<0.1	<0.1	<0.1
186	<0.1	<0.1	<0.1
187	<0.1	<0.1	<0.1
188	<0.1	<0.1	<0.1
189	<0.1	<0.1	<0.1
190	<0.1	<0.1	<0.1
191	<0.1	<0.1	<0.1
192	<0.1	<0.1	<0.1
193	<0.1	<0.1	<0.1
194	<0.1	<0.1	<0.1
195	<0.1	<0.1	<0.1
196	<0.1	<0.1	<0.1
197	<0.1	<0.1	<0.1
198	<0.1	<0.1	<0.1
199	<0.1	<0.1	<0.1
200	<0.1	<0.1	<0.1
201	<0.1	<0.1	<0.1
202	<0.1	<0.1	<0.1
203	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
204	<0.1	<0.1	<0.1
205	<0.1	<0.1	<0.1
206	<0.1	<0.1	<0.1
207	<0.1	<0.1	<0.1
208	<0.1	<0.1	<0.1
209	<0.1	<0.1	<0.1
210	<0.1	<0.1	<0.1
211	<0.1	<0.1	<0.1
212	<0.1	<0.1	<0.1
213	<0.1	<0.1	<0.1
214	<0.1	<0.1	<0.1
215	<0.1	<0.1	<0.1
216	<0.1	<0.1	<0.1
217	<0.1	<0.1	<0.1
218	<0.1	<0.1	<0.1
219	<0.1	<0.1	<0.1
220	<0.1	<0.1	<0.1
221	<0.1	<0.1	<0.1
222	<0.1	<0.1	<0.1
223	<0.1	<0.1	<0.1
224	<0.1	<0.1	<0.1
225	<0.1	<0.1	<0.1
226	<0.1	<0.1	<0.1
227	<0.1	<0.1	<0.1
228	<0.1	<0.1	<0.1
229	<0.1	<0.1	<0.1
230	<0.1	<0.1	<0.1
231	<0.1	<0.1	<0.1
232	<0.1	<0.1	<0.1
233	<0.1	<0.1	<0.1
234	<0.1	<0.1	<0.1
235	<0.1	<0.1	<0.1
236	<0.1	<0.1	<0.1
237	<0.1	<0.1	<0.1
238	<0.1	<0.1	<0.1
239	<0.1	<0.1	<0.1
240	<0.1	<0.1	<0.1
241	<0.1	<0.1	<0.1
242	<0.1	<0.1	<0.1
243	<0.1	<0.1	<0.1
244	<0.1	<0.1	<0.1
245	<0.1	<0.1	<0.1
246	<0.1	<0.1	<0.1
247	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
248	<0.1	<0.1	<0.1
249	<0.1	<0.1	<0.1
250	<0.1	<0.1	<0.1
251	<0.1	<0.1	<0.1
252	<0.1	<0.1	<0.1
253	<0.1	<0.1	<0.1
254	<0.1	<0.1	<0.1
255	<0.1	<0.1	<0.1
256	<0.1	<0.1	<0.1
257	<0.1	<0.1	<0.1
258	<0.1	<0.1	<0.1
259	<0.1	<0.1	<0.1
260	<0.1	<0.1	<0.1
261	<0.1	<0.1	<0.1
262	<0.1	<0.1	<0.1
263	<0.1	<0.1	<0.1
264	<0.1	<0.1	<0.1
265	<0.1	<0.1	<0.1
266	<0.1	<0.1	<0.1
267	<0.1	<0.1	<0.1
268	<0.1	<0.1	<0.1
269	<0.1	<0.1	<0.1
270	<0.1	<0.1	<0.1
271	<0.1	<0.1	<0.1
272	<0.1	<0.1	<0.1
273	<0.1	<0.1	<0.1
274	<0.1	<0.1	<0.1
275	<0.1	<0.1	<0.1
276	<0.1	<0.1	<0.1
277	<0.1	<0.1	<0.1
278	<0.1	<0.1	<0.1
279	<0.1	<0.1	<0.1
280	<0.1	<0.1	<0.1
281	<0.1	<0.1	<0.1
282	<0.1	<0.1	<0.1
283	<0.1	<0.1	<0.1
284	<0.1	<0.1	<0.1
285	<0.1	<0.1	<0.1
286	<0.1	<0.1	<0.1
287	<0.1	<0.1	<0.1
288	<0.1	<0.1	<0.1
289	<0.1	<0.1	<0.1
290	<0.1	<0.1	<0.1
291	<0.1	<0.1	<0.1

Continued on next page

Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
292	<0.1	<0.1	<0.1
293	<0.1	<0.1	<0.1
294	<0.1	<0.1	<0.1
295	<0.1	<0.1	<0.1
296	<0.1	<0.1	<0.1
297	<0.1	<0.1	<0.1
298	<0.1	<0.1	<0.1
299	<0.1	<0.1	<0.1
300	<0.1	<0.1	<0.1
301	<0.1	<0.1	<0.1
302	<0.1	<0.1	<0.1
303	<0.1	<0.1	<0.1
304	<0.1	<0.1	<0.1
305	<0.1	<0.1	<0.1
306	<0.1	<0.1	<0.1
307	<0.1	<0.1	<0.1
308	<0.1	<0.1	<0.1
309	<0.1	<0.1	<0.1
310	<0.1	<0.1	<0.1
311	<0.1	<0.1	<0.1
312	<0.1	<0.1	<0.1
313	<0.1	<0.1	<0.1
314	<0.1	<0.1	<0.1
315	<0.1	<0.1	<0.1
316	<0.1	<0.1	<0.1
317	<0.1	<0.1	<0.1
318	<0.1	<0.1	<0.1
319	<0.1	<0.1	<0.1
320	<0.1	<0.1	<0.1
321	<0.1	<0.1	<0.1
322	<0.1	<0.1	<0.1
323	<0.1	<0.1	<0.1
324	<0.1	<0.1	<0.1
325	<0.1	<0.1	<0.1
326	<0.1	<0.1	<0.1
327	<0.1	<0.1	<0.1
328	<0.1	<0.1	<0.1
329	<0.1	<0.1	<0.1
330	<0.1	<0.1	<0.1
331	<0.1	<0.1	<0.1
332	<0.1	<0.1	<0.1
333	<0.1	<0.1	<0.1
334	<0.1	<0.1	<0.1
335	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
336	<0.1	<0.1	<0.1
337	<0.1	<0.1	<0.1
338	<0.1	<0.1	<0.1
339	<0.1	<0.1	<0.1
340	<0.1	<0.1	<0.1
341	<0.1	<0.1	<0.1
342	<0.1	<0.1	<0.1
343	<0.1	<0.1	<0.1
344	<0.1	<0.1	<0.1
345	<0.1	<0.1	<0.1
346	<0.1	<0.1	<0.1
347	<0.1	<0.1	<0.1
348	<0.1	<0.1	<0.1
349	<0.1	<0.1	<0.1
350	<0.1	<0.1	<0.1
351	<0.1	<0.1	<0.1
352	<0.1	<0.1	<0.1
353	<0.1	<0.1	<0.1
354	<0.1	<0.1	<0.1
355	<0.1	<0.1	<0.1
356	<0.1	<0.1	<0.1
357	<0.1	<0.1	<0.1
358	<0.1	<0.1	<0.1
359	<0.1	<0.1	<0.1
360	<0.1	<0.1	<0.1
361	<0.1	<0.1	<0.1
362	<0.1	<0.1	<0.1
363	<0.1	<0.1	<0.1
364	<0.1	<0.1	<0.1
365	<0.1	<0.1	<0.1
366	<0.1	<0.1	<0.1
367	<0.1	<0.1	<0.1
368	<0.1	<0.1	<0.1
369	<0.1	<0.1	<0.1
370	<0.1	<0.1	<0.1
371	<0.1	<0.1	<0.1
372	<0.1	<0.1	<0.1
373	<0.1	<0.1	<0.1
374	<0.1	<0.1	<0.1
375	<0.1	<0.1	<0.1
376	<0.1	<0.1	<0.1
377	<0.1	<0.1	<0.1
378	<0.1	<0.1	<0.1
379	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
380	<0.1	<0.1	<0.1
381	<0.1	<0.1	<0.1
382	<0.1	<0.1	<0.1
383	<0.1	<0.1	<0.1
384	<0.1	<0.1	<0.1
385	<0.1	<0.1	<0.1
386	<0.1	<0.1	<0.1
387	<0.1	<0.1	<0.1
388	<0.1	<0.1	<0.1
389	<0.1	<0.1	<0.1
390	<0.1	<0.1	<0.1
391	<0.1	<0.1	<0.1
392	<0.1	<0.1	<0.1
393	<0.1	<0.1	<0.1
394	<0.1	<0.1	<0.1
395	<0.1	<0.1	<0.1
396	<0.1	<0.1	<0.1
397	<0.1	<0.1	<0.1
398	<0.1	<0.1	<0.1
399	<0.1	<0.1	<0.1
400	<0.1	<0.1	<0.1
401	<0.1	<0.1	<0.1
402	<0.1	<0.1	<0.1
403	<0.1	<0.1	<0.1
404	<0.1	<0.1	<0.1
405	<0.1	<0.1	<0.1
406	<0.1	<0.1	<0.1
407	<0.1	<0.1	<0.1
408	<0.1	<0.1	<0.1
409	<0.1	<0.1	<0.1
410	<0.1	<0.1	<0.1
411	<0.1	<0.1	<0.1
412	<0.1	<0.1	<0.1
413	<0.1	<0.1	<0.1
414	<0.1	<0.1	<0.1
415	<0.1	<0.1	<0.1
416	<0.1	<0.1	<0.1
417	<0.1	<0.1	<0.1
418	<0.1	<0.1	<0.1
419	<0.1	<0.1	<0.1
420	<0.1	<0.1	<0.1
421	<0.1	<0.1	<0.1
422	<0.1	<0.1	<0.1
423	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
424	<0.1	<0.1	<0.1
425	<0.1	<0.1	<0.1
426	<0.1	<0.1	<0.1
427	<0.1	<0.1	<0.1
428	<0.1	<0.1	<0.1
429	<0.1	<0.1	<0.1
430	<0.1	<0.1	<0.1
431	<0.1	<0.1	<0.1
432	<0.1	<0.1	<0.1
433	<0.1	<0.1	<0.1
434	<0.1	<0.1	<0.1
435	<0.1	<0.1	<0.1
436	<0.1	<0.1	<0.1
437	<0.1	<0.1	<0.1
438	<0.1	<0.1	<0.1
439	<0.1	<0.1	<0.1
440	<0.1	<0.1	<0.1
441	<0.1	<0.1	<0.1
442	<0.1	<0.1	<0.1
443	<0.1	<0.1	<0.1
444	<0.1	<0.1	<0.1
445	<0.1	<0.1	<0.1
446	<0.1	<0.1	<0.1
447	<0.1	<0.1	<0.1
448	<0.1	<0.1	<0.1
449	<0.1	<0.1	<0.1
450	<0.1	<0.1	<0.1
451	<0.1	<0.1	<0.1
452	<0.1	<0.1	<0.1
453	<0.1	<0.1	<0.1
454	<0.1	<0.1	<0.1
455	<0.1	<0.1	<0.1
456	<0.1	<0.1	<0.1
457	<0.1	<0.1	<0.1
458	<0.1	<0.1	<0.1
459	<0.1	<0.1	<0.1
460	<0.1	<0.1	<0.1
461	<0.1	<0.1	<0.1
462	<0.1	<0.1	<0.1
463	<0.1	<0.1	<0.1
464	<0.1	<0.1	<0.1
465	<0.1	<0.1	<0.1
466	<0.1	<0.1	<0.1
467	<0.1	<0.1	<0.1

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Table E-2 – Continued from previous page

Dist (feet)	Interconnection: Delta Magnetic Field Maximum (mG)	Interconnection: Inverted Delta Magnetic Field Maximum (mG)	Interconnection: Horizontal Magnetic Field Maximum (mG)
468	<0.1	<0.1	<0.1
469	<0.1	<0.1	<0.1
470	<0.1	<0.1	<0.1
471	<0.1	<0.1	<0.1
472	<0.1	<0.1	<0.1
473	<0.1	<0.1	<0.1
474	<0.1	<0.1	<0.1
475	<0.1	<0.1	<0.1
476	<0.1	<0.1	<0.1
477	<0.1	<0.1	<0.1
478	<0.1	<0.1	<0.1
479	<0.1	<0.1	<0.1
480	<0.1	<0.1	<0.1
481	<0.1	<0.1	<0.1
482	<0.1	<0.1	<0.1
483	<0.1	<0.1	<0.1
484	<0.1	<0.1	<0.1
485	<0.1	<0.1	<0.1
486	<0.1	<0.1	<0.1
487	<0.1	<0.1	<0.1
488	<0.1	<0.1	<0.1
489	<0.1	<0.1	<0.1
490	<0.1	<0.1	<0.1
491	<0.1	<0.1	<0.1
492	<0.1	<0.1	<0.1
493	<0.1	<0.1	<0.1
494	<0.1	<0.1	<0.1
495	<0.1	<0.1	<0.1
496	<0.1	<0.1	<0.1
497	<0.1	<0.1	<0.1
498	<0.1	<0.1	<0.1
499	<0.1	<0.1	<0.1
500	<0.1	<0.1	<0.1