

EXHIBIT A TO NINTH MODIFICATION OF CONSENT DECREE**CRUSHED BUILDING MATERIALS PLACEMENT PLAN****GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS**

The General Electric Company (GE) previously submitted to the U.S. Environmental Protection Agency (EPA) plans for demolishing Buildings 7, 11, 16, 17, 17C, and 19, the building material characterization data from those buildings, and a plan developed in coordination with the Pittsfield Economic Development Authority (PEDA) for segregation and disposition of the materials from those buildings (including on-site use of some of those materials). In a letter from EPA dated January 9, 2008, EPA noted that the on-site use and placement of these building demolition materials would require a modification to the Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site, as well as a detailed plan for the on-site placement of the materials (which would be attached to the CD Modification). In accordance with EPA's letter, this Crushed Building Materials Placement Plan (Placement Plan) constitutes the detailed plan required by EPA. This Placement Plan provides the following:

- A. Plan for the segregation and processing of building demolition debris;
- B. Plan for the placement of the building demolition debris;
- C. Estimated schedule for demolition, segregation, processing, and placement/restoration activities; and
- D. Plan for post-placement inspection and maintenance activities.

A. SEGREGATION AND PROCESSING OF BUILDING DEMOLITION DEBRIS

Building demolition activities will be performed in such a way as to allow the subsequent segregation of building materials based on the planned disposition of such materials (i.e., consolidation at the Hill 78 On-Plant Consolidation Area (OPCA), off-site disposition, or on-site use), as well as based on the building material composition (i.e., steel/non-crushable, crushable brick and concrete). As the buildings are demolished, the building materials will be segregated into separate temporary stockpiles for further processing. Figures A-1 through A-5 illustrate the anticipated material segregation, processing, and disposition approach for each building. The building demolition debris will be segregated and processed as described below.

Materials Subject to Off-Site Disposition

In general, building materials subject to off-site disposition will consist of materials not deemed suitable for disposition at the Hill 78 OPCA or for on-site use. These building materials are identified below.

- 1) Building 7 – An approximately 6,800 square foot portion of the roof that contains asbestos
- 2) Building 11 – The perimeter walls along the 2nd floor (see Figure A-6)
- 3) Building 11 – Vertical structural steel columns coated with asbestos mastic
- 4) Building 17 – The entire 2nd floor mezzanine (see Figure A-7)
- 5) Building 17 – The entire length of the steel column labeled 17-B-CW-39 that spans both floors (see Figure A-7)
- 6) Building 17 – The northern 1st floor corrugated metal wall located in between Bays 12 and 13 (see Figure A-7)
- 7) Building 17 – The northern corrugated metal wall located in between Bays 27 and 28 (see Figure A-7)
- 8) Building 17 – The southern cinder block wall located in between Bays 24 and 25 (see Figure A-7)

- 9) Building 17 – The southern cinder block wall located in between Bays 27 and 28 (see Figure A-7)
- 10) Building 17 – An approximately 4,800 square foot portion of the roof that contains asbestos
- 11) Building 19 – Three discrete areas of the 1st floor concrete slab on grade (see Figure A-8)
- 12) Building 19 – The steel column located near Bay E3 (see Figure A-9)
- 13) Building 19 – The steel column located near Bay E4 (see Figure A-9)
- 14) Building 19 – The steel column located near Bay E12 (see Figure A-9)
- 15) Building 19 – The northern brick wall located along Bays J4 and J6 (see Figure A-9)
- 16) Building 19 – The overhead crane located in between Bays B6 and B7 (see Figure A-9)
- 17) Building 19 – The east/west metal ceiling truss support located along Bays A12 to J12 (see Figure A-9)
- 18) Building 19 – The crane rail section located generally along Bays J2 and J7 (see Figure A-10)
- 19) Building 19 – The crane rail section located generally along Bays E2 to E13 (see Figure A-10)
- 20) Building 19 – The two overhead cranes located in between Bays F6 and F7 (see Figure A-10)

Based on current information, the above-listed materials would amount to approximately 4,000 cubic yards (cy). These building materials will be removed, segregated, processed, and disposed of off-site in accordance with applicable regulations, including those under the Toxic Substances Control Act (TSCA) and the Resource Conservation and Recovery Act (RCRA), as well as applicable regulations of the Massachusetts Department of Environmental Protection (MDEP).

Materials Subject to Consolidation at the Hill 78 OPCA

Following segregation of the above-listed building materials for off-site disposition, all of the remaining building materials are considered suitable for consolidation at the Hill 78 OPCA, with portions of those remaining building materials also being considered suitable for on-site use and placement (as further described below). The building materials that are suitable for consolidation at the Hill 78 OPCA, but are not considered suitable for on-site use and placement, will be consolidated at that OPCA. These materials consist of the following:

- 1) Buildings 7, 11, 16, 17, 17C, and 19 – All steel and other non-crushable building demolition debris (excluding those portions previously segregated for off-site disposition, as summarized above)
- 2) Building 7 – The entire northern perimeter wall (see Figure A-11)
- 3) Building 11 – The majority of the perimeter walls along the 1st floor (see Figure A-12)
- 4) Building 11 – All the perimeter walls along the 3rd floor (see Figure A-13)
- 5) Building 16 – A portion of the northern perimeter wall along the 4th floor (see Figure A-14)

Based on current information, the above-listed materials would amount to approximately 15,500 cy. Once these building materials have been segregated for Hill 78 OPCA consolidation, they will be processed so that the maximum size of the materials to be placed in the Hill 78 OPCA is 3 feet in largest dimension. In addition, the brick and concrete materials obtained from these building elements will be crushed and consolidated with the steel/non-crushable materials. Given that these crushed materials will not be subject to on-site placement, crushing is anticipated to be limited to that which is necessary to downsize the brick and concrete to generally 4 inches in diameter. GE will take steps to provide for a relatively even placement in the Hill 78 OPCA of (a) crushed brick and concrete and (b) structural steel and other non-crushable building debris, as necessary to facilitate proper compaction of the material at the OPCA.

As these materials are being processed, they will be transported to the Hill 78 OPCA for consolidation. The placement of these materials in the Hill 78 OPCA will be subject to the OPCA-related Performance Standards and requirements of the CD and the accompanying *Statement of Work for Removal Actions*

Outside of the River (SOW), the requirements of the approved OPCA Work Plans, and the volume limitations of the OPCA at the time of consolidation. (Note: A portion of the 15,500 cy of above-listed items will likely require off-site disposition due to limitations on the remaining capacity of the OPCA.) The transport of materials to the Hill 78 OPCA will be conducted in phases to minimize the on-site stockpiling of demolition debris in or near the 19s Complex. The number and timing of these consolidation phases will be determined in the field based on the actual volume of material being generated, as well as the physical composition of such material.

Materials Subject to On-Site Use and Placement

The materials to be segregated for on-site use and placement will be limited to brick and concrete materials from Buildings 7, 11, 16, 17, 17C and 19 that have been shown by prior sampling to have concentrations of PCBs and other hazardous constituents that would meet the soil-related CD Performance Standards, and be comparable to or lower than the Massachusetts Contingency Plan (MCP) Method 1 soil standards, for unrestricted use – namely:

- 1) For PCBs, an average concentration less than 2 ppm and a maximum concentration less than 10 ppm; and
- 2) For other hazardous constituents listed in Appendix IX of 40 C.F.R. Part 264 (excluding pesticides and herbicides), plus three additional constituents (benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine) either: (a) maximum concentrations lower than the EPA Region 9 Preliminary Remediation Goals (PRGs) for residential soil, as set forth in Exhibit F-1 to Attachment F to the SOW, or (for constituents for which such PRGs are not published) PRGs for surrogate compounds, as approved by EPA; or (b) for any constituents with concentrations exceeding such PRGs, average concentrations comparable to or lower than the MCP Method 1 soil standards for unrestricted use.

These materials (referred to herein as “Usable Crushed Building Materials”) will be those that remain following the segregation steps identified above. Such materials will be processed to a diameter of 2 inches or less and will be used for on-site backfill and grading purposes, as described below.

B. PLAN FOR THE PLACEMENT OF USABLE CRUSHED BUILDING MATERIALS

Following segregation of building materials for off-site disposition and consolidation at the Hill 78 OPCA, up to a maximum of 22,500 cy of Usable Crushed Building Materials (which will meet the above criteria) will be available for on-site placement for backfill and/or grading purposes at properties owned or planned to be transferred to PEDDA (the PEDDA Properties) and/or at certain other industrial portions of the GE Plant Area, as provided for under the CD Modification. Based on discussions with PEDDA, the Usable Crushed Building Materials from Buildings 7, 11, 16, 17, 17C, and 19 will be used at the locations and for the purposes described below (shown on Figure A-15):

- i. Location No. 1 – Backfilling of Vaults, Pits, and other Subsurface Voids within the 19s Complex – Usable Crushed Building Materials will be placed as needed to fill subsurface voids in and around the buildings subject to demolition. Based on a pre-demolition assessment, it is estimated that up to approximately 800 cy of Usable Crushed Building Materials will potentially be used to backfill these areas.
- ii. Location No. 2 – Extending the Tyler Street embankment along the northern face of Buildings 7, 17, and 17C – Usable Crushed Building Materials will be used as part of the fill material to extend the embankment from Tyler Street to the post-demolition floor slabs of Buildings 17 and 17C

(where there will be an elevation change ranging up to 12 feet), as well as the Building 7 area (located on GE-owned property outside the 19s Complex but immediately adjacent to Building 17), to provide a smoother and less steep transition from Tyler Street to those former building areas. This placement location is shown on Figures A-15 and A-16, and represents the placement of approximately 5,000 cy of in-place Usable Crushed Building Materials.

- iii. Location No. 3 – Creating an embankment along the Woodlawn Avenue retaining wall – Usable Crushed Building Materials will be used to construct an embankment extending from the eastern portion of Woodlawn Avenue to the post-demolition Building 11 floor slab area (where there will be an elevation change of approximately 15 feet) to provide a less steep transition and to provide additional lateral support for the retaining wall supporting Woodlawn Avenue. This placement location is shown on Figures A-15 and A-17, and represents the placement of approximately 6,700 cy of in-place Usable Crushed Building Materials.
- iv. Location No. 4 – Creating an embankment along the former Building 15 retaining wall – Usable Crushed Building Materials will be used to construct an embankment from the southern edge of the former Building 15 footprint to the post-demolition floor slabs of Buildings 1 through 6 (where there will be an elevation change of approximately 12 feet) to provide a less steep transition between those two areas. This placement location is shown on Figures A-15 and A-18, and represents the placement of approximately 6,000 cy or more of in-place Usable Crushed Building Materials.

The estimated volumes associated with the above placement plans total approximately 18,500 cy or more. The maximum total volume of Usable Crushed Building Materials to be used on-site will not exceed 22,500 cy. Where the Usable Crushed Building Materials are used to backfill subsurface voids within paved areas, the final surface will be patched with either concrete or asphalt to match the surrounding surface features. Where the Usable Crushed Building Materials are used for grading material, as in the second, third, and fourth placement locations described above, they will be placed consistent with the following parameters:

- a) Prior to placement, a topographic survey with a resolution of at least one-foot vertical contours on all areas designated for placement of Usable Crushed Building Materials will be completed. This topographic survey information is currently presented on Figures A-16 through A-18. After demolition and removal of material, but prior to the placement of any Usable Crushed Building Material, GE shall verify the topographic survey information presented in Figures A-16 through A-18. GE shall submit for EPA approval a report regarding such verification, including revised topographic surveys, if necessary.
- b) Prior to placement, GE will repave, repair, or replace (where necessary) all building slabs and paved areas that: (i) are designated as “paved” for purposes of complying with Performance Standards, as shown in Figure E-1 of GE’s October 31, 2007 submittal titled *Modification to Revised Attachment E – Post-Removal Site Control Plan*; (ii) show evidence of excessive cracking, fissures, spalling, rutting, potholes, or exposed subgrade material; and (iii) will be used for placement of Usable Crushed Building Materials. Pursuant to EPA’s prior conditional approval letter for the East Street Area 2-North RAA, dated August 20, 2007, all repairs or repaving to other building slabs and paved areas not addressed in the prior sentence above will be made no later than 30 days following the demolition of Buildings 7, 11, 16, 17, 17C, and 19 and the placement of the Usable Crushed Building Materials.

- c) Prior to placement, the Usable Crushed Building Materials will be processed (crushed) using conventional crushing equipment calibrated to achieve a maximum particle size of 2 inches in diameter or less.
- d) The maximum horizontal limits of the placement areas are identified on Figure A-15. Those limits represent the maximum horizontal “build-out” limits, unless unanticipated field conditions warrant, and EPA concurs with, a modification. EPA’s concurrence will be in its unreviewable discretion, after a reasonable opportunity for consultation with MDEP and PEDDA.
- e) The northern edge of the embankment will be tapered into existing grade along Tyler Street and the western edge of the embankment will be tapered into Woodlawn Avenue, with maximum elevations consistent with the elevations of Tyler Street and Woodlawn Avenue, respectively. The maximum elevations will also include a 1-foot layer of topsoil that will be seeded with a grass seed mix. These limits represent the maximum vertical “build-out” limits, unless unanticipated field conditions warrant, and EPA concurs with, a modification. EPA’s concurrence will be in its unreviewable discretion, after a reasonable opportunity for consultation with MDEP and PEDDA.
- f) The slope of the embankments will not exceed 50% (2 horizontal to 1 vertical).
- g) Geotextile fabric will be placed on existing unpaved surfaces subject to material placement to act as a demarcation between the existing ground surface and the processed building materials.
- h) The Usable Crushed Building Materials used to construct the embankments will be placed in approximate 12-inch-thick lifts and each lift will be properly compacted with a vibratory roller, alternating the direction of travel on each lift until the surface is hard and non-yielding and a minimum of four passes has been achieved.
- i) All Usable Crushed Building Materials will be covered with a minimum of 1 foot of soil, and the surface of that soil cover will be hydroseeded to establish vegetative growth.
- j) The embankments will be contoured to minimize potential erosion and sedimentation.
- k) Erosion control matting will be installed, where necessary, to further minimize erosion/formation of gullies as a result of stormwater runoff.
- l) Riprap and 2-inch stone will be installed along the toe of the embankments to dissipate stormwater runoff.
- m) Prior to the placement of the Usable Crushed Building Materials, the gravel layer identified on Figure A-18 will be removed and the integrity of the underlying building slab will be inspected and repaired with concrete, if necessary. Usable Crushed Building Materials, or other material that meets the requirements for unrestricted use, may be used in this area to replace the gravel. The removed gravel will be tested as necessary and may be reused pursuant to GE’s Project Operations Plan or properly disposed of off-site or in the Hill 78 OPCA. If the removed gravel meets the requirements for unrestricted use as described in Section A of this Placement Plan, then it may be reused in a GE-owned industrial portion of the GE Plant Area.
- n) Dust suppression measures will be implemented during placement of the Usable Crushed Building Materials and will continue until such time that the vegetative cover material is completely installed and established, to minimize dust generation to a threshold of “no visible

dust.” The suppression methods will be conducted in accordance with those outlined in Section 7 of Attachment D to GE’s Project Operations Plan (POP). GE will also submit an air monitoring plan to EPA for approval that complies with Attachment D of the POP.

- o) Following placement, GE will perform an as-built topographic survey of the in-place Usable Crushed Building Materials to compare to the pre-placement topographic survey data described in item a) above. These two surveys will be used to determine the actual in-place volume of Usable Crushed Building Materials placed and will serve to confirm that the Usable Crushed Building Materials were placed within the maximum “build-out” limits described in items d) and e) above, as well as to confirm that the total in-place volume of Usable Crushed Building Materials is not in excess of 22,500 cy. This demonstration will be submitted to EPA for its concurrence prior to the placement of vegetative planting material, so as to allow for potential re-grading and removal of material if necessary.

Any subsequent relocation of the Usable Crushed Building Materials will be conducted according to the CD Modification.

C. ESTIMATED SCHEDULE FOR DEMOLITION, SEGREGATION, PROCESSING, TRANSPORT, AND PLACEMENT ACTIVITIES

GE will conduct the demolition of Buildings 7, 11, 16, 17, 17C, and 19 and the material segregation, processing, and disposition/placement activities collectively under one program. GE commenced the structural demolition of these buildings on May 18, 2009. It is estimated that the continued demolition of these buildings and the material segregation, processing, and transport to the Hill 78 OPCA and off-site disposal facilities will occur over a timeframe of up to approximately 11 months. The on-site placement of Usable Crushed Building Materials will be implemented directly following the demolition and material handling and transport activities. Specifically, GE proposes to:

- i. Complete the structural demolition of Buildings 7, 11, 16, 17, 17C, and 19 and material segregation, processing, and transport to the Hill 78 OPCA and off-site disposal facilities within 11 months from commencement of demolition – i.e., by approximately April 18, 2010 (barring any unanticipated significant delays – e.g., inclement weather, equipment malfunction/unavailability); and
- ii. Complete the placement of Usable Crushed Building Materials, as part of the overall site restoration activities, within four months after completion of the building material handling and transport – i.e., by approximately August 18, 2010 (subject to suitable weather conditions required for vegetative plantings, as well as timely EPA concurrence with GE’s post-placement as-built topographic survey required prior to installation of vegetative plantings).

An illustration of this estimated schedule, including a general description of the activities comprising each major task, is provided as Attachment A-1. While the demolition and material segregation, processing, and transport activities are estimated to occur over a total timeframe of up to 11 months, GE will conduct these activities in a manner that expedites the transportation of materials to the Hill 78 OPCA for consolidation and minimizes the stockpiling of the demolition debris. GE will also conduct these activities in a manner that expedites the placement of Usable Crushed Building Materials in their final placement location. In no case will any materials be stockpiled longer than five months from the date of completion of building materials handling and transport (that is, item i above).

D. PLAN FOR POST-PLACEMENT INSPECTION AND MAINTENANCE ACTIVITIES

After the placement of the Usable Crushed Building Materials and the installation of the associated restoration materials (e.g., vegetative cover, riprap, and stone), inspection activities will be performed periodically for the restored areas where the Usable Crushed Building Materials were placed, consistent with the inspection activities described in Attachment J to the SOW, as modified by subsequent agreements between GE and EPA for other areas at this Site. These activities will include: (a) an initial inspection of those restored areas approximately within one month after completion of the material placement and installation of associated restoration materials; (b) semi-annual inspections for the first year after placement (anticipated to be performed in April or May and August or September); and (c) annual inspections thereafter (unless and until EPA approves an alternate frequency). In addition to these scheduled inspections, these areas will be inspected after severe storm events to verify that these areas have not sustained significant damage. For this purpose, a severe storm event is defined as a storm event in which a 15-minute instantaneous peak of 3,500 cubic feet per second (cfs) or greater is measured on the Housatonic River at the United States Geological Survey (USGS) gauging station at Coltsville, Massachusetts. Additionally, all areas where vegetation was planted will be inspected two times per year (anticipated to be in April or May and August or September) for a two-year period after the planting of the vegetation to assess the condition of the vegetation, including any evidence of stressed vegetation or sparse cover, and to ensure that the vegetation is growing as anticipated and providing the desired degree of erosion control.

These inspections will include review of the final as-built topographic survey plan(s) prepared upon completion of placement, and visual comparisons of the existing surface grades with those plans to identify any discrepancies from the placement components shown on those plans. The inspections will also include visual inspections of the restored surfaces for evidence of topsoil erosion, damage to visible synthetic components (e.g., geotextile), uneven settlement relative to the surrounding/final topography, areas of bare or sparse vegetation, signs of ponding water from storm events, vehicle ruts, and/or other visual abnormalities.

If these visual inspections identify discrepancies from the final as-built topographic survey plan(s) or any surface abnormalities or other areas or components requiring maintenance or repair, repairs will be performed to correct those conditions. Such repairs will occur within 60 days after the inspection, unless EPA approves a longer time for the implementation of such repairs. In addition, if areas are identified with bare or sparse vegetation, re-installation of topsoil and/or additional seeding will be performed in those areas. Further, after the vegetation has been established in those areas, periodic mowing of the vegetation will be performed (depending on growth).

A checklist for use during the inspection of the restored areas containing Usable Crushed Building Materials has been included with this proposal as Attachment A-2. EPA will be notified at least one week in advance of each scheduled inspection date so as to have the opportunity to accompany the individuals conducting the inspection. In addition, within 30 days of the completed inspection, an inspection report summarizing the inspection (including the completed inspection checklist included as Attachment A-2) will be submitted to EPA and MDEP and will identify plans and a schedule for conducting any necessary follow-up activities.

If, after the initial placement of the Usable Crushed Building Materials, any of the material is relocated to another on-site location (as described in the CD Modification), then these same inspection and maintenance requirements will apply to the new location(s), assuming that the materials are used at such location(s) for grading purposes with vegetative surface restoration, rather than being placed below grade and covered with a building, asphalt, or concrete pavement. In the latter situation, pavement inspections will be conducted in accordance with the applicable provisions of the associated Post-Removal Site

Control Plan for the Removal Action Area in which the material is placed, as approved by EPA. Once the Usable Crushed Building Materials are placed in a new location(s), the inspection schedule described above will be reset and will start over at the new location, beginning with an initial inspection within one month after completion of relocation. In addition, if only a portion of the Usable Crushed Building Materials is relocated, GE will submit a plan to EPA for approval, consistent with the requirements of this Placement Plan, for the repair, revegetation, inspection, and maintenance of the initial location of Usable Crushed Building Materials. Prior to the recording of an ERE, GE will also submit to EPA for approval a revised topographic survey with a resolution of at least one-foot vertical contours for any initial placement location where material is removed and a similar topographic survey of the new location where such material is placed.

Any agency approvals related to the inspection, monitoring and maintenance of the Usable Crushed Building Materials that are required or that are to occur after the recording of the ERE for the area where such materials are placed will be made by MDEP, with a reasonable opportunity for comment by EPA. All notifications of inspections, inspection reports, and other documentation related to inspections and maintenance will be given to EPA and MDEP.

Where the Usable Crushed Building Materials are present on a property owned by GE, GE will conduct the above-described inspection and maintenance activities. Consistent with Paragraphs 12.b(ii)(B) and 12.c(ii)(B) of the CD, where Usable Crushed Building Materials are present on a property(ies) that have been transferred to PEDDA (or, subsequently, by PEDDA to another party), the inspection and maintenance activities described above will be conducted by PEDDA, unless EPA determines that PEDDA has ceased to exist or otherwise will not or cannot perform such obligations (in which case GE will perform such activities). However, for such properties, GE will continue to perform the annual ERE inspections, as required by Paragraph 57.o of the CD.