

**Table 1**  
**Regulatory Cross References**  
**Site 107 , 18 Chapel Avenue**  
**Jersey City, New Jersey**



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N.J.A.C. 7:26E-	Remedial Action Report Requirements	Location
5.7(a)	The person responsible for conducting the remediation shall implement the remedial action and submit to the Department a remedial action report, along with a form found on the Department's website at <a href="http://www.nj.gov/dep/srp/srra/forms">www.nj.gov/dep/srp/srra/forms</a> , pursuant to (b) below, and according to the applicable regulatory timeframe in N.J.A.C. 7:26E-5.8.	throughout
5.7(b)	The person responsible for conducting the remediation shall present and discuss in the remedial action report all of the information identified or collected pursuant to N.J.A.C. 7:26E-5.1 through 5.6, along with all of the following:	throughout
5.7(b) 1	The general reporting requirements in N.J.A.C. 7:26E-1.6;	see below
1.6(a) 1	Submit all documents, forms, spreadsheets and worksheets required in this chapter to the Department pursuant to N.J.A.C. 7:26C-1.6. All forms and spreadsheets are available on the Department's website at <a href="http://www.nj.gov/dep/srp/srra/forms">www.nj.gov/dep/srp/srra/forms</a> . Except as specifically noted within this chapter, the forms, spreadsheets, and worksheets required by this section require information identifying the site, the responsible entity and the licensed site remediation professional, the certifications of the licensed site remediation professional and responsible entity submitting the data, and a summary of key data and conclusions, as applicable, associated with the technical information or document(s) with which they are required to be submitted;	The Cover/Certification Form is included with the Site Remediation Program Forms (Attachment 2). Section G will be signed with submittal of the Final RAR.  The paper Remedial Action Report form is no longer accepted and is intended for work conducted under the Licensed Site Remediation Professional Program. As this work is being conducted under direct oversight and not being submitted online, no Remedial Action Report form is included.
1.6(a) 2	Certify and have the licensed site remediation professional certify, pursuant to N.J.A.C. 7:26C-1.5, all forms and documents prepared to pursuant to this chapter;	Regulatory Forms
1.6(a) 3	Submit a completed case inventory document (CID) worksheet available on the Department's website at <a href="http://www.nj.gov/dep/srp/srra/forms">www.nj.gov/dep/srp/srra/forms</a> at the front of each remedial phase workplan and report required by this chapter, except for a preliminary assessment report where no areas of concern were identified;	Regulatory Forms
1.6(a) 4	Submit a quality assurance project plan (QAPP) prepared pursuant to N.J.A.C. 7:26E-2.2 with each remedial phase workplan and report required by this chapter, except for a preliminary assessment report and remedial action report;	Not Applicable for this Remedial Action Report

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1.6(a) 5	<p>Except where a final remediation document for unrestricted use is filed with the Department within one year after the earliest applicable trigger to remediate listed in N.J.A.C. 7:26C-2.2, submit all sampling data electronically in a summary table using the format outlined in the Site Remediation Program's "Electronic Data Interchange Manual," available at <a href="http://www.nj.gov/dep/srp/hazsite/docs/">www.nj.gov/dep/srp/hazsite/docs/</a>, in effect as of the date the document is submitted and include:</p> <p>i. The following locational information:</p> <p>(1) Horizontal data points reported in New Jersey state plane coordinates using the North American Datum of 1983 (NAD 1983), in accordance with the Department's Geographic Mapping and Digital Data Standards found in Appendix A of the General Practice and Procedure rules at N.J.A.C. 7:1D Appendix A, using units of U.S. survey feet; and</p> <p>(2) Locational information collected in latitude and longitude converted to New Jersey state plane coordinates. Conversion programs are available at <a href="http://www.nj.gov/dep/srp/hazsite/help/software/">www.nj.gov/dep/srp/hazsite/help/software/</a>;</p> <p>ii. All vertical data points reported as depth below ground surface, and in mean sea level using the North American Vertical Datum of 1988 (NAVD 1988) in accordance with the Department's Geographic Mapping and Digital Data Standards found in Appendix A of the General Practice and Procedure rules at N.J.A.C. 7:1D Appendix A.</p> <p>iii. A metadata file for each submission of electronic data that contain locational information in accordance with the Department's Geographic Mapping and Digital Data Standards found in Appendix A of the General Practice and Procedure rules at N.J.A.C. 7:1D Appendix A;</p>	Electronic data deliverable provided to NJDEP for data used to document compliance with remedial action goals; receipts of submittal included in Appendix C-3
1.6(a) 6	Submit a geographic information system (GIS) compatible site plan that includes the site boundaries and the location of all areas of concern as polygons.	Figure 2 - Pre-Remediation Site Plan
1.6(b) 1	The physical setting of the site that includes a general description of soils, geology, hydrology, hydrogeology, and topography of the site and surroundings;	Section 2.1 - Physical Setting of the Site
1.6(b) 2	A description of any significant events or seasonal variations that may have influenced sampling procedures or analytical results;	Changes in sampling protocol due to seasonally high-water table resulted in the implementation angled borings for samples beneath the groundwater table as discussed in Section 5.1 - Sidewall Sampling
1.6(b) 3	A description of the results and implications of field measurements or area-specific changes in sampling protocol due to field conditions;	Changes in sampling protocol due to field conditions included implementation of angled borings for samples beneath the groundwater table as discussed in Section 5.1 - Sidewall Sampling
1.6(b) 4	A list of: i. All variances from the requirements of this chapter submitted pursuant to N.J.A.C. 7:26E-1.7; and ii. All rationales submitted for deviations from any technical guidance pursuant to N.J.A.C. 7:26C-1.2(a)3;	Not Applicable for AOC-1B
1.6(b) 5	The applicable regulatory timeframe, including: i. Regulatory citation of the regulatory timeframe; and ii. Calendar date of the regulatory timeframe;	Master Schedule, referenced in Section 1.1

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1.6(b) 6	A summary table(s), organized by area of concern, of all sampling results, including sample location, medium, sample depth, field and laboratory identification numbers, analytical results, and comparison to remediation standards, and the following: I. Identification of each contaminant concentration exceeding a remediation standard; ii. Identification of each sample with a method detection limit or a practical quantitation level that exceeds a remediation standard, along with an explanation in the table key; and iii. A report of all soils and solids sample results in milligrams per kilogram on a dry weight basis, aqueous sample results in micrograms per liter, and air results in micrograms per cubic meter;	Table 3
1.6(b) 7	For soil borings, test pits and monitoring wells: I. Stratigraphic logs, which include soil/rock physical descriptions and field instrument readings detected during drilling for each soil boring, test pit and monitoring well; ii. State permit numbers and as-built specifications, if applicable; and iii. Monitoring well certification forms A (the well construction as built certification) and B (the well location certification) available on the Department's website at <a href="http://www.nj.gov/dep/srp/regs/guidance.htm">www.nj.gov/dep/srp/regs/guidance.htm</a> ;	I. Appendix B - Boring Logs ii and iii. Not Applicable
1.6(b) 8	Maps and figures, with map scale and orientation, including: I. Site location, land use, receptor evaluation, and area of concern maps; ii. Sample location map(s), that include the following: (1)Field identification numbers for all samples; (2)Sample locations, sample depths and contaminant concentrations plotted on the map; and (3)If data for more than 25 samples are presented for an area of concern, soil, ground water and sediment contaminant isopleth maps and cross section diagram(s), including the horizontal and vertical distribution of contaminants in each media, with sample point location numbers and contaminant concentrations; and iii. Ground water elevation contour maps showing the location of all monitoring wells, piezometers, or other ground water sampling points, for each set of static ground water level measurements for each aquifer;	i. Site Location: Figure 1 - USGS Site Location Map; Land Use: Regulatory Forms - Receptor Evaluation (Attachment 3); Areas of Concern; and, Figure 2 - Site Plan ii. Sample Location Maps: Figure 3 - In Place Soil Sample Locations iii. Not available
1.6(b) 9	A discussion of the usability of laboratory analytical data;	Section 7.0 - Reliability of Data
1.6(b) 10	A description of the significance of information generated in the library search of tentatively identified compounds and unknown compounds.	Not Applicable for this Site
5.7(b) 2	A presentation and discussion of all of the information identified or collected, pursuant to N.J.A.C. 7:26E-1.10 through 1.16 and an updated receptor evaluation on a form found on the Department's website at <a href="http://www.nj.gov/dep/srp/srra/forms">www.nj.gov/dep/srp/srra/forms</a> ;	Regulatory Forms - Receptor Evaluation (Attachment 3) and Section 9.0 - Receptor Evaluation Update
5.7(b) 3	A summary of the findings and recommendations for each area of concern from the remedial investigation report prepared pursuant to N.J.A.C. 7:26E-4.9;	Section 2.3 - Recommended Remedial Action
5.7(b) 4	A description, by area of concern, of each remedial action implemented;	Section 6.0 - Description of Remedial Action
5.7(b) 5	A list, by remedial action, of the remediation standards that apply to each remedial action;	Section 3.0 - Identification of Applicable Remedial Standards/Criteria and Table 2 - Soil Remediation Standards/Criteria
5.7(b) 6	Documentation, by area of concern, that each remedial action is effective in protecting the public health and safety and the environment by: I. Providing an overview of the data to establish the remedial action is operating as designed; or ii. Demonstrating compliance with the applicable remediation standards;	Section 8.0 - Documentation of the Protectiveness of the Remedial Action
5.7(b) 7	A remedial action permit application prepared pursuant to N.J.A.C. 7:26C-7, if applicable;	Not applicable for AOC-1B
5.7(b) 8	"As-built" diagrams for any permanent structures associated with the remedial action including, without limitation, caps or other structures associated with the remedial action and engineering controls, if applicable;	Section 8.0 - Documentation of the Protectiveness of the Remedial Action Appendix F - As-Built Diagrams

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5.7(b) 9	A detailed description of site restoration activities, if applicable;	Section 6.2.3 - Backfill
5.7(b) 10	The total remediation costs through the implementation of the remedial action;	Section 8.2 - Total Remedial Action Cost
5.7(b) 11	Documentation of all types and quantities of waste generated by the remedial action, including copies of fully executed manifests or bill(s) of lading documenting any off-site transport of waste;	Section 8.3 - Documentation of Waste Generation and Disposal Appendix G - Non-Hazardous Waste Disposal Documentation
5.7(b) 12	Documentation of the source, type, quantities, and location of each alternative fill and clean fill used as part of the remedial action at the site; and	Section 8.4 - Documentation of Source, Type, Quantities, and Location of Fill Appendix H - Clean Fill Documentation
5.7(b) 13	A description of each permit required and obtained to implement the remedial action.	Section 8.5 - Identification of Required Permits and Authorizations Appendix A - Permits and Approvals