



WELCOME TO THE

cutting edge

MATERIAL RECYCLING



PROCESSING loads of product.

PRODUCTS

- Recycled Concrete Aggregate (RCA)
- Tracking Pad
- Blue Stone - 3/4", 1/2"
- Structural Fill
- Dense Grade Aggregates (DGA)
- General Fill
- Top Soil

Impact Materials, a division of Impact Environmental, is a large-scale commercial supplier of recycled and virgin aggregate products.

IRRC

The Impact Reuse and Recovery Center (IRRC) is a one of a kind Class B, Historic Fill Recycling Facility located in Lyndhurst, New Jersey - just 8 miles outside the Lincoln tunnel and 13 miles from the George Washington Bridge. Situated on 5 acres with an additional 6 acres of support facilities and buildings, the IRRC facility includes inbound and outbound certified scales, truck wash amenities and an on-site laboratory. Products are manufactured using a variety of screening and crushing plants that are arranged to produce 8 separate products. All of these products are quality controlled

tested and certified clean. The size and quality of facilities makes IRRC a favorite of truckers supplying commercial clients throughout New York and New Jersey.

Inventory Control

Inventory is tracked using a drone-based GPS coordinate system that allows inventory stockpile volume measurements with high precision. This is the only way that product stockpile sampling and analysis can be properly metered and certified. Drone derived area and volume values can be exported in annotated maps of our product yards as ".pdf" files. The pdf overlays can be added to any 2D map. Resources and

products entering, and exiting are metered, by weight, using two New Jersey Department of Weights and Measures certified scales. The scale outputs are available for real time monitoring for clients and/or their engineers upon request. Tight control of our inventory means we can meet our clients' needs on time and budget.

CUMULATIVE WEIGHT IN TONS

Impact Materials provides the geotechnical analysis and expertise to determine the density of products for their specific use case. This allows project managers to make accurate forecasts of how much material will be needed to fill their sites rather than using rough approximations.

NJDEP SRP
Site Approvals

121

FOCUS ON quality control.

All materials received at our facilities that are used to manufacture products are tested for quality control using our in-house geotechnical laboratory and a third-party certified commercial environmental testing laboratory.

Samples are analyzed on turnaround times weeks faster than standard turnaround times to reduce lag time between testing and approval. Likewise, all manufactured products are stored in highly monitored stockpiles and are retested prior to sale to certify product quality conforms to the intended use. Samples are taken from finished stockpiles after their volume is calculated using drone-based GPS software. Results of the analysis are paired to the appropriate drone images and GPS data so that clients can be assured of quality. All products are

backed by comprehensive data packages inclusive of a Clean Fill Certification along with chemical, geotechnical and agronomy data as applicable. We work daily with Professional Engineers (PE's), New Jersey Department of Environmental Protection (NJDEP) Certified Licensed Site Remediation Professionals (LSRP's), Landscape Architects and Geotechnical Engineers to ensure that our products are acceptable for use on their projects throughout NY and NJ. Our products are reviewed and approved on projects overseen by the NJDEP Site Remediation Program (SRP), New York City Office of Environmental Remediation (NYC OER), New Jersey Schools Development Authority (NJSDA), New York City School Construction Authority (NYCSCA) and a variety of other overseeing authorities.

AREA: 2842.33 sqft
CUT: 502.36 cu.yd
VOL: 500.45 cu.yd
FILL: -1.91 cu.yd

LSRP PROGRAM CLEAN FILL REQUIREMENTS

Section 3.6 - Clean Fill is commonly used as a component of a remedial action, such as for the construction of the final cap of an engineering control (N.J.A.C. 7:26E-5.1(d)2) and must be used for the buffer and barrier layers for presumptive remedies (N.J.A.C. 7:26E-5.3, Table 5-1).

NUMBER OF
NJDEP LSRP's
Worked With

55



RCA



TRACKING
PAD



.75" CLEAN
BLUESTONE



1.5" BLUESTONE



STRUCTURAL FILL



DGA



GENERAL FILL



TOP SOIL

Bluestone Native hard rock derived from select areas of Manhattan and the Bronx to ensure the highest quality product. Industrial crushing and screening units are utilized to process the rock into various products.

DGA Our 1½" clean stone and ½" minus structural fill products are combined to create a dense grade aggregate (DGA) product meeting the requirements of NJDOT DGA.

General Fill Derived from select native overburden soils in select areas of Northern NJ & NYC excavated as part of site development, the material is processed to create a versatile compactable fill product.

Top Soil Select soils with characteristics beneficial for plant growth are custom blended with organic media to create our Topsoil. This ideal base material for grass growth meets the NJDOT specifications for Topsoil and NJDEP specifications for clean fill.

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- Tracking Pad
- Blue Stone - 3/4", 1-1/2"
- Structural Fill
- Dense Grade Aggregates
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- Top Soil

Recycled Concrete Aggregate (RCA) Our base RCA product is derived from concrete, brick, and block. Industrial crushing and screening units process the material to meet the gradation requirements of NJDOT DGA & RCA. Affordable, light weight alternative to virgin gravel.



EXPERIENCE
defining an
industry for

three decades.

Since 1989, our integrity, our dedication to detail and ethical business practices have earned Impact Environmental the respect of both developers and governmental regulators throughout the region.

We understand the exhaustive criteria of governmental agencies looking at your project, and we have the professional know-how to serve the best interests of all parties concerned. We work to achieve a workable, viable balance. Our bottom line is... "total client satisfaction."

We're involved in major capital improvement projects in the Northeast, often partnering with local governments as well as developers and financial institutions. For example, we led the project team that won the Phoenix Award for the

remediation of the former Rheingold Brewery, a site that now features low-cost housing for 125 residences.

Find a way or make a way

Not only are we one of the most established and qualified leaders in this industry; we are also one of the most innovative. Our continued challenge is to find the right solution for a specific need. As creative problem solvers, we are relentless in developing efficient strategies for complex environmental problems.

You're covered because we are.

We carry comprehensive insurance that includes Professional Errors and Omissions and Contractors Pollution Liability policies that have been specifically customized for our clients' needs.

Key policy riders and endorsements:

- 1st Party Transport Coverage
- 3rd Party Transport Coverage
- Disposal Site Coverage
- Blanket Additional Insured Coverage
- Waiver of Subrogation Coverage
- Disposal Site Selection Coverage
- Project Management Coverage
- Terrorism Coverage

We can also offer guaranteed lump-sum pricing backed with a cost cap insurance policy. Why provide all this coverage when we never expect to use it?

...So our clients never pay twice.

DEFINITION OF IMPACT

Impact Environmental has been providing waste management and environmental engineering services to clients, big and small, for over two decades. We are focused on creating value in our business; recognizing that we are only viable when clients can find it in our services.

Since environmental services are often conditioned, we have found ways that allow us to be driven by the clients' needs and not ours. Offering options from dead-end positions is what has and always will separate us from the pack.

It is our mission to introduce this difference of corporate culture and conduct onto the marketplace. Welcome to solid ground.

MINIMIZING embodied energy.

LEED Credit

LEED, or Leadership in Energy and Environmental Design, is the most widely used green building rating system in the world. Available for virtually all building, community and home project types, LEED provides a framework to create healthy, highly efficient and cost-saving green buildings. What isn't commonly known is that your waste and products that are recycled can generate LEED credits, in particular through the "Material and Resources" credit category.

The Materials and Resources credit category focuses on minimizing the embodied energy and other impacts associated with the extraction, processing, transport, maintenance, and disposal of

building materials. The requirements are designed to support a

life-cycle approach that improves performance and promotes resource efficiency.

The first step for obtaining such credits is a clearly defined specification for reuse and recycling of your waste streams and utilization of recycled products. Typically, this specification is captured in a document known as a Waste Management and Reuse Plan (WMRP). The plan will:

- Establish waste diversion goals for the project by classifying and materials targeted for diversion and approximate the percentage of the overall project waste from these targeted materials.
- Specify whether materials will be separated or commingled describe the diversion strategies planned for the project.

- Include a description of the properly permitted recycling and reuse facilities where the materials will be taken and how they will meter and process the material.

Impact Environmental can prepare a WMRP and provide on-site instruction for worker compliance with the plan. As the project moves forward, we will compile waste tickets, metrics and reports all in one convenient location. Utilizing a proprietary electronic tracking process (EDEN), we will digitally track and produce comprehensive project evaluations. This includes weight, volume, emissions and financial impact.

A report will be completed upon project completion for use in LEED certification.

LEED CREDITS

Remediation or Site "clean-up" involves the active mitigation or removal of pollution on a property. It's critical to have a vision of a property's end use before evaluating and selecting a final remediation strategy.

NUMBER OF
Square Feet
Revitalized

48.85
million



Welcome to Solid Ground™

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