

**Newell Porcelain Cleanup Application – 11.2.17 DRAFT
The Narrative Proposal/Ranking Criteria**

1. COMMUNITY NEED (16 points)

Targeted Community and Brownfields – The target community of Newell is located in *the Mountain State*, West Virginia (WV). As the state’s nickname implies, its landscape is dominated by rugged mountains. The state’s past is one laden with a rich—but often turbulent—history of natural resource extraction and industry related to coal, petroleum and natural gas, chemical production, glass manufacturing, and primary metals. These industries supported West Virginia’s economy and its residents since the late 1800s. However, as the economic importance of these industries waned in the country, businesses closed, jobs were lost, and many properties were left abandoned.

The Ohio River Valley, along WV’s western border played a key role in the state’s industrial history, with more developable land, offering gentler slopes, more open space, and access than other areas in the state. By the early 1900’s, large industrial facilities, connected via highway, railroad and river were developed along the water’s edge, around which residential and commercial properties were developed to support the local workforce.

The target community of Newell is one such community. Newell sits at the very tip of Hancock County, between the Ohio River to the west and the adjacent city of Chester to the east. It is the northernmost settlement in both the state of West Virginia and the whole Southern United States. The “Target Area” for cleanup is the former Newell Porcelain Facility, hereafter referred to as the “Building”. The Building is part of an 8-acre riverfront property in the north part of town on Harrison Street, directly across from a row of residential dwellings. The Building has been standing for 104 years. It was used for manufacturing until 2008 and for storage until 2014.

The property contains one of the two remaining riverfront industrial properties in Hancock County and has access to an inactive Norfolk Southern rail spur, which is proposed to be reactivated upon site reuse.

i. Demographic Information and Indicators of Need (2 points)

Newell Demographics

	Newell	Hancock County	Statewide	National
Population:	1,317	30,201	1,831,102	316,127,513 ¹
Unemployment:	9.9%	4.2%	4.2%	8.3% ¹
Poverty Rate:	10.9%	16.2%	18.0%	15.5 % ¹
Percent Minority:	11.9%	4.3%	6.4%	37.8% ²
Median Household Income:	\$35,424	\$39,959	\$41,751	\$53,889 ¹

¹Data are from the 2011-2015 American Community Survey 5-Year Estimates available on American Factfinder at https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml
²Data are from the 2011-2015 American Community Survey 5-Year Estimates available on American Factfinder at https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml. Note, the percent minority is derived from the HISPANIC OR LATINO AND RACE population table (i.e., the sum of the Hispanic or Latino (of any race), Black of African American alone, American Indian and Alaska Native alone, Asian alone, Native Hawaiian, and other Pacific Islander alone, Some other race alone and two or more races percentages).

Newell is not an incorporated city; it is defined as a Census-Designated Place. The area stands out from the rest of the county and the state as a whole with its unemployment, income, and minority statistics. Unemployment is remarkably high at 9.9% in Newell, higher than the county, state, and even national figures. Most likely as a result of this high unemployment rate, the city's median household income, \$35,424, lies far below the county, state, and national statistics. Another demographic that stands out in Newell is the minority rate. Sitting at 11.9%, this rate is much higher than both the county and state values.

According to the American Lung Association's 2015 State of the Air Report, the Pittsburgh-New Castle-Weirton metropolitan area, which includes Brooke and Hancock Counties, was classified as having the 10th most polluted air quality in the U.S.; it ranked 9th worst in year-round particle pollution, 10th in short-term particle pollution, and 21st in ozone pollution. According to the National Cancer Institute, WV has the third highest cancer mortality rate in the U.S. Between 2008 and 2012, the average annual age-adjusted mortality rate for cancer deaths in WV was 197.6 (deaths per 100,000), well above the national average of 171.2 for the same period. Eleven (11) of the 12 Ohio Valley counties experience higher than U.S. average cancer incidence rates, and all counties have significantly higher cancer death rates. Specifically, WV has the second highest lung cancer incident rate in the country at 93.35 (deaths per 100,000), and lung cancer rates are rising faster in 3 Ohio Valley counties than the U.S. average. Furthermore, the 17.7% of Ohio Valley residents living below the poverty line are even more sensitive to these environmental threats and health hazards, as they do not have the financial mobility to relocate; instead, they must face the negative health impacts of a brownfield site in their neighborhood.

ii. Brownfields and Their Impacts (2 points)

The Newell Porcelain Property, together with the Homer Laughlin China Company to the West and Wayne Six Enterprises to the East, make up an industrial complex in the Community of Newell. The Newell Porcelain Building, that once supported the local workforce and community, is now a source of community blight and is creating an unsafe neighborhood environment. The Building was originally owned by the Edward Knowles China Company, which manufactured china and pottery until it was sold to a Mike Turk in 1963. The use of the site under the 6 years of Turk's ownership is unknown. The Ohio Brass Company bought the site in 1969 and began manufacturing ceramic insulators for power lines. Then in 1988, the Newell Porcelain Company bought the site and continued to manufacture these insulators. Manufacturing at the site ceased around 2008, and the warehouse was used for storage until 2014.

Currently, Newell Porcelain Building and surrounding property are a vacant 8 acre area in the industrial complex. The Building is vacant due to air contaminants that were identified in the

Building's interior that are preventing it from being safely occupied or maintained. The lack of building repair is causing a downward spiral of effect on the community in terms of local and visitor's sense of place as well as the actual safety of the place. Lack of updates and maintenance to the structure are causing it to be a source of neighborhood blight, making the area a less appealing place to live and visit. Further, vacant space in the community is undesirable due to issues relating to attractive nuisance and the perception of and providing opportunity for crime in the community. While real crime in the Building has not yet become an issue, the continued lack of maintenance to the building's exterior will expedite the decomposition process, eventually compromising building security from trespassing. The Former TS&T Pottery Facility sat vacant in the neighboring community of Chester for many years until 2011, and, unfortunately, became a haven for crime and adolescent mischief before the property was cleaned up and redeveloped, a phenomena that should be avoided in the Community of Newell.

In addition to impacting local neighborhood perception and appeal, the Building is impacting local air, and subsequently soil, quality in the community. As the Building sits unmaintained, it is falling further into disrepair, compromising security from outside elements. The roof is already leaking in several places. As the roof and other parts of the Building's exterior become less secure, interior materials are becoming more exposed to wind, snow, and rain expediting the breakdown of the structure and allowing harmful particulates, such as asbestos, to waft through the community. Harmful particulates can then be inhaled by the people in Newell, significantly increasing their risk of cancer and other health issues.

A study by the Earth Sciences Consultants in 1997 found a significant quantity of asbestos-containing material (ACM).

a. Welfare, Environmental, and Public Health Impacts (6 points)

i. Welfare Impacts (2 points)

The Former Newell Porcelain Facility negatively affects the welfare of the community by contributing to blight. Blight is not only a nuisance, but it serves to keep Newell's median household income low by lowering property values and discouraging companies to set up in the area.

ii. Cumulative Environmental Issues (2 points)

The Former Newell Porcelain Facility and neighboring industrial sites have been identified as sources of contamination. Both the Newell Porcelain Company and the Ohio Brass Company (which owned and operated in the Building for a time) are listed by the Environmental Data Registry as Small Quantity Generators (SQG) of hazardous wastes. This means that they generate between 100 and 1,000 kg of hazardous waste per month. The neighboring industrial site Homer Laughlin China Company is listed as a Large Quantity Generator (LQG) of hazardous wastes, more than 1,000 kg a month. Homer Laughlin also

has a Leaking Underground Storage Tank (LUST). The commercial sites with listed LUSTs near the Building are Wayne Six Enterprises, the Potts Sonoco Service Station, and Wells Junior High School. Soil contamination was identified at all of these sites, but cleanups were reportedly completed at Wayne Six Enterprises and Wells Junior High School. Two additional SQG of hazardous waste located near the target site are Newell Central Services and the Jackson Service Center.

Newell is one of many areas in the Ohio River Valley being negatively affected by brownfields. Urban neighborhoods and work sites along the Ohio River Valley are situated near existing or former industrial sites that contain or discharge suspected and/or recognized toxicants such as heavy metals, solvents, polycyclic aromatic hydrocarbons, plasticizers, and insecticides. Many older educational, government, and commercial buildings contain asbestos, lead, potential high levels of PCB. Transportation service facilities pose a risk from petroleum products. Active industrial and energy production sites release airborne pollutants such as fine particulate matter (PM_{2.5}), volatile organic compounds (VOC), hydrocarbons (HC), nitrogen oxides (NO_x), and ozone (O₃), which are discharged along the Ohio River by prevailing westerly winds. Underground tanks and especially leaking underground tanks contained in industrial facilities like Homer Laughlin China Company also release chemicals into the soil, where they will eventually end up in the water. The USEPA lists Brooke, Hancock and Jefferson counties in its final designations (October 2009) as non-attainment for the 2006 24-hour PM_{2.5} Standards. Additionally, USEPA lists Brooke and Jefferson counties as an Initial Non-attainment Designation for the 2010 Sulfur Dioxide Standards. Sources include coke and steel-making facilities, metal fabrication and finishing as well as coal-fired power generating plants located within the target area on the Ohio River. These facilities, the MSA's long-time economic staple, contribute to an air quality problem that can lead to lung and cardio-vascular disease and cancer. Contaminants from brownfield sites, along with related activity such as automobile and heavy-truck traffic, migrate through the fine particulate matter into the air, eventually mixing with storm water and penetrating groundwater.

iii. Cumulative Public Health Impacts (2 points)

The presence of asbestos and other particulate matter in the Building and other neighborhood structures built before 1980 are having a negative impact on public health in Newell. Furthermore, this impact is becoming more substantial the longer that asbestos containing materials in the building are exposed. There are several dangers associated with asbestos exposure. Asbestos is the primary cause of mesothelioma cancer, and it also poses severe risks of asbestosis, asthma, and lung cancer, among other health issues. Asbestosis is an incurable lung disease that occurs when lung tissue is scarred by exposure to asbestos in the air. It not only causes worsening breathing problems over time, but raises chances of asbestos-related cancers as well.

While most cases of asbestos-related illnesses are a cause of occupational exposure, everyone living in the vicinity of buildings containing asbestos are in danger. Construction crews, plumbers, electricians, shipbuilders, and similarly employed people are the most at risk, as well as those who live in houses built before 1980.

About 80% of all of the industry and brownfield sites in northern West Virginia, according to GIS analysis, are located in HUD-defined low-to-moderate-income block groups, which contain the

greatest sensitive populations. These sensitive populations are comprised of low- and moderate-income populations; including children in poverty as well as women of child-bearing age, which are two sensitive populations that are impacted throughout the target region. The wealthier population that remains in the area has migrated away from the river, leaving behind areas with high poverty rates and low median incomes living in substandard housing and surrounded by vacated commercial properties. The WV County Health Profiles - 2004, the most current data available at the county level, indicates that Brooke and Hancock counties have statistically significant rankings compared to national rates for diseases of the heart, lung and colon cancers, diabetes, chronic obstructive pulmonary disease, and low-weight births. According to the 2004 report, Hancock County's rank is 34.6% higher than the national average. The report listed a cancer incidence rate of 561 .1 per 100,000 people in Hancock County, far exceeding a 2011 WebMD report stating that 300 of every 100,000 Americans develops cancer each year. The health report also stated that low-birth weight births in Hancock County from 1997-2001 was 9.8% out of 163 births, ranking 29.0% higher than the U.S. average and seventh overall in WV.

b. Financial Need (4 points)

i. Economic Conditions (2 points)

The unincorporated community of Newell has a population of 1,376 (2010 census) in a small county in West Virginia. Hancock County and Newell have a long history with steel manufacturing and pottery industries and are now working to address the impact of the decline of those industries. Hancock County's median household income is below the national average (\$49,879 compared to \$53,046). The County's poverty rate is 17.4%. The unemployment rate in Hancock County is 9.4%, higher than the national rate of 6.1%. A population already facing negative impacts from the decline of the steel and pottery industries has seen more hardship as a result of the recession in 2008 and continues to feel the impacts of both economic disruptions. Further job loss in the manufacturing sector is projected through 2020, although at a significantly slower rate.

These high unemployment and poverty rates negatively impact public funding, as counties and municipalities collect less revenue. The County and state are managing with limited funding and have little capacity to provide discretionary funds for additional projects.

The BDC, the site owner, receives revenue from property sales and leases through its role as the Regional Economic Development Authority, which will allow for an investment into demolition and redevelopment activities. However, there is not enough revenue to tackle the environmental clean-up associated with the needed remediation activities without additional investment from public and private sources.

ii. Economic Effects of Brownfields (2 points)

The vacant steel mills, coal mines, and manufacturing facilities that were left behind have had devastating impacts on the Ohio Valley. Lost jobs from the declining coal and steel industries have led to a dwindling population, reduced income levels, and high unemployment and poverty rates. As Ohio Valley home values declined, communities have been burdened with abandoned and dilapidated home structures left by former residents.

Reduced business taxes, personal property taxes, and expendable income supporting local business have had compounding effects on local governments; as counties and municipalities collect less revenue, government services are reduced or even eliminated, decreasing community vitality. Abandoned and underutilized brownfield properties have caused a severe and chronic tax base reduction. These properties are generally located in strategic business locations, but rarely considered by new developers due to stigma and potential liabilities. The circumstances are even more challenging for the several communities having very limited developable land; without remediating sites, no marketable land is available to attract new business. With local governments and the state struggling to manage with limited funds, there is essentially no capacity for providing discretionary monies to fund brownfield cleanup projects and spur economic development. The BDC recognizes that cleanup and redevelopment of brownfield sites in the Ohio Valley is imperative to the region and entire State of West Virginia, and the requested Newell Porcelain Building brownfield cleanup funding will provide a means to return a key property in the region.

2. PROJECT DESCRIPTION AND FEASIBILITY OF SUCCESS (30 points)

a. Project Description (15 points) -

i. Existing Conditions (2 points)

The Newell Porcelain property encompasses approximately 8 acres, with the majority of the property covered with buildings or pavement. The project to be funded is the Cleanup of the main manufacturing building on the Newell Porcelain property, hereafter referred to as “the Building”. The Building is approximately 5.9 acres and it sits on the western portion of an approximately 8 acre parcel. The Building is surrounded by residential, commercial, and industrial properties.

Harrison Street borders the Site to the south, across which lies several active residential dwellings. The Homer Laughlin China facility borders the subject property to the north and west. The Norfolk Southern rail line and Ohio River lie beyond Homer Laughlin China to the north. Fourth Street is to the east of the property across which lies a property that includes several buildings used by “Wayne Six Enterprises” for equipment maintenance associated with a general contracting business. The Building and surrounding property are situated on a relatively level terrace adjacent to the Ohio River, with the land surface approximately 55 feet above the normal pool elevation of the river.

The Building was developed around 1913 and was used to manufacture pottery ware and china until 1963. The Building was briefly used to store cars by an auto dealer from 1963-1969. From 1969-2014 the Building was used to fabricate ceramic insulators for electrical power lines. The occupancy of the building waned from full use in the 1990’s to 25% use in 2008, and operations ceased in 2014.

ii. Proposed Cleanup Plan (8 points)

See ABCA

iii. Alignment with Revitalization Plans (5 points)

The BDC participates in the Brooke Hancock Jefferson Brownfields Task Force, a group that meets quarterly to coordinate brownfield planning and redevelopment efforts as well as discuss the pursuit and management of brownfield projects and grants. Newell is an unincorporated place, surrounded in large part by rural land, for which extensive planning and zoning documents do not exist. The Task Force completed a Comprehensive Economic Development Strategy in 2015 that identifies the reuse of vacant industrial buildings as a priority. Further, the BDC is coordinating with neighboring industrial properties and utility providers to plan and implement updates to neighborhood utilities and other public infrastructure.

b. **Task Descriptions and Budget Table (10 points)**

i. Task Descriptions (7 points)

Task 1- Programmatic Oversight (TOTAL BUDGET: \$21,000): BDC expects to spend 650 total hours on program management at \$30/hour. Totaling \$19,500, BDC will provide these services in-kind as part of its required cost share. Additionally, as part of our cost share, we have included a cost of \$1,500 for one BDC staff member to travel to the Annual West Virginia Brownfields Conference, one Council of Development Finance Agencies (CDFA) summit, or the EPA National Brownfields Conference under this task (or combination thereof). This includes \$500 for transportation, \$800 for hotel accommodations, and \$200 for meals for two people for two nights each.

Task 2- Community Involvement (TOTAL BUDGET: \$4,000): The total amount budgeted for this task is \$4,000. The entire amount will be paid by the BDC as part of our cost share. \$4,000 will be used for space to hold meetings in the community. The BDC will contribute cash and/or in kind services for the development of informational materials, lease space for the community meetings, and to assist with outreach and community development. The BDC will select a contractor through a competitive bid process, make all the appropriate notifications and announcements, and brief the BDC Board, Council, and Community regularly throughout the process.

Task 3-Site Clean-up (TOTAL BUDGET: \$190,000): Qualified contractors will be selected through a competitive bid process to complete the remediation of the site. Remedial alternatives were developed in the attached ABCA. The cleanup will include the removal of ACMs to be disposed of at a permitted off-site facility. The grant amount requested for Task 3 Site Clean-up is \$190,000.

Task 4-Reuse Planning (TOTAL BUDGET: \$25,000): The BDC will work with management at neighboring industrial facilities, neighboring residents, and community interest groups to create a strategic neighborhood revitalization plan that will address the negative aspects that the Former Newell Porcelain Facility is having on the neighborhood. \$25,000 in grant funds are

requested for of this design. The BDC will select a contractor through a competitive bid process, make all the appropriate notifications and announcements, and brief the BDC Board, Council, and Community regularly throughout the process.

ii. **Budget Table (3 points)**

The Budget Table should be updated to a total project cost of \$500,000, with \$260,000 to be incurred by Haydall Redevelopment, LLC. upon site transfer.

Budget Categories	Project Tasks (\$) (programmatic costs only)				Total
	Task 1 – Programmatic Oversight	Task 2 – Community Involvement	Task 3 – Site Cleanup	Task 4 – Reuse Planning	
Personnel					
Fringe Benefits					
Travel ¹					
Equipment ²					
Supplies					
Contractual			\$190,000	\$10,000	\$200,000
Other (include subawards) (specify)					
Total Federal Funding (not to exceed \$200,000)			\$190,000	\$10,000	\$200,000
Cost Share (20% of requested federal funds)³	\$21,000	\$4,000	\$15,000		\$40,000
Total Budget	\$21,000	\$4,000	\$205,000	10,000	\$240,000

¹ Travel to brownfield-related training conferences is an acceptable use of these grant funds.
² EPA defines equipment as items that cost \$5,000 or more with a useful life of more than one year. Items costing less than \$5,000 are considered supplies. Generally, equipment is not required for Cleanup Grants.
³ Applicants must include the cost share in the budget even if applying for a cost share waiver. If the applicant is successful and the cost share waiver is approved, it will be removed in pre-award negotiation.
 Reminder: Administrative costs, such as indirect costs, of grant administration with the exception of financial and performance reporting costs are ineligible grant activities.

c. **Ability to Leverage (5 points)**

Sample Format for Leveraging Resources (supplement as appropriate using additional rows or text).

Source	Purpose/Role	Amount (\$)	Status (Secured resource with attached documentation, pending, or potential resource)
<i>E.g. City of X, Community Development Dept.</i>	<i>In-kind services towards the management of the cooperative agreement</i>	<i>\$10,000</i>	<i>Secured resource</i>
<i>E.g., local developer</i>	<i>Funding to remediate</i>	<i>\$100,000</i>	<i>Pending resource</i>

	<i>sites A&B</i>		
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3. COMMUNITY ENGAGEMENT AND PARTNERSHIPS (20 points)

a. Engaging the Community (8 points)

The BDC has formed a partnership with the Newell Community Council to engage the public with the Building cleanup. Together, they will hold meetings to inform the community about the cleanup and its results.

b. Partnerships with Government Agencies (5 points)

The BDC is also involved with the Hancock County Commission and the Brooke-Hancock-Jefferson Metropolitan Planning Commission. These agencies oversee Hancock county, where Newell is located, as well as the surrounding areas of the Ohio River Valley.

The Brooke-Hancock-Jefferson Metropolitan Planning Commission (BHJ-MPC) implemented the BHJ Brownfields Task Force. This task force, created to seek out brownfields in the area and find solutions for them, is made up of local leaders, development organizations, and state DEP officials. The Brownfields Task Force helps to engage the community by publishing a newsletter every quarter, containing details and updates on cleanup projects.

c. Partnerships with Community Organizations (5 points)

i. Community Organization Description & Role (3 points)

One of the community organizations in support of the Building cleanup is the Newell Lions Club. This nonprofit club is made up of citizens who volunteer for humanitarian causes in their community and beyond. The Lions support these causes by raising money and participating in service projects to benefit research and education, the disabled population, the community, and the environment. The club voices support for the Building cleanup because it will alleviate environmental issues and benefit the community of Newell.

The Newell Lions club has pledged to lend their gathering space for meetings regarding the Former Newell Porcelain Facility.

ii. Letters of Commitment (2 points)

d. Partnerships with Workforce Development Programs (2 points)

4. PROJECT BENEFITS (14 points)

a. Welfare, Environmental, and Public Health Benefits (8 points)

PROGRAM BENEFITS 4.a. Health and/or Welfare and Environmental Benefits – On multiple identified Ohio Valley brownfields, volatile organic compounds (VOCs), are a major contaminant of concern. VOCs can migrate as a vapor and enter buildings with sensitive populations (including young children, child-bearing women, and elderly), and this exposure pathway can cause leukemia, damage kidneys, and create reproductive risks (www.atsdr.cdc.gov). Remediation of such sites will reduce or eliminate this exposure pathway for site neighbors, improving the health of the community. Site redevelopment will also provide substantial social welfare benefits that include reduction in blight, incentive for in-migration to the community, improved care of nearby properties, and overall improvement in the reputation and perception of the current economically disadvantaged region. Because redevelopment will occur on existing abandoned/dilapidated sites within communities, residents will gain these benefits without being displaced. Environmental benefits include remediated land; site contaminant stabilization; and improved air, surface water, groundwater, and soil quality in and around the site. Furthermore, since the Building is adjacent to existing water, sewer, and roadway facilities, redevelopment of this site will not require infrastructure expansion. By utilizing existing infrastructure, energy consumption and generation of air pollutant emissions, including greenhouse gases, will be minimized in this EPA non-attainment region.

b. Economic and Community Benefits (6 points)

Economic and Community Benefits – The cleanup of the Building will raise property values in Newell by reducing the appearance of blight. This will drive more residents to the area, which will stimulate Newell’s economy by expanding the tax base. Another benefit this cleanup would bring is jobs. Norfolk Southern plans to create rail service jobs at the site due to its proximity to the rail line. This will decrease Newell’s high unemployment rate, and increase the median household income.

Because of this, Norfolk Southern was involved in the sale, and plans to bring rail service jobs back to Newell once the site is cleaned up. This surge of job creation will hopefully serve to reduce unemployment and raise the median household income in Newell.

5. PROGRAMMATIC CAPABILITY AND PAST PERFORMANCE (20 points)

The BDC was formed in 1993 and chartered as a 501(c)(3) organization. The BDC is the designated economic development organization for Brooke and Hancock counties and is supported financially by the WV Development Office, WV Economic Development Authority, USEDA, USEPA, Benedum Foundation, private investors, Brooke County Commission, Hancock County Commission, and the municipal governments of Bethany, Beech Bottom, Weirton, New Cumberland, and Chester. The project director of this EPA Cleanup Grant for The Lodge site will be Patrick Ford, the BDC’s Executive Director and Project Manager. Mr. Ford has 25 years of experience in project management, land development, and economic and community development. He has worked as a development executive in WV, Pennsylvania, Virginia, Maryland, and Florida. Mr. Ford holds both Bachelor’s and Master’s degrees in city planning from the University of Virginia, and is a graduate of Leadership West Virginia. Ford has been recognized as “Who’s Who Top Entrepreneurs in West Virginia” by the *West Virginia Business Journal*.

Commented [AW1]: Marvin will complete this section

Marvin Six is the Assistant Director and Assistant Project Manager of the BDC. Mr. Six has 35 years of experience in corporate management and 15 years in economic and community development in WV. Mr. Six holds a Bachelor's Degree in Business Management and Master's Degree in Industrial Safety from WV University, and is a graduate of the University of Pittsburgh Katz Graduate School Entrepreneurial Fellows Center.

Beyond the skills of staff and board of the BDC (which includes a balance of professionals from the private and public sectors), the BDC regularly retains professionals for a contractual services in project development, civil and structural engineering, site assessment, planning, accounting, and contract law.

If the BDC were to contract additional necessary expertise, it would contract such professionals via standard procurement procedures that meet all state and federal guidelines and have been employed in the past. The procedures include soliciting statements of qualifications and price proposals to be reviewed by the staff and executive board of the BDC. The BDC will engage a WV Licensed Remediation Specialist (LRS) to perform the specific assessment work on The Lodge, under supervision from the WVDEP.

a. Audit Findings [2 points]

The BDC has not had any adverse audit findings. On an annual basis, the BDC obtains an independent audit to validate its financial affairs. The BDC complies with the OMB Circular A-133 that requires recipients that expend \$300,000 or more in total Federal funds. For the 2012 USEPA cleanup grant, quarterly reports were filed on or before due dates and no ineligible costs were noted. The BDC and its officers, on a monthly basis, formally review and approve vouchers and expenses.

b. Past Performance and Accomplishments [6 points]

i. Currently or Has Ever Received an EPA Brownfields Grant [6 points]

1. Compliance with Grant Requirements (3 points)

In 2012, the BDC was awarded a \$200,000 USEPA cleanup grant for the TS&T site. The BDC was in full compliance with this grant's work plan, schedule, and terms and conditions. While the grant was originally planned for a three year period, **the work was completed within one year by special request from the EPA**. Grant dollars have been fully expended and the grant has been closed out.

The BDC was the recipient of three Targeted Brownfields Assessment (TBA) grants for three specific properties in 2014. The BDC was awarded \$225,000 for the former Wheeling Corrugating Plant property located in Beech Bottom, WV; \$70,000 for the former Brooke Glass site in Wellsburg; and \$90,000 for the Jimmy Carey Stadium located in Weirton. The BDC was awarded a USEPA Cleanup grant for the Wheeling Corrugating Plant and Brooke Glass in 2015. The grant period for these two cleanup grants is October 1, 2015 to November 30, 2018. We are currently preparing an RFP to solicit contractors to perform the cleanup work. Work will be completed in the grant period. The BDC was also awarded \$70,000 through a 2014 USEPA Site-specific Assessment grant for the TS&T riverbank property in 2014. The assessment work has been completed. The BDC also received a USEPA Cleanup grant for the TS&T riverbank in 2015. The

grant period for this cleanup grant is October 1, 2015 to November 30, 2018. We are currently working with the WVDEP to develop an acceptable approach to remediate the riverbank while preserving the hillside on the river's edge. Once an approach is approved by WVDEP, the BDC will solicit contactors to perform the cleanup work. The work will be completed in the grant period.

2. Accomplishments (3 points)

The USEPA produced a podcast on the work of the BDC that aired at the 2015 National Brownfields Conference, illustrating the BDC approach as a model for other communities. One example highlighted in the podcast was the cleanup and redevelopment of the former TS&T site in Chester, WV. The project achieved the following outcomes: 1) The original \$5,000 investment leveraged over \$1,300,000 from 14 funding streams to remediate the site; 2) Community input and support were garnered from almost two dozen meetings; and 3) The project won a competitive grant from the WV Redevelopment Collaborative from WVU and the Benedum Foundation

DRAFT

**ANALYSIS OF BROWNFIELDS CLEANUP ALTERNATIVES
NEWELL PORCELAIN SITE
FIFTH & HARRISON STREETS
NEWELL, HANCOCK COUNTY, WEST VIRGINIA**

Prepared For:

**BUSINESS DEVELOPMENT CORPORATION
OF THE NORTHERN PANHANDLE
WEIRTON, WEST VIRGINIA**

Prepared By:

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
EXPORT, PENNSYLVANIA**

CEC Project 164-123.2H2H

November 2017

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FIGURES

Figure 1 – Site Layout

APPENDICES

Appendix A – Excerpt from Asbestos Survey Report
Appendix B – Contractor Cost Estimates

1.0 INTRODUCTION AND BACKGROUND

1.1 INTRODUCTION

This Analysis of Brownfields Cleanup Alternatives (ABCA) for the former Newell Porcelain site (Site) was prepared by Civil & Environmental Consultants, Inc. (CEC) on behalf of the current Site owner, the Business Development Corporation of the Northern Panhandle (BDC). The BDC plans to submit an application to the U.S. Environmental Protection Agency (USEPA) for a Brownfields Cleanup Grant to be used for cleanup of the Site.

1.2 SITE DESCRIPTION AND HISTORICAL USE

The Site covers approximately 8 acres and is located along at Fifth and Harrison Streets in the City of Newell, Hancock County, West Virginia. The majority of the Site covered by buildings or pavement. The main manufacturing building, much of which is deteriorated and determined to be structurally unsound, covers approximately 5.9 acres. Three smaller buildings situated on concrete slab-on-grade foundations are located near the northeastern corner of the Site. These include the Frit House building, the Gas House, and the Pump House. The Site is located in a mixed-use area consisting of commercial, industrial and residential properties. The Site layout is shown on Figure 1.

The Edward Knowles China Company initially developed the Site around 1913. The Knowles Company manufactured pottery ware and china through 1963 when the property was sold to Mike Turk, a car dealer from East Liverpool, Ohio. Mr. Turk used the Site to store automobiles between 1963 and 1969. The Ohio Brass Company purchased the property in 1969, made renovations, and manufactured ceramic insulators for electrical power lines. In 1988, Ohio Brass sold the property to the Newell Porcelain Holding Company, Inc. Newell Porcelain Company and subsequently Newell Porcelain Holding Company continued the manufacturing of ceramic insulators through January 2006 when the facility assets (raw material/product inventory and equipment) was sold to Newell-PSN, LLC. Newell-PSN, LLC continued to manufacture ceramic insulators until 2008. The site has remained vacant since that time. In October 2016, Frank Six Enterprises, LLC purchased the property. The BDC purchased the property in November 2017 to facilitate redevelopment.

1.3 PREVIOUS SITE INVESTIGATION AND REMEDIATION ACTIVITIES

CEC completed a Phase I Environmental Site Assessment (ESA) of the Site under United States Environmental Protection Agency (USEPA) Brownfields Assessment Grant #BF973317-01 in June 2007. The Phase I ESA report identified several Recognized Environmental Conditions (RECs) with the potential to impact soil and groundwater at the Site and recommended that Phase II ESA activities be performed. CEC completed a Phase II ESA under the same grant and a final report was submitted to USEPA on January 15, 2008. The Phase II identified several localized areas with lead in surface soil at concentrations above the West Virginia Voluntary

Remediation Program De Minimis Standards. CEC performed a second Phase I ESA in November 2017 prior to BDC purchasing the Site. The Phase I report noted that the West Virginia Department of Environmental Protection completed a “Facility Closure” inspection in _____ and identified ___ additional areas of concern that were not identified in the 2008 Phase II ESA report. The BDC plans to complete additional Phase II ESA activities in 2018 under existing Brownfields Assessment Grant # BF 963458-01. The BDC also plans to enter the Site into the West Virginia Voluntary Remediation Program in 2018 and will “remediate” localized areas of soil contamination by capping (paving) during site redevelopment. This ABCA does not address soil remediation at the Site.

Mid Atlantic Environmental Consultants, Inc., a West Virginia-licensed asbestos inspector, completed a survey of Asbestos-Containing Materials (ACM) on the Site in October 2017. Three hundred eighty (380) samples of suspect ACM were collected and analyzed for asbestos. ACM was identified throughout the 5.6-acre building complex associated with insulation, floor tile/mastic, boiler mud, and roofing material. Much of the identified ACM is friable and creates a potential health hazard. Excerpts from the ACM survey report are provided in Appendix A. This ABCA addresses the abatement of ACM during building demolition/renovation to alleviate the public health concern with the existing Site condition and to facilitate redevelopment.

1.4 SITE RE-USE PLANS

The BDC plans to sell the property to a buyer that will redevelop the Site. The redevelopment plans include marketing to companies involved in energy and warehousing/distribution. The site has strong redevelopment potential given its location along the Ohio River with direct rail access.

2.0 APPLICABLE REGULATIONS AND CLEANUP STANDARDS

The asbestos removal and renovation work will be performed in accordance with the requirements of West Virginia Code 45CSR15 and 64CSR63. All required notifications will be made and the work will be performed by a West Virginia Bureau of Public Health licensed asbestos contractor. ACM waste will be disposed at an off-site permitted landfill in accordance with 40CFR260 and other applicable laws and regulations.

DRAFT

3.0 EVALUATION OF CLEANUP ALTERNATIVES

3.1 CLEANUP ALTERNATIVES AND ESTIMATED COSTS

Three alternatives are considered for addressing ACM at the site as discussed below.

Segregating ACM Prior To/During Demolition

Under this alternative, ACM in the buildings/structures to be razed would be removed to the extent practical prior to the start of demolition activities. The remainder would be removed or segregated from demolition debris to the extent practical as demolition proceeds. The segregated ACM would be disposed separately (from the demolition debris) at a permitted off-site facility. During demolition activities, independent oversight and ambient air monitoring would be performed by a West Virginia certified technician. Following the completion of demolition and ACM abatement activities, air and surface soil “clearance” sampling would be performed to verify no residual ACM remains.

The estimated cost for this alternative is as follows:

Work Plan and Notifications.....	\$1,000
Demolition to Access ACM.....	\$100,000
ACM Abatement/Disposal.....	\$400,000
Third Party Final Monitoring.....	\$10,000
Project Management	\$5,000
Total	\$516,000

One advantage of this alternative is that it would reduce total disposal costs by segregating ACM and demolition waste to the extent practical. Another advantage is the controlled removal of ACM reduces the likelihood of airborne ACM releases during demolition. Finally, this alternative is consistent with standard protocols and would not require special approvals by the West Virginia Department of Environmental Protection (WVDEP).

The only disadvantage with this alternative is that it would require more time to complete than the “Mass Demolition Alternative” described below.

Mass Demolition

Under this alternative, the buildings/structures to be razed would be demolished without selectively removing ACM. The resulting demolition debris would need to be disposed as asbestos waste at a permitted off-site facility. Demolition would be performed in a controlled manner to minimize airborne ACM to the extent practical. During demolition activities, independent oversight and ambient air monitoring would be performed by a West Virginia certified technician. Following the completion of demolition and ACM abatement activities, air and surface soil “clearance” sampling would be performed to verify no residual ACM remains.

The estimated cost for this alternative is as follows:

Work Plan and Notifications.....	\$1,000
Demolition	\$200,000
ACM/Debris Loading and Disposal.....	\$600,000
Third Party Final Monitoring.....	\$10,000
Project Management	\$5,000
Total	\$816,000

The advantage of this alternative is that it could be performed more quickly than the “Segregating ACM Prior To/During Demolition” alternative described above.

Disadvantages include: 1) increased cost; 2) greater potential for airborne ACM releases that may cause public health concerns and/or contamination of surrounding soil; and 3) the likelihood that special approvals would be required by the WVDEP.

No Action

This alternative would involve no action, leaving the site in its current condition. This is not considered a viable alternative given the current potential for public health hazards related to unstable structures and uncontrolled ACM at the site.

3.2 RECOMMENDED CLEANUP ALTERNATIVE

Based on the above evaluation, the recommended cleanup alternative is “Segregating ACM Prior To/During Demolition”.

3.3 CONSIDERATION OF CHANGING CLIMATE

Given the short duration and permanent nature of the ACM abatement project, the effects of climate change will not be a factor.

DRAFT

FIGURE



Ohio River

SUBMITTAL & REVISION RECORD

NO	DATE	DESCRIPTION
--	--	--

P:\2016\164-123-GIS\Map\EN011_2H2H\164123_2H2H_EN08_FIG1_SUBJECT_PROPERTY_LAYOUT.mxd 11/2/2017 2:01 PM (kcolazzi)



LEGEND

 APPROXIMATE SUBJECT PROPERTY LIMITS

REFERENCE

1. ESRI WORLD IMAGERY / ARCGIS MAP SERVICE:
[HTTP://GOTO.ARCGISONLINE.COM/MAPS/WORLD_IMAGERY](http://gto.arcgis.com/maps/world_imagery),
 ACCESSED 11/2/2017, IMAGERY DATE: 2015.



Civil & Environmental Consultants, Inc.

4000 Triangle Lane, Suite 200 - Export, PA 15632

724-327-5200 • 800-899-3610

www.cecinc.com

BUSINESS DEVELOPMENT CORPORATION OF
THE NORTHERN PANHANDLE
ABCA – NEWELL PORCELAIN PROPERTY
NEWELL, HANCOCK COUNTY, WEST VIRGINIA

SUBJECT PROPERTY LAYOUT MAP

DRAWN BY:	KMC	CHECKED BY:	DRAFT	APPROVED BY:	DRAFT*	FIGURE NO:	1
DATE:	11/02/2017	SCALE:	1" = 200'	PROJECT NO:	164-123.2H2H	* Hand signature on file	

APPENDIX A
EXCERPT FROM ASBESTOS SURVEY REPORT



FORMER NEWELL PORCELAIN FACILITY
FIFTH & HARRISON STREETS
NEWELL, WEST VIRGINIA
(HANCOCK COUNTY)



ASBESTOS SURVEY REPORT

MID ATLANTIC JOB NUMBER: CEC-17-20

OCTOBER 2017

PREPARED FOR:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
4000 TRIANGLE LANE
SUITE 200
EXPORT, PA 15632

PREPARED BY:

MID ATLANTIC ENVIRONMENTAL CONSULTANTS, INC.
5320 N. PIONEER ROAD
GIBSONIA, PA 15044
(724) 444-3460 – OFFICE
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October 24, 2017

Civil & Environmental Consultants, Inc.
4000 Triangle Lane
Suite 200
Export, PA 15632

Attn: Mr. Dave Olson

Re: Summary of Asbestos Facility Survey

To Whom It May Concern:

Commencing Friday, October 6th, 2017 through Friday, October 13th, 2017, Mid Atlantic Environmental Consultants, Inc. inspection team mobilized and implemented an asbestos demolition survey at the Former Newell Porcelain Facility Buildings located at 500 Harrison Street in Newell, West Virginia (Hancock County). The purpose of this survey was to identify any asbestos containing building materials that may impact the potential future demolition of the existing facility with the exception of the Office Building as per the current site owner Haydall Redevelopment, LLC. All visible and accessible suspect asbestos containing building materials were retrieved and analyzed by Polarized Light Microscopy (PLM) with dispersion staining techniques. An asbestos inspection report indicating the results of the survey is enclosed. Mr. Edgar King, an EPA / West Virginia Certified Asbestos Inspector, conducted all survey work and was the designated survey team leader for this project. This survey and report are for informational purposes only and are based on the best available information at the time of the survey. The information is intended to provide a basis to solicit bids and develop a plan for abatement work. Additional ACMs may be present which are not able to be identified during the survey. Some areas of the facility were inaccessible at the time of MAEC's investigation; therefore, sampling was limited due to existing safety concerns. Once abatement activities begin and areas are exposed, additional ACMs may be discovered. A change in the scope of services to identify and categorize additional ACMs may be required.

Mid Atlantic Environmental Consultants, Inc. appreciates the opportunity to assist Civil & Environmental Consultants, Inc. with this project and look forward to assisting you on future assignments. Should you have any further questions or concerns do not hesitate to contact us by phone at: (724) 444-3460; or by e-mail at: midatlantic@zoominternet.net.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Edgar J. King', written over a light blue horizontal line.

Edgar J. King
Asbestos Building Inspector
WV License #: AI009156

A handwritten signature in blue ink, appearing to read 'Timothy E. Daniels', written over a light blue horizontal line.

Timothy E. Daniels
Managing Partner
WV License #: AD003952

Former Newell Porcelain Plant Buildings

Mid Atlantic Environmental Consultants, Inc. was retained by Civil & Environmental Consultants, Inc. to conduct an asbestos demolition survey at the Former Newell Porcelain Facility located at 500 Harrison Street in Newell, West Virginia (Hancock County). Survey work began on Friday, October 6th, 2017 and was completed on Friday, October 13th, 2017. Mid Atlantic representative Mr. Edgar King, accompanied by Mr. Mike Pirro and Mr. Dennis Gillespie, performed a visual inspection and collected bulk samples of suspect asbestos containing building and thermal insulation materials throughout accessible areas of the facility. Mr. King, who is an EPA / West Virginia Certified Asbestos Inspector, was the designated team leader during this asbestos investigation / survey.

At the time of Mid Atlantic's on-site investigation / asbestos survey, all buildings were un-occupied; however, vehicles occupied the north end of the main plant building for storage purposes. Current existing conditions and observations are as listed:

- Roofs and floors were collapsed in various areas throughout the facility.
- Facility rooftops were found to be structurally unsound during our on-site investigation. MAEC survey personnel sampled accessible roofing materials from collapsed areas and holes within the plant. All roofs were surveyed with the exception of the Office Building roof as per the direction of the current site owner Haydall Redevelopment, LLC. The Office Building roof / associated flashing is assumed to be asbestos containing and must be treated as such if demolition procedures are implemented.
- The plant floor area was strewn with associated former plant debris and roofing materials.
- There was no electricity or other utilities; therefore, all survey work was completed using flashlights for lighting.
- The basement area, located in the center of the facility, was inaccessible due to the floor and the steps being collapsed / caved in. Roofing materials / debris was found in this area as well due to the roof being collapsed.

The purpose of this survey was to identify any suspect asbestos containing building materials and thermal insulations (including facility rooftops) that may impact planned future demolition of the facility.

Bulk samples of suspect asbestos containing building materials were collected throughout the buildings and from the rooftops. A total of three-hundred eighty (380) samples, (436) including splits were collected at this time. Of those samples, one-hundred sixty-eight (168) were identified as being ACM. An asbestos containing material is defined as any material containing greater than one percent (>1%) asbestos. For a summary of all identified ACM, refer to Table 1—Asbestos Containing Materials. The complete listing of materials sampled is indicated in Appendix A—Building Inspection Results. Refer to Appendix B – for Sample Location Diagrams.

TABLE 1—ASBESTOS CONTAINING MATERIALS

MATERIAL	LOCATION	APPROX. QUANTITY	FRIABLE / NON-FRIABLE	ASBESTOS CONTENT
Tan Exterior Window Caulking	Office Building Exterior Windows	88 Windows @ 22 Ln Ft Each	Non-Friable	4-6 % Chrysotile
Tan / Grey Mud Insulation	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	16 Sq Ft Visible	Friable	15-20 % Chrysotile 15% Amosite
Black / Grey TSI Aircell	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	3 Ln Ft Visible	Friable	45 % Chrysotile

Former Newell Porcelain Plant Buildings

TABLE 1—ASBESTOS CONTAINING MATERIALS (*Continued*)

MATERIAL	LOCATION	APPROX. QUANTITY	FRIABLE/ NON-FRIABLE	ASBESTOS CONTENT
Grey Mud Fitting	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	2 Fittings Visible	Friable	15-25 % Chrysotile 15% Amosite
Grey TSI Aircell	Office Building 1 st Floor Right Rear Office (In Closet)	8 Ln Ft Visible	Friable	45 % Chrysotile
White 12 x 12 Floor Tile	Office Building Basement / Plant Level Men's & Women's Restrooms	270 Sq Ft	Non-Friable	2-5% Chrysotile
Black Floor Tile Mastic	Office Building Basement / Plant Level Men's & Women's Restrooms	270 Sq Ft	Non-Friable	5-8% Chrysotile
Black / Brown 12 x 12 Floor Tile	Office Building Basement / Plant Level Lab	650 Sq Ft	Non-Friable	4-5% Chrysotile
Black Floor Tile Mastic	Office Building Basement / Plant Level Lab	650 Sq Ft	Non-Friable	4-6% Chrysotile
Off White 6" Aircell TSI	Office Building Basement / Plant Level Throughout	250 Ln Ft	Friable	60% Chrysotile
Tan 4" Aircell TSI	Office Building Basement / Plant Level Throughout	240 Ln Ft	Friable	60-70% Chrysotile
Grey 6" TSI Fitting	Office Building Basement / Plant Level Throughout	14 Fittings Visible	Friable	10-15% Chrysotile
Grey 4" TSI Fitting	Office Building Basement / Plant Level Throughout	31 Fittings Visible	Friable	10-15% Chrysotile
Tan Boiler Mud	Office Building Basement / Plant Level On Boiler and Floor	150 Sq Ft	Friable	6-20% Chrysotile 5-14% Amosite
Grey Transite	2 nd Floor Storage Area Over Shop Wall Panels	720 Sq Ft	Non-Friable	20% Chrysotile
White 4" Aircell Pipe Insulation	Plant Area	1,820 Ln Ft Visible	Friable	55% Chrysotile
Grey / Brown 6" Aircell Pipe Insulation	Plant Area	470 Ln Ft Visible	Friable	5-55% Chrysotile
White 8" Mag. Pipe Insulation	Plant Area Dryer Area	240 Ln Ft Visible	Friable	4% Chrysotile 11% Amosite
Grey 8" Aircell Pipe Insulation	Plant Area Dryer Area	240 Ln Ft Visible	Friable	60-70% Chrysotile

Former Newell Porcelain Plant Buildings

TABLE 1—ASBESTOS CONTAINING MATERIALS (*Continued*)

MATERIAL	LOCATION	APPROX. QUANTITY	Friable/ Non-Friable	ASBESTOS CONTENT
Beige Transite	2 nd Floor Top of Rear Stairwell	200 Sq Ft	Non-Friable	20% Chrysotile
Grey Transite Type Material	Plant Area Ceiling By Kiln	1,000 Sq Ft	Non-Friable	20% Chrysotile
Grey Insulation (Under Fiberglass)	Plant Area Kiln – 14” Duct	120 Ln Ft	Friable	70% Chrysotile
Grey Aircell Duct Wrap	Plant Area Kiln – 14” Duct	210 Ln Ft	Friable	67% Chrysotile 3% Crocidolite
Grey Corrugated Transite	Plant Area Kiln Top	1,150 Ln Ft	Non-Friable	20% Chrysotile
Grey Transite Wall Panels	Plant Area Kiln Front	260 Sq Ft	Non-Friable	15% Chrysotile
Grey Transite	Plant Area Rear	260 Sq Ft	Non-Friable	15% Chrysotile
White Aircell (Over Insulation)	Plant Area Boiler Stack 16” Line	40 Ln Ft	Friable	20-70% Chrysotile 5% Amosite
White Mag. Insulation	Basement Rear 6” Line	80 Ln Ft Visible	Friable	3-10% Chrysotile 3-10% Amosite
White Mag. Insulation	Basement Boiler Room 8” Line	80 Ln Ft Visible	Friable	10-20% Chrysotile 10-20% Amosite
Grey 4” Aircell Pipe Insulation	Basement VAT Room	200 Ln Ft Visible	Friable	40-70% Chrysotile
White 4” Mag. Insulation	Basement Electric Room	60 Ln Ft Visible	Friable	20% Chrysotile
Black Roof Flashing	South End High Roof	450 Ln Ft	Non-Friable	5-30% Chrysotile
Black Roofing	Small Galbestos Roof East of Campbell Kiln	1,200 Sq Ft	Non-Friable	40% Chrysotile
Black Galbestos Roofing	Larger Section Galbestos Roof	4,350 Sq Ft	Non-Friable	40% Chrysotile

Former Newell Porcelain Plant Buildings

TABLE 1—ASBESTOS CONTAINING MATERIALS (*Continued*)

MATERIAL	LOCATION	APPROX. QUANTITY	FRIABLE/ NON-FRIABLE	ASBESTOS CONTENT
Black Galbestos Roof Flashing	Larger Section Galbestos Roof	360 Ln Ft	Non-Friable	5% Chrysotile
Black Galbestos Roofing	South East Section Galbestos Roof	4,650 Sq Ft	Non-Friable	25-40% Chrysotile
Grey Transite Wall & Roof Panels	North End of Kiln	16,120 Sq Ft	Non-Friable	15% Chrysotile
Black Roof Flashing	Roof Over Dryers	980 Ln Ft	Non-Friable	2% Chrysotile
Black Roofing	Higher Roof	5,800 Sq Ft	Non-Friable	3% Chrysotile
Black Roofing	Roof	29,650 Sq Ft	Non-Friable	3-4% Chrysotile
Black Roofing	Roof Under Metal	6,500 Sq Ft	Non-Friable	5% Chrysotile
Black Roofing	Roof Under Metal	6,500 Sq Ft	Non-Friable	10-30% Chrysotile
Black / Brown Roofing	Roof Under Metal	5,200 Sq Ft	Non-Friable	30% Chrysotile
Black / Brown Roof Flashing	Roof Under Metal	1,200 Ln Ft	Non-Friable	20-30% Chrysotile
Black / Brown Roofing	Low Roof North End Section	9,100 Sq Ft	Non-Friable	10% Chrysotile
Black / Brown Roof Flashing	Low Roof North End Section	640 Ln Ft	Non-Friable	5% Chrysotile
Grey / Black Galbestos Coating	South End Pole Building Exterior	1,920 Ln Ft	Non-Friable	65% Chrysotile
Black Roofing	South End Roof	5,600 Sq Ft	Non-Friable	5% Chrysotile
Black Roof Flashing	South End Roof	150 Ln Ft	Non-Friable	8% Chrysotile
Grey / White Transite	Larger Out Building Interior Wall	750 Sq Ft	Non-Friable	40% Chrysotile
Grey / Black Window Glazing	Larger Out Building Interior Window Glazing	8 Windows @ 80 Ln Ft Each	Non-Friable	4% Chrysotile
Grey / White Duct Tape	Larger Out Building Interior Duct	13 Ln Ft	Friable	55-60% Chrysotile
Grey / White Transite	Larger Out Building Exterior Roof	3,480 Sq Ft	Non-Friable	40% Chrysotile

Former Newell Porcelain Plant Buildings

TABLE 1—ASBESTOS CONTAINING MATERIALS (*Continued*)

MATERIAL	LOCATION	APPROX. QUANTITY	FRIABLE/ NON-FRIABLE	ASBESTOS CONTENT
Grey Interior Window Glazing	Gas Out Building	4 Windows @ 12 Ln Ft Each	Non-Friable	4% Chrysotile
Black / Brown Galbestos Roofing	Shack Next to Gas Building	144 Sq Ft	Non-Friable	60% Chrysotile
Roofing / Associated Flashing	Office Building	4,000 Sq Ft	Non-Friable	Assumed

AmeriSci Laboratories of Richmond, Virginia analyzed the bulk samples by Polarized Light Microscopy (PLM) methods. PLM analysis utilizes dispersion staining techniques as described by the Environmental Protection Agency (EPA) Method 600/M4-82-020. Refer to Appendix C for laboratory analysis results.

All asbestos abatement work should be conducted by a licensed asbestos abatement contractor prior to implementing any demolition activity procedures. Prior to the initiation of any asbestos abatement work, ensure that all of the delegated state and local pollution control agencies in the area and / or the EPA regional office are notified.

Refer to appendices for further information.

Appendix A—Facility Inspection Results

Appendix B—Sample Location Diagrams

Appendix C—Laboratory Analysis Results

Appendix D—Accreditation

Should you have any further questions, feel free to contact our office at (724) 444-3460.

DISCLAIMER

DATE OF ISSUE— October 24, 2017

This asbestos survey report was prepared by Mid Atlantic Environmental Consultants, Inc. The purpose of this survey is to provide general information for the potential upcoming demolition project related to the Former Newell Porcelain Facility Buildings located at 500 Harrison Street in Newell, West Virginia (Hancock County) regarding the presence of accessible and / or exposed building materials (including the roofs) that commonly contain asbestos. There is the distinct possibility that conditions exist which could not be identified within the scope of the study or which were not apparent during the site visit. Unexposed and / or physically inaccessible areas are not warranted in regards to this specific asbestos survey. No warranties expressed or implied are made by Mid Atlantic or its employees, as to the use of any information, apparatus, product or process, disclosed in this report. If project bidding is to be performed in regards to asbestos abatement, it is recommended that all potential abatement contractors re-quantify all given quantities provided in this report. All given quantities of building materials are approximations only. This report is provided for the sole purpose of identifying visible / accessible asbestos containing building materials as outlined herein.

Appendix A – Facility Inspection Results

Mid Atlantic Environmental Consultants, Inc.
 5320 N. Pioneer Road
 Gibsonia, PA 15044
 (724) 444-3460 Phone (724) 444-3463 Fax
 Email: midatlantic@zoominternet.net

Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 6, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
01	Office Building 2 nd Floor Offices	White / Grey 1 x 1 Ceiling Tile	1,200 Sq Ft (A)	Poor	High	None
02	Office Building 2 nd Floor Offices	Brown Glue Dot	1,200 Sq Ft (B)	Poor	High	None
03	Office Building 2 nd Floor Offices	White / Grey 1 x 1 Ceiling Tile	(A)	Poor	High	None
04	Office Building 2 nd Floor Offices	Brown Glue Dot	(B)	Poor	High	None
05	Office Building 2 nd Floor Offices	White / Grey 1 x 1 Ceiling Tile	(A)	Poor	High	None
06	Office Building 2 nd Floor Offices	Brown Glue Dot	(B)	Poor	High	None
07A	Office Building 2 nd Floor Throughout	White Skim Coat Ceiling Plaster	3,850 Sq Ft (C)	Poor	High	None
07B	Office Building 2 nd Floor Throughout	Grey Base Coat Ceiling Plaster	(C)	Poor	High	None
08A	Office Building 2 nd Floor Throughout	White Skim Coat Ceiling Plaster	(C)	Poor	High	None
08B	Office Building 2 nd Floor Throughout	Grey Base Coat Ceiling Plaster	(C)	Poor	High	None

Please be advised that the letter / symbol under the approximate quantities column denotes approximate duplicate quantities through-out this survey for that particular material.

Mid Atlantic Environmental Consultants, Inc.
 5320 N. Pioneer Road
 Gibsonia, PA 15044
 (724) 444-3460 Phone (724) 444-3463 Fax
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Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 6, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
09A	Office Building 2 nd Floor Throughout	White Skim Coat Ceiling Plaster	(C)	Poor	High	None
09B	Office Building 2 nd Floor Throughout	Grey Base Coat Ceiling Plaster	(C)	Poor	High	None
10	Office Building 2 nd Floor Throughout	Tan Ceiling Plaster	(C)	Poor	High	None
11A	Office Building 2 nd Floor Throughout	White Skim Coat Ceiling Plaster	(C)	Poor	High	None
11B	Office Building 2 nd Floor Throughout	Tan Base Coat Ceiling Plaster	(C)	Poor	High	Trace
12A	Office Building 2 nd Floor Perimeter Walls	White Skim Coat Wall Plaster	3,150 Sq Ft (D)	Poor	High	None
12B	Office Building 2 nd Floor Perimeter Walls	Tan Base Coat Wall Plaster	(D)	Poor	High	Trace
13A	Office Building 2 nd Floor Perimeter Walls	White Skim Coat Wall Plaster	(D)	Poor	High	None
13B	Office Building 2 nd Floor Perimeter Walls	Grey Base Coat Wall Plaster	(D)	Poor	High	None

Please be advised that the letter / symbol under the approximate quantities column denotes approximate duplicate quantities throughout this survey for that particular material.

Mid Atlantic Environmental Consultants, Inc.
 5320 N. Pioneer Road
 Gibsonia, PA 15044
 (724) 444-3460 Phone (724) 444-3463 Fax
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Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 6, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
14A	Office Building 2 nd Floor Perimeter Walls	White Skim Coat Wall Plaster	(D)	Poor	High	None
14B	Office Building 2 nd Floor Perimeter Walls	Tan Base Coat Wall Plaster	(D)	Poor	High	Trace
15A	Office Building 2 nd Floor Perimeter Walls	White Skim Coat Wall Plaster	(D)	Poor	High	None
15B	Office Building 2 nd Floor Perimeter Walls	Tan Base Coat Wall Plaster	(D)	Poor	High	Trace
16A	Office Building 2 nd Floor Perimeter Walls	White Skim Coat Wall Plaster	(D)	Poor	High	None
16B	Office Building 2 nd Floor Perimeter Walls	Tan Base Coat Wall Plaster	(D)	Poor	High	Trace
17	Office Building Exterior Windows	Beige Exterior Window Glazing	88 Windows @ 60 Ln Ft Each (E)	Poor	High	None
18	Office Building Exterior Windows	Tan Exterior Window Caulking	88 Windows @ 22 Ln Ft Each (F)	Poor	High	4 %
19	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Tan Mud Insulation	16 Sq Ft Visible (G)	Poor	High	20 %
20	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Grey Mud Insulation	(G)	Poor	High	30 %

Please be advised that the letter / symbol under the approximate quantities column denotes approximate duplicate quantities through-out this survey for that particular material.

Mid Atlantic Environmental Consultants, Inc.
 5320 N. Pioneer Road
 Gibsonia, PA 15044
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Building Inspection Results

Client: Civil & Environmental Consultants, Inc.
 Project: Newell Porcelain Plant – Fifth & Harrison Streets
 Newell, West Virginia
 Job Number: CEC-17-20

Date: October 6, 2017
 Inspector: Edgar King
 EPA / West Virginia Lic. No: AI009156

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
21	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Grey Mud Insulation	(G)	Poor	High	30 %
22	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Black / Grey TSI Aircell	3 Ln Ft Visible (H)	Poor	High	45 %
23	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Black / Grey TSI Aircell	(H)	Poor	High	45 %
24	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Black / Grey TSI Aircell	(H)	Poor	High	45 %
25	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Grey Mud Fitting	2 Fittings Visible (I)	Poor	High	25 %
26	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Grey Mud Fitting	(I)	Poor	High	25 %
27	Office Building 1 st Floor Under Bench Behind Radiator Also on Ground	Grey Mud Fitting	(I)	Poor	High	35 %
28A	Office Building 1 st Floor Offices to Left of Entrance Under Carpet	Tan / Brown 9 x 9 Floor Tile	900 Sq Ft (J)	Poor	High	None
28B	Office Building 1 st Floor Offices to Left of Entrance Under Carpet	Black Floor Tile Mastic / Felt	(J)	Poor	High	None

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Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 6, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
29A	Office Building 1 st Floor Offices to Left of Entrance Under Carpet	Tan / Brown 9 x 9 Floor Tile	(J)	Poor	High	None
29B	Office Building 1 st Floor Offices to Left of Entrance Under Carpet	Black Floor Tile Mastic / Felt	(J)	Poor	High	None
30A	Office Building 1 st Floor Offices to Left of Entrance Under Carpet	Tan / Brown 9 x 9 Floor Tile	(J)	Poor	High	None
30B	Office Building 1 st Floor Offices to Left of Entrance Under Carpet	Black Floor Tile Mastic / Felt	(J)	Poor	High	None
31	Office Building 1 st Floor Right Rear Office (In Closet)	Grey TSI Aircell	8 Ln Ft Visible (K)	Poor	High	45 %
32	Office Building 1 st Floor Right Rear Office (In Closet)	Grey TSI Aircell	(K)	Poor	High	45 %
33	Office Building 1 st Floor Right Rear Office (In Closet)	Grey TSI Aircell	(K)	Poor	High	45 %
34A	Office Building 1 st Floor Throughout	White Wall Covering	3,850 Sq Ft (L)	Poor	High	None
34B	Office Building 1 st Floor Throughout	White Skim Coat Ceiling Plaster	(L)	Poor	High	None
34C	Office Building 1 st Floor Throughout	White Base Coat Ceiling Plaster	(L)	Poor	High	Trace
35A	Office Building 1 st Floor Throughout	White Wall Covering	(L)	Poor	High	None
35B	Office Building 1 st Floor Throughout	White Skim Coat Ceiling Plaster	(L)	Poor	High	None
35C	Office Building 1 st Floor Throughout	White Base Coat Ceiling Plaster	(L)	Poor	High	Trace

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
36A	Office Building 1 st Floor Throughout	White Wall Covering	(L)	Poor	High	None
36B	Office Building 1 st Floor Throughout	White Skim Coat Ceiling Plaster	(L)	Poor	High	None
36C	Office Building 1 st Floor Throughout	Grey Coat Ceiling Plaster	(L)	Poor	High	Trace
37A	Office Building 1 st Floor Throughout	White Wall Covering	(L)	Poor	High	None
37B	Office Building 1 st Floor Throughout	White Skim Coat Ceiling Plaster	(L)	Poor	High	None
37C	Office Building 1 st Floor Throughout	White Base Coat Ceiling Plaster	(L)	Poor	High	Trace
38A	Office Building 1 st Floor Throughout	White Wall Covering	(L)	Poor	High	None
38B	Office Building 1 st Floor Throughout	White Skim Coat Ceiling Plaster	(L)	Poor	High	None
38C	Office Building 1 st Floor Throughout	Grey Base Coat Ceiling Plaster	(L)	Poor	High	Trace
39A	Office Building 1 st Floor Throughout	White Skim Coat Wall Plaster	7,100 Sq Ft (M)	Poor	High	None
39B	Office Building 1 st Floor Throughout	Grey Base Coat Wall Plaster	(M)	Poor	High	Trace
40A	Office Building 1 st Floor Throughout	White Skim Coat Wall Plaster	(M)	Poor	High	None
40B	Office Building 1 st Floor Throughout	Grey Base Coat Wall Plaster	(M)	Poor	High	Trace

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
41A	Office Building 1 st Floor Throughout	White Skim Coat Wall Plaster	(M)	Poor	High	None
41B	Office Building 1 st Floor Throughout	Grey Base Coat Wall Plaster	(M)	Poor	High	None
42A	Office Building 1 st Floor Throughout	White Skim Coat Wall Plaster	(M)	Poor	High	None
42B	Office Building 1 st Floor Throughout	Grey Base Coat Wall Plaster	(M)	Poor	High	None
43A	Office Building 1 st Floor Throughout	White Skim Coat Wall Plaster	(M)	Poor	High	None
43B	Office Building 1 st Floor Throughout	Grey Base Coat Wall Plaster	(M)	Poor	High	None
44	Office Building Exterior Windows	Tan Exterior Window Glazing	(E)	Poor	High	None
45	Office Building Exterior Windows	Black / Grey Exterior Window Caulking	(F)	Poor	High	6 %
46	Office Building Basement / Plant Level Men's & Women's Restrooms	White / Yellow 2 x 2 Ceiling Tile	270 Sq Ft (N)	Poor	High	None
47	Office Building Basement / Plant Level Men's & Women's Restrooms	White / Yellow 2 x 2 Ceiling Tile	(N)	Poor	High	None
48	Office Building Basement / Plant Level Men's & Women's Restrooms	White / Yellow 2 x 2 Ceiling Tile	(N)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
49A	Office Building Basement / Plant Level Men's & Women's Restrooms	White 12 x 12 Floor Tile	270 Sq Ft (O)	Poor	High	5 %
49B	Office Building Basement / Plant Level Men's & Women's Restrooms	Black Floor Tile Mastic	(O)	Poor	High	5 %
50A	Office Building Basement / Plant Level Men's & Women's Restrooms	White 12 x 12 Floor Tile	(O)	Poor	High	2 %
50B	Office Building Basement / Plant Level Men's & Women's Restrooms	Black Floor Tile Mastic	(O)	Poor	High	8 %
51A	Office Building Basement / Plant Level Men's & Women's Restrooms	White 12 x 12 Floor Tile	(O)	Poor	High	4 %
51B	Office Building Basement / Plant Level Men's & Women's Restrooms	Black Floor Tile Mastic	(O)	Poor	High	8 %
52A	Office Building Basement / Plant Level Men's & Women's Restrooms	Brown 4" Cove Base	100 Ln Ft (P)	Poor	High	None
52B	Office Building Basement / Plant Level Men's & Women's Restrooms	Brown Cove Base Adhesive	(P)	Poor	High	None
53A	Office Building Basement / Plant Level Men's & Women's Restrooms	Brown 4" Cove Base	(P)	Poor	High	None
53B	Office Building Basement / Plant Level Men's & Women's Restrooms	Brown Cove Base Adhesive	(P)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
54A	Office Building Basement / Plant Level Men's & Women's Restrooms	Brown 4" Cove Base	(P)	Poor	High	None
54B	Office Building Basement / Plant Level Men's & Women's Restrooms	Brown Cove Base Adhesive	(P)	Poor	High	None
55A	Office Building Basement / Plant Level Lab	Black 12 x 12 Floor Tile	650 Sq Ft (Q)	Poor	High	4 %
55B	Office Building Basement / Plant Level Lab	Black Floor Tile Mastic	(Q)	Poor	High	6 %
56A	Office Building Basement / Plant Level Lab	Black 12 x 12 Floor Tile	(Q)	Poor	High	4 %
56B	Office Building Basement / Plant Level Lab	Black Floor Tile Mastic	(Q)	Poor	High	4 %
57A	Office Building Basement / Plant Level Lab	Brown 12 x 12 Floor Tile	(Q)	Poor	High	5 %
57B	Office Building Basement / Plant Level Lab	Black Floor Tile Mastic	(Q)	Poor	High	4 %
58	Office Building Basement / Plant Level Lab	Brown 1 x 1 Ceiling Tile	650 Sq Ft (R)	Poor	High	None
59	Office Building Basement / Plant Level Lab	Brown Glue Dollop	650 Sq Ft (S)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
60	Office Building Basement / Plant Level Lab	Brown 1 x 1 Ceiling Tile	(R)	Poor	High	None
61	Office Building Basement / Plant Level Lab	Brown Glue Dollop	(S)	Poor	High	None
62	Office Building Basement / Plant Level Lab	Brown 1 x 1 Ceiling Tile	(R)	Poor	High	None
63	Office Building Basement / Plant Level Lab	Brown Glue Dollop	(S)	Poor	High	None
64	Office Building Basement / Plant Level Throughout	Tan Ceiling Plaster	3,400 Sq Ft (T)	Poor	High	Trace
65	Office Building Basement / Plant Level Throughout	Off White 6" Aircell TSI	250 Ln Ft (U)	Poor	High	60 %
66	Office Building Basement / Plant Level Throughout	Tan 4" Aircell TSI	240 Ln Ft (V)	Poor	High	70 %
67	Office Building Basement / Plant Level Throughout	Grey 6" TSI Fitting	14 Fittings Visible (W)	Poor	High	15 %
68	Office Building Basement / Plant Level Throughout	Grey 4" TSI Fitting	31 Fittings Visible (X)	Poor	High	15 %
69	Office Building Basement / Plant Level Throughout	Tan Wall Plaster	7,650 Sq Ft (Y)	Poor	High	Trace

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
70	Office Building Basement / Plant Level Throughout	White 6" TSI	(U)	Poor	High	60 %
71	Office Building Basement / Plant Level Throughout	Tan 4" TSI	(V)	Poor	High	60 %
72	Office Building Basement / Plant Level Throughout	Grey 4" TSI Fitting	(W)	Poor	High	10 %
73	Office Building Basement / Plant Level Throughout	Brown Ceiling Plaster	(T)	Poor	High	Trace
74	Office Building Basement / Plant Level Throughout	Brown Wall Plaster	(Y)	Poor	High	Trace
75	Office Building Basement / Plant Level Throughout	Brown Ceiling Plaster	(T)	Poor	High	None
76	Office Building Basement / Plant Level Throughout	Brown Ceiling Plaster	(T)	Poor	High	None
77	Office Building Basement / Plant Level Throughout	Brown Wall Plaster	(Y)	Poor	High	None
78	Office Building Basement / Plant Level Throughout	Brown Wall Plaster	(Y)	Poor	High	None
79	Office Building Basement / Plant Level Small Office	Tan 1 x 1 Ceiling Tile	160 Sq Ft (Z)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
80	Office Building Basement / Plant Level Small Office	Tan 1 x 1 Ceiling Tile	(Z)	Poor	High	None
81	Office Building Basement / Plant Level Small Office	Tan 1 x 1 Ceiling Tile	(Z)	Poor	High	None
82	Office Building Basement / Plant Level Small Office	White 6" Aircell TSI	(U)	Poor	High	60 %
83	Office Building Basement / Plant Level Small Office	White 4" Aircell TSI	(V)	Poor	High	60 %
84	Office Building Basement / Plant Level Small Office	Grey 6" TSI Fitting	(W)	Poor	High	10 %
85	Office Building Basement / Plant Level Small Office	Grey 4" TSI Fitting	(X)	Poor	High	10 %
86	Office Building Basement / Plant Level Small Office	Grey Ceiling Plaster	(T)	Poor	High	None
87	Office Building Basement / Plant Level Small Office	Brown Wall Plaster	(Y)	Poor	High	Trace
88	Office Building Basement / Plant Level On Boiler and Floor	Tan Boiler Mud	150 Sq Ft (AA)	Poor	High	25 %
89	Office Building Basement / Plant Level On Boiler and Floor	Tan Boiler Mud	(AA)	Poor	High	25 %

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
90	Office Building Basement / Plant Level On Boiler and Floor	Beige Boiler Mud	(AA)	Poor	High	20 %
91	Office Building Basement / Plant Level Boiler Room	Brown Ceiling Plaster	150 Sq Ft (BB)	Poor	High	None
92	Office Building Basement / Plant Level Boiler Room	Brown Ceiling Plaster	(BB)	Poor	High	None
93	Office Building Basement / Plant Level Boiler Room	Brown Ceiling Plaster	(BB)	Poor	High	None
94	Office Building Basement / Plant Level Storage Rooms	Brown Ceiling Plaster	300 Sq Ft (CC)	Poor	High	None
95	Office Building Basement / Plant Level Storage Rooms	Brown Ceiling Plaster	(CC)	Poor	High	None
96	Office Building Basement / Plant Level Storage Rooms	Brown Ceiling Plaster	(CC)	Poor	High	None
97	Office Building Throughout	Tan Exterior Window Glazing	(E)	Poor	High	None
98	Office Building Throughout	Tan Exterior Window Caulking	(F)	Poor	High	8 %

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
99A	2 nd Floor Storage Area Over Shop Wall Panels	Grey Transite	720 Sq Ft (DD)	Poor	High	20 %
99B	2 nd Floor Storage Area Over Shop Wall Panels	Tan Insulation Board	(DD)	Poor	High	None
100A	2 nd Floor Storage Area Over Shop Wall Panels	Grey Transite	(DD)	Poor	High	20 %
100B	2 nd Floor Storage Area Over Shop Wall Panels	Tan Insulation Board	(DD)	Poor	High	None
101A	2 nd Floor Storage Area Over Shop Wall Panels	Grey Transite	(DD)	Poor	High	20 %
101B	2 nd Floor Storage Area Over Shop Wall Panels	Tan Insulation Board	(DD)	Poor	High	None
102	2 nd Floor Storage Area Over Shop Wall Panels	Brown Wallboard	8,600 Sq Ft (EE)	Poor	High	None
103	2 nd Floor Storage Area Over Shop Wall Panels	Black / Brown Wallboard	(EE)	Poor	High	None
104	2 nd Floor Storage Area Over Shop Wall Panels	Brown Wallboard	(EE)	Poor	High	None
105	2 nd Floor Storage Area Over Shop Wall Panels	Black / Brown Insulation (Behind Wallboard)	8,600 Sq Ft (FF)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
106	2 nd Floor Storage Area Over Shop Wall Panels	Brown Insulation (Behind Wallboard)	(FF)	Poor	High	None
107	2 nd Floor Storage Area Over Shop Wall Panels	Black / Brown Insulation (Behind Wallboard)	(FF)	Poor	High	None
108	2 nd Floor Storage Area Over Shop – Ceiling	Brown 18 x 18 Ceiling Tile	1,150 Sq Ft (GG)	Poor	High	None
109	2 nd Floor Storage Area Over Shop – Ceiling	Black / Brown Insulation (Behind Ceiling Tile)	1,150 Sq Ft (HH)	Poor	High	None
110	2 nd Floor Storage Area Over Shop – Ceiling	Brown 18 x 18 Ceiling Tile	(GG)	Poor	High	None
111	2 nd Floor Storage Area Over Shop – Ceiling	Black / Brown Insulation (Behind Ceiling Tile)	(HH)	Poor	High	None
112	2 nd Floor Storage Area Over Shop – Ceiling	Brown 18 x 18 Ceiling Tile	(GG)	Poor	High	None
113	2 nd Floor Storage Area Over Shop – Ceiling	Black / Brown Insulation (Behind Ceiling Tile)	(HH)	Poor	High	None
114	Interior Windows Throughout Plant	Black Interior Window Glazing	680 Windows @ 60 – 150 Ln Ft Each (II)	Poor	High	None
115	Plant Area	White 4" Aircell Pipe Insulation	1,820 Ln Ft Visible (JJ)	Poor	High	55 %

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
116	Plant Area	Grey 4" Aircell Pipe Insulation	(JJ)	Poor	High	55 %
117	Plant Area	Grey 6" Aircell Pipe Insulation	470 Ln Ft Visible (KK)	Poor	High	55 %
118	Plant Area	White / Yellow 4" Fiberglass Pipe Insulation	300 Ln Ft Visible (LL)	Poor	High	None
119	Plant Area	White / Yellow 4" Fiberglass Pipe Insulation	(LL)	Poor	High	None
120	Plant Area	White / Yellow 4" Fiberglass Pipe Insulation	(LL)	Poor	High	None
121	Plant Area Rear	Grey / Brown 6" Aircell Pipe Insulation	(KK)	Poor	High	5 %
122	Plant Area Rear	Grey 6" Aircell Pipe Insulation	(KK)	Poor	High	50 %
123	Plant Area Rear	Grey / Brown 6" Aircell Pipe Insulation	(KK)	Poor	High	Trace
124	Plant Area	Grey 4" Aircell Pipe Insulation	(JJ)	Poor	High	55 %
125	Plant Area Dryer Area	White 8" Mag. Pipe Insulation	240 Ln Ft Visible (MM)	Poor	High	11 %

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
126	Plant Area Dryer Area	White 8" Mag. Pipe Insulation	(MM)	Poor	High	11 %
127	Plant Area Dryer Area	White 8" Mag. Pipe Insulation	(MM)	Poor	High	11 %
128	Plant Area Dryer Area	Grey 8" Aircell Pipe Insulation	240 Ln Ft Visible (NN)	Poor	High	70 %
129	Plant Area Dryers	Grey 8" Aircell Pipe Insulation	(NN)	Poor	High	70 %
130	Plant Area Dryers	Grey 8" Aircell Pipe Insulation	(NN)	Poor	High	60 %
131	Plant Area	Grey 4" Aircell Pipe Insulation	(JJ)	Poor	High	60 %
132	2 nd Floor Top of Rear Stairwell	Beige Transitite	200 Sq Ft (NN)	Poor	High	20 %
133	2 nd Floor Top of Rear Stairwell	Beige Transitite	(NN)	Poor	High	20 %
134	2 nd Floor Top of Rear Stairwell	Beige Transitite	(NN)	Poor	High	20 %
135	Plant Area Kiln – 4' Round	Pink Kiln Duct Fiberglass Insulation	280 Ln Ft (OO)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
136	Plant Area Kiln	Pink Kiln Duct Fiberglass Insulation	(OO)	Poor	High	None
137	Plant Area Kiln	Pink Kiln Duct Fiberglass Insulation	(OO)	Poor	High	None
138	Plant Area Rear	Beige / Brown Refractory Debris	2,800 Sq Ft (PP)	Poor	High	None
139	Plant Area Rear	Beige / Brown Refractory Debris	(PP)	Poor	High	None
140	Plant Area Rear	Beige Refractory Debris	(PP)	Poor	High	None
141	Plant Area Rear	Beige Fire Brick Debris	(PP)	Poor	High	None
142	Plant Area Rear	Beige Fire Brick Debris	(PP)	Poor	High	None
143	Plant Area Rear	Beige Fire Brick Debris	(PP)	Poor	High	None
144	Plant Area Kiln	Brown Refractory Debris	7,200 Sq Ft (QQ)	Poor	High	None
145	Plant Area Kiln	Brown Refractory Debris	(QQ)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
146	Plant Area Kiln	Brown Refractory Debris	(QQ)	Poor	High	None
147	Plant Area Kiln	Beige Fire Brick Debris	(QQ)	Poor	High	None
148	Plant Area Kiln	Beige Fire Brick Debris	(QQ)	Poor	High	None
149	Plant Area Kiln	Beige Fire Brick Debris	(QQ)	Poor	High	None
150A	Plant Area Ceiling By Kiln	Grey Transite Type Material	1,000 Sq Ft (RR)	Poor	High	20 %
150B	Plant Area Ceiling By Kiln	Cream Insulation	(RR)	Poor	High	None
151A	Plant Area Ceiling By Kiln	Grey Transite Type Material	(RR)	Poor	High	20 %
151B	Plant Area Ceiling By Kiln	Cream Insulation	(RR)	Poor	High	None
152A	Plant Area Ceiling By Kiln	Grey Transite Type Material	(RR)	Poor	High	20 %
152B	Plant Area Ceiling By Kiln	Cream Insulation	(RR)	Poor	High	None

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Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 10, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
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 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
153A	Plant Area Kiln – 14” Duct	Cream Fiberglass Insulation	120 Ln Ft (SS)	Poor	High	None
153B	Plant Area Kiln – 14” Duct	Grey Insulation	(SS)	Poor	High	70 %
154A	Plant Area Kiln – 14” Duct	Cream Fiberglass Insulation	(SS)	Poor	High	None
154B	Plant Area Kiln – 14” Duct	Grey Insulation	(SS)	Poor	High	70 %
155A	Plant Area Kiln – 14” Duct	Cream Fiberglass Insulation	(SS)	Poor	High	None
155B	Plant Area Kiln – 14” Duct	Grey Insulation	(SS)	Poor	High	70 %
156	Plant Area Kiln – 14” Duct	Grey Aircell Duct Wrap	210 Ln Ft (TT)	Poor	High	70 %
157	Plant Area Kiln – 14” Duct	Grey Aircell Duct Wrap	(TT)	Poor	High	70 %
158	Plant Area Kiln – 14” Duct	Grey Aircell Duct Wrap	(TT)	Poor	High	70 %
159	Plant Area Kiln Top	Grey Corrugated Transite	1,150 Sq Ft (UU)	Poor	High	20 %
160	Plant Area Kiln Top	Grey Corrugated Transite	(UU)	Poor	High	20 %

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
161	Plant Area Kiln Top	Grey Corrugated Transite	(UU)	Poor	High	10 %
162A	Plant Area Kiln Front	Grey Transite Wall Panels	260 Sq Ft (VV)	Poor	High	15 %
162B	Plant Area Kiln Front	Brown Insulation	(VV)	Poor	High	None
163A	Plant Area Kiln Front	Grey Transite Wall Panels	(VV)	Poor	High	15 %
163B	Plant Area Kiln Front	Brown Insulation	(VV)	Poor	High	None
164A	Plant Area Kiln Front	Grey Transite Wall Panels	(VV)	Poor	High	15 %
164B	Plant Area Kiln Front	Brown Insulation	(VV)	Poor	High	None
165	Plant Area Kiln	Tan Fire Brick	16,800 Sq Ft (WW)	Poor	High	None
166	Plant Area Kiln	Tan Fire Brick	(WW)	Poor	High	None
167	Plant Area Kiln	Tan Fire Brick	(WW)	Poor	High	None
168	Plant Area Dryers	Grey Caulking	21 Dryers @ 25' / Dryer (XX)	Poor	High	None
169	Plant Area Dryers	Grey Caulking	(XX)	Poor	High	None
170	Plant Area Dryers	Grey Caulking	(XX)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
171	Plant Area Dryers	Black Dryer Entry Tarp	10 Tarps @ 100 Sq Ft Each (YY)	Poor	High	None
172	Plant Area Dryers	Black Dryer Entry Tarp	(YY)	Poor	High	None
173	Plant Area Dryers	Black Dryer Entry Tarp	(YY)	Poor	High	None
174	Plant Area 2 nd Floor Over Kiln	Tan Ceiling Plaster	1,250 Sq Ft (ZZ)	Poor	High	None
175	Plant Area 2 nd Floor Over Kiln	Tan Ceiling Plaster	(ZZ)	Poor	High	None
176	Plant Area 2 nd Floor Over Kiln	Tan Ceiling Plaster	(ZZ)	Poor	High	None
177A	Plant Area 2 nd Floor Over Kiln	Grey Skim Coat Wall Plaster	2,850 Sq Ft (A2)	Poor	High	None
177B	Plant Area 2 nd Floor Over Kiln	Tan Base Coat Wall Plaster	(A2)	Poor	High	None
178A	Plant Area 2 nd Floor Over Kiln	Grey Skim Coat Wall Plaster	(A2)	Poor	High	None
178B	Plant Area 2 nd Floor Over Kiln	Tan Base Coat Wall Plaster	(A2)	Poor	High	None

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179	Plant Area 2 nd Floor Over Kiln	Tan Wall Plaster	(A2)	Poor	High	None
180	Plant Area Elma Kiln	White Kiln Interior Insulation	1,450 Sq Ft (B2)	Poor	High	None
181	Plant Area Elma Kiln	White Kiln Interior Insulation	(B2)	Poor	High	None
182	Plant Area Elma Kiln	White Kiln Interior Insulation	(B2)	Poor	High	None
183	Plant Area Elma Kiln Debris	Brown Formed Panels	400 Sq Ft (C2)	Poor	High	None
184	Plant Area Elma Kiln Debris	Brown Formed Panels	(C2)	Poor	High	None
185	Plant Area Elma Kiln Debris	Brown Formed Panels	(C2)	Poor	High	None
186	Plant Area Denver Kiln	White Fire Brick	1,800 Sq Ft (D2)	Poor	High	None
187	Plant Area Denver Kiln	White Fire Brick	(D2)	Poor	High	None
188	Plant Area Denver Kiln	White Fire Brick	(D2)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
189	Plant Area Campbell Kiln	Tan Fire Brick	1,800 Sq Ft (E2)	Poor	High	None
190	Plant Area Campbell Kiln	Tan Fire Brick	(E2)	Poor	High	None
191	Plant Area Campbell Kiln	White Fire Brick	(E2)	Poor	High	None
192	Plant Area Rear Office Area	Brown Drywall	400 Sq Ft (F2)	Poor	High	None
193	Plant Area Rear	Brown Drywall	(F2)	Poor	High	None
194	Plant Area Rear	Brown Drywall	(F2)	Poor	High	None
195	Plant Area Rear	White Window Glazing	(II)	Poor	High	None
196	Plant Area Rear	White Window Glazing	(II)	Poor	High	None
197	Plant Area Rear	Grey Transite	200 Sq Ft (G2)	Poor	High	15 %
198	Plant Area Rear	Grey Transite	(G2)	Poor	High	15 %

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
199	Plant Area Rear	Grey Transite	(G2)	Poor	High	15 %
200A	Plant Area Boiler Stack 16" Line	White Insulation	40 Ln Ft Visible (H2)	Poor	High	25 %
200B	Plant Area Boiler Stack 16" Line	White Aircell (Over Insulation)	(H2)	Poor	High	70 %
201A	Plant Area Boiler Stack 16" Line	White Insulation	(H2)	Poor	High	25 %
201B	Plant Area Boiler Stack 16" Line	White Aircell (Over Insulation)	(H2)	Poor	High	65 %
202A	Plant Area Boiler Stack 16" Line	White Insulation	(H2)	Poor	High	25 %
202B	Plant Area Boiler Stack 16" Line	White Aircell (Over Insulation)	(H2)	Poor	High	65 %
203	Basement Rear 4" Line	Brown / Black Aircell Pipe Insulation	105 Ln Ft Visible (I2)	Poor	High	None
204	Basement Rear 4" Line	Brown / Black Aircell Pipe Insulation	(I2)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
205	Basement Rear 4" Line	Black / Brown Aircell Pipe Insulation	(12)	Poor	High	None
206	Basement Rear 6" Line	White Mag. Insulation	80 Ln Ft Visible (J2)	Poor	High	13 %
207	Basement Rear 6" Line	White Mag. Insulation	(J2)	Poor	High	13 %
208	Basement Rear 6" Line	White Mag. Insulation	(J2)	Poor	High	10 %
209	Basement Boiler Room 8" Line	White Mag. Insulation	80 Ln Ft Visible (K2)	Poor	High	30 %
210	Basement Boiler Room 8" Line	White Mag. Insulation	(K2)	Poor	High	30 %
211	Basement Boiler Room 8" Line	White Mag. Insulation	(K2)	Poor	High	30 %
212	Basement Boiler #2	Yellow Boiler Flue Fiberglass Insulation	10 Ln Ft (L2)	Poor	High	None
213	Basement Boiler #2	Yellow Boiler Flue Fiberglass Insulation	(L2)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
214	Basement Boiler #2	Yellow / White Boiler Flue Fiberglass Insulation	(L2)	Poor	High	None
215	Basement Boiler #2	Yellow Boiler Flue Fiberglass Insulation	480 Sq Ft (M2)	Poor	High	None
216	Basement Boiler #2	Yellow Boiler Flue Fiberglass Insulation	(M2)	Poor	High	None
217	Basement Boiler #2	Yellow Boiler Flue Fiberglass Insulation	(M2)	Poor	High	None
218	Basement Boiler #1	Yellow Boiler Flue Fiberglass Insulation	480 Sq Ft (N2)	Poor	High	None
219	Basement Boiler #1	Yellow Boiler Flue Fiberglass Insulation	(N2)	Poor	High	None
220	Basement Boiler #1	Yellow Boiler Flue Fiberglass Insulation	(N2)	Poor	High	None
221	Basement Boiler #1	Grey Boiler End Gasket	50 Ln Ft (O2)	Poor	High	None
222	Basement Boiler #1	Grey Boiler End Gasket	(O2)	Poor	High	None
223	Basement Boiler #1	Grey Boiler End Gasket	(O2)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
224	Basement VAT Room	Grey Aircell Pipe Insulation	200 Ln Ft (P2)	Poor	High	40 %
225	Basement VAT Room	Grey Aircell Pipe Insulation	(P2)	Poor	High	40 %
226	Basement VAT Room	Grey Aircell Pipe Insulation	(P2)	Poor	High	70 %
227	Basement Electric Room	White Mag. Pipe Insulation	60 Ln Ft (Q2)	Poor	High	20 %
228	Basement Electric Room	White Mag. Pipe Insulation	(Q2)	Poor	High	20 %
229	Basement Electric Room	White Mag. Pipe Insulation	(Q2)	Poor	High	20 %
230	Plant Area Dryers Top	Yellow Dryer Fiberglass Roof Insulation	21 Dryers @ 300 Sq Ft Each (R2)	Poor	High	None
231	Plant Area Dryers Top	Yellow Dryer Fiberglass Roof Insulation	(R2)	Poor	High	None
232	Plant Area Dryers Top	Yellow Dryer Fiberglass Roof Insulation	(R2)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
233	South End High Roof	Black Roofing	12,000 Sq Ft (S2)	Poor	High	None
234	South End High Roof	Black Roofing	(S2)	Poor	High	None
235	South End High Roof	Black Roofing	(S2)	Poor	High	None
236	South End High Roof	Black Roof Flashing	450 Ln Ft (T2)	Poor	High	5 %
237	South End High Roof	Black Roof Flashing	(T2)	Poor	High	30 %
238	South End High Roof	Black Roof Flashing	(T2)	Poor	High	30 %
239	South End Lower Roof Section	Black Roofing	5,800 Sq Ft (U2)	Poor	High	None
240	South End Lower Roof Section	Black Roofing	(U2)	Poor	High	None
241	South End Lower Roof Section	Black Roofing	(U2)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
242	Roof Over Walkway 2 nd Floor South End	Black Roofing	10,000 Sq Ft (V2)	Poor	High	Trace
243	Roof Over Walkway 2 nd Floor South End	Black Roofing	(V2)	Poor	High	None
244	Roof Over Walkway 2 nd Floor South End	Black Roofing	(V2)	Poor	High	None
245	Roof Between Walkway & Dryers	Black Roofing	7,150 Sq Ft (W2)	Poor	High	Trace
246	Roof Between Walkway & Dryers	Black Roofing	(W2)	Poor	High	Trace
247	Roof Between Walkway & Dryers	Black Roofing	(W2)	Poor	High	Trace
248	Roof Over Denver & Campbell Kilns	Black Roofing	4,800 Sq Ft (X2)	Poor	High	Trace
249	Roof Over Denver & Campbell Kilns	Black Roofing	(X2)	Poor	High	Trace
250	Roof Over Denver & Campbell Kilns	Black Roofing	(X2)	Poor	High	Trace
251	Small Galbestos Roof East of Campbell Kiln	Black Roofing	1,200 Sq Ft (Y2)	Poor	High	40 %

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
252	Small Galbestos Roof East of Campbell Kiln	Black Roofing	(Y2)	Poor	High	40 %
253	Small Galbestos Roof East of Campbell Kiln	Black Roofing	(Y2)	Poor	High	40 %
254	Larger Section Galbestos Roof	Black Galbestos Roofing	4,350 Sq Ft (Z2)	Poor	High	40 %
255	Larger Section Galbestos Roof	Black Galbestos Roofing	(Z2)	Poor	High	40 %
256	Larger Section Galbestos Roof	Black Galbestos Roofing	(Z2)	Poor	High	40 %
257	Larger Section Galbestos Roof	Black Galbestos Roof Flashing	360 Ln Ft (A3)	Poor	High	5 %
258	Larger Section Galbestos Roof	Black Galbestos Roof Flashing	(A3)	Poor	High	5 %
259	Larger Section Galbestos Roof	Black Galbestos Roof Flashing	(A3)	Poor	High	5 %
260	South East Section Galbestos Roof	Black Galbestos Roofing	4,650 Sq Ft (B3)	Poor	High	40 %
261	South East Section Galbestos Roof	Black Galbestos Roofing	(B3)	Poor	High	25 %

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262	South East Section Galbestos Roof	Black Galbestos Roofing	(B3)	Poor	High	25 %
263	North End of Kiln	Grey Transite Wall & Roof Panels	16,120 Sq Ft (C3)	Poor	High	15 %
264	North End of Kiln	Grey Transite Wall & Roof Panels	(C3)	Poor	High	15 %
265	North End of Kiln	Grey Transite Wall & Roof Panels	(C3)	Poor	High	15 %
266	Roof Over Dryers	Black Roofing	45,600 Sq Ft (D3)	Poor	High	Trace
267	Roof Over Dryers	Black Roofing	(D3)	Poor	High	Trace
268	Roof Over Dryers	Black Roofing	(D3)	Poor	High	Trace
269	Roof Over Dryers	Black Roof Flashing	980 Ln Ft (E3)	Poor	High	2 %
270	Roof Over Dryers	Black Roof Flashing	(E3)	Poor	High	2 %

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
271	Roof Over Dryers	Black Roof Flashing	(E3)	Poor	High	2 %
272	Higher Roof Over Maintenance Shop	Black Roofing	8,400 Sq Ft (F3)	Poor	High	Trace
273	Higher Roof Over Maintenance Shop	Black Roofing	(F3)	Poor	High	Trace
274	Higher Roof Over Maintenance Shop	Black Roofing	(F3)	Poor	High	Trace
275	Roof Between 2 High Sections	Black Roofing	5,800 Sq Ft (G3)	Poor	High	None
276	Roof Between 2 High Sections	Black Roofing	(G3)	Poor	High	None
277	Roof Between 2 High Sections	Black Roofing	(G3)	Poor	High	None
278	Roof	Black Roofing	18,250 Sq Ft (H3)	Poor	High	None
279	Roof	Black Roofing	(H3)	Poor	High	None

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280	Roof	Black Roofing	(H3)	Poor	High	Trace
281	Roof	Black Roof Flashing	870 Ln Ft (I3)	Poor	High	None
282	Roof	Black Roof Flashing	(I3)	Poor	High	None
283	Roof	Black Roof Flashing	(I3)	Poor	High	None
284	Higher Roof	Black Roofing	5,800 Sq Ft (J3)	Poor	High	None
285	Higher Roof	Black Roofing	(J3)	Poor	High	3%
286	Higher Roof	Black Roofing	(J3)	Poor	High	3%
287	Roof	Black Roofing	29,650 Sq Ft (K3)	Poor	High	3%
288	Roof	Black Roofing	(K3)	Poor	High	4%

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289	Roof	Black Roofing	(K3)	Poor	High	3 %
290	Roof	Silver / Black Roofing	(K3)	Poor	High	15 %
291	Roof	Silver / Black Roofing	(K3)	Poor	High	15 %
292	Roof	Silver / Black Roofing	(K3)	Poor	High	15 %
293	Roof	Black Roofing	39,900 Sq Ft (L3)	Poor	High	None
294	Roof	Black Roofing	(L3)	Poor	High	None
295	Roof	Black Roofing	(L3)	Poor	High	None
296	Roof	Black Roofing	(L3)	Poor	High	None
297	Roof	Black Roofing	(L3)	Poor	High	None
298	Roof	Black Roofing	(L3)	Poor	High	None

Please be advised that the letter / symbol under the approximate quantities column denotes approximate duplicate quantities through-out this survey for that particular material.

Mid Atlantic Environmental Consultants, Inc.
 5320 N. Pioneer Road
 Gibsonia, PA 15044
 (724) 444-3460 Phone (724) 444-3463 Fax
 Email: midatlantic@zoominternet.net

Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 12, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
299	Roof	Black Roofing	(L3)	Poor	High	None
300	Roof	Black Roofing	(L3)	Poor	High	None
301	Roof	Black Roofing	(L3)	Poor	High	None
302	Roof	Black Roofing	(L3)	Poor	High	None
303	Roof Under Metal	Black Roofing	6,500 Sq Ft (M3)	Poor	High	None
304	Roof Under Metal	Black Roofing	(M3)	Poor	High	None
305	Roof Under Metal	Black Roofing	(M3)	Poor	High	None
306	Roof Under Metal	Black Roofing	6,500 Sq Ft (N3)	Poor	High	5 %
307	Roof Under Metal	Black Roofing	(N3)	Poor	High	5 %
308	Roof Under Metal	Black Roofing	(N3)	Poor	High	5 %

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 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
309	Roof Under Metal	Black Roofing	6,500 Sq Ft (O3)	Poor	High	10 %
310	Roof Under Metal	Black Roofing	(O3)	Poor	High	10 %
311	Roof Under Metal	Black Roofing	(O3)	Poor	High	30 %
312	Roof Under Metal	Black Roofing	5,200 Sq Ft (P3)	Poor	High	30 %
313	Roof Under Metal	Black / Brown Roofing	(P3)	Poor	High	30 %
314	Roof Under Metal	Black / Brown Roofing	(P3)	Poor	High	30 %
315	Roof Under Metal	Black / Brown Roof Flashing	1,200 Ln Ft (Q3)	Poor	High	30 %
316	Roof Under Metal	Black / Brown Roof Flashing	(Q3)	Poor	High	30 %
317	Roof Under Metal	Black / Brown Roof Flashing	(Q3)	Poor	High	20 %
318	Roof Under Metal	Black / Brown Roof Flashing	(Q3)	Poor	High	None
319	Roof Under Metal	Black / Brown Roof Flashing	(Q3)	Poor	High	20 %
320	Roof Under Metal	Black / Brown Roof Flashing	(Q3)	Poor	High	20 %

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 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
321	Low Roof North End Section	Black / Brown Roofing	9,100 Sq Ft (R3)	Poor	High	10 %
322	Low Roof North End Section	Black / Brown Roofing	(R3)	Poor	High	10 %
323	Low Roof North End Section	Black / Brown Roofing	(R3)	Poor	High	10 %
324	Low Roof North End Section	Black / Brown Roof Flashing	640 Ln Ft (S3)	Poor	High	5 %
325	Low Roof North End Section	Black / Brown Roof Flashing	(S3)	Poor	High	5 %
326	High Roof North End Section	Black / Brown Roofing	(R3)	Poor	High	None
327	High Roof North End Section	Black / Brown Roofing	(R3)	Poor	High	None
328	High Roof North End Section	Black Roofing	(R3)	Poor	High	None
329	Low Roof North End Section	Black Roofing	(R3)	Poor	High	None
330	Low Roof North End Section	Black Roofing	(R3)	Poor	High	None

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Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 13, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
331	Low Roof North End Section	Black Roofing	(R3)	Poor	High	None
332	Low Roof North End Section	Black Roof Flashing	(S3)	Poor	High	None
333	Low Roof North End Section	Black Roof Flashing	(S3)	Poor	High	None
334	South End Roof	Black Roofing	4,100 Sq Ft (T3)	Poor	High	None
335	South End Roof	Black Roofing	(T3)	Poor	High	None
336	South End Roof	Black Roofing	(T3)	Poor	High	None
337	South End Roof	Black Roof Flashing	140 Ln Ft (U3)	Poor	High	None
338	South End Roof	Black Roof Flashing	(U3)	Poor	High	None
339	South End Pole Building	Yellow / Silver Wall Insulation	1,920 Sq Ft (V3)	Poor	High	None
340	South End Pole Building	Yellow / Silver Wall Insulation	(V3)	Poor	High	None
341	South End Pole Building	Tan / Brown / Silver Wall Insulation	(V3)	Poor	High	None

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Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 13, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
342	South End Pole Building Exterior	Grey / Black Galbestos Coating	1,920 Sq Ft (W3)	Poor	High	65 %
343	South End Pole Building Exterior	Grey / Black Galbestos Coating	(W3)	Poor	High	65 %
344	South End Pole Building Exterior	Grey / Black Galbestos Coating	(W3)	Poor	High	65 %
345	South End Roof	Black Roofing	5,600 Sq Ft (X3)	Poor	High	5 %
346	South End Roof	Black Roofing	(X3)	Poor	High	5 %
347	South End Roof	Black Roofing	(X3)	Poor	High	5 %
348	South End Roof	Black Roof Flashing	150 Ln Ft (Y3)	Poor	High	8 %
349	South End Roof	Black Roof Flashing	(Y3)	Poor	High	8 %
350	South End Building	Grey Interior Window Glazing	(II)	Poor	High	None
351	Larger Out Building Interior Wall	Grey / White Transite	750 Sq Ft (Z3)	Poor	High	40 %
352	Larger Out Building Interior Ceiling	Grey / White Transite	(Z3)	Poor	High	40 %
353	Larger Out Building Interior Ceiling	Grey / White Transite	(Z3)	Poor	High	40 %

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Client: Civil & Environmental Consultants, Inc. Date: October 13, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
354	Larger Out Building Interior Window Glazing	Grey / Black Window Glazing	8 Windows @ 80 Ln Ft Each (A4)	Poor	High	None
355	Larger Out Building Interior Window Glazing	Grey / Black Window Glazing	(A4)	Poor	High	None
356	Larger Out Building Interior Window Glazing	Grey / Beige Window Glazing	(A4)	Poor	High	4 %
357	Larger Out Building Interior Duct	Grey / White Duct Tape	13 Ln Ft (B4)	Poor	High	60 %
358	Larger Out Building Interior Duct	Grey / White Duct Tape	(B4)	Poor	High	55 %
359	Larger Out Building Interior Duct	Grey / White Duct Tape	(B4)	Poor	High	60 %
360	Larger Out Building Exterior Over Doorway	Black / Grey Tar Paper	100 Sq Ft (C4)	Poor	High	None
361	Larger Out Building Exterior Over Doorway	Black / Grey Tar Paper	(C4)	Poor	High	None
362	Larger Out Building Exterior Over Doorway	Black / Grey Tar Paper	(C4)	Poor	High	None
363	Larger Out Building Exterior Roof	Grey / White Transite	3,480 Sq Ft (D4)	Poor	High	40 %
364	Larger Out Building Exterior Roof	Grey / White Transite	(D4)	Poor	High	40 %

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Building Inspection Results

Client: Civil & Environmental Consultants, Inc.
 Project: Newell Porcelain Plant – Fifth & Harrison Streets
 Newell, West Virginia
 Job Number: CEC-17-20

Date: October 13, 2017
 Inspector: Edgar King
 EPA / West Virginia Lic. No: AI009156

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
365	Larger Out Building Exterior Roof	Grey / White Transite	(D4)	Poor	High	40 %
366	Gas Out Building	Grey Interior Window Glazing	4 Windows @ 12 Ln Ft Each (E4)	Poor	High	4 %
367	Gas Out Building	Grey Interior Window Glazing	(E4)	Poor	High	4 %
368	Gas Out Building	Grey Interior Window Glazing	(E4)	Poor	High	4 %
369	Gas Out Building Exterior Gas Line	Beige / Black Wrap Tape	10 Ln Ft (F4)	Poor	High	None
370	Gas Out Building Exterior Gas Line	Beige / Black Wrap Tape	(F4)	Poor	High	None
371	Gas Out Building Exterior Gas Line	Beige / Black Wrap Tape	(F4)	Poor	High	None
372A	Gas Out Building Exterior Roof	Black / Grey Shingle	250 Sq Ft (G4)	Poor	High	None
372B	Gas Out Building Exterior Roof	Black / Green Shingle	(G4)	Poor	High	None
373A	Gas Out Building Exterior Roof	Black / Grey Shingle	(G4)	Poor	High	None
373B	Gas Out Building Exterior Roof	Black / Green Shingle	(G4)	Poor	High	None

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Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 13, 2017
 Project: Newell Porcelain Plant – Fifth & Harrison Streets Inspector: Edgar King
 Newell, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-20

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
374A	Gas Out Building Exterior Roof	Black / Grey Shingle	(G4)	Poor	High	None
374B	Gas Out Building Exterior Roof	Black / Green Shingle	(G4)	Poor	High	None
375	Shack Next to Gas Building Metal Windows	Pink / Grey Interior Window Glazing	2 Windows @ 96 Ln Ft Each (H4)	Poor	High	None
376	Shack Next to Gas Building Metal Windows	Pink / Grey Interior Window Glazing	(H4)	Poor	High	None
377	Shack Next to Gas Building Metal Windows	Pink / Grey Interior Window Glazing	(H4)	Poor	High	None
378	Shack Next to Gas Building	Black / Brown Galbestos Roofing	144 Sq Ft (I4)	Poor	High	60 %
379	Shack Next to Gas Building	Black / Brown Galbestos Roofing	(I4)	Poor	High	60 %
380	Shack Next to Gas Building	Black / Brown Galbestos Roofing	(I4)	Poor	High	60 %

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ASBESTOS INSPECTION QUESTIONNAIRE

DATE of inspection: Oct 6-13-2017 INSPECTOR: Edgar King

CLIENT: CEC

LOCATION: Former Newell Porcelain Plant

ADDRESS: 500 Harrison St Newell WV

COUNTY: Hancock

Please circle one—

Purpose of survey: Demolition Renovation Real estate transaction Other
If other, explain _____

This survey is Complete Limited
If limited, explain There were 3 Basement Areas, 2 were Accessed the 3rd was full of collapsed Debris.

The building is currently Occupied Unoccupied

The general condition of the building is Good Fair Poor

Number of buildings included in the survey 3

Number of floors in the building 2

Main exterior building component (i.e. yellow brick, concrete block, etc...) Block, Galbestos

Please answer yes or no.

Was the basement included? yes 2 Areas Accessed 3rd Area Filled with Debris. Was the attic included? NA

Was the roof included? yes Is a map included? yes

Were any areas inaccessible? yes If yes, explain Center Basement Area + some 2nd Fl Areas of Plant

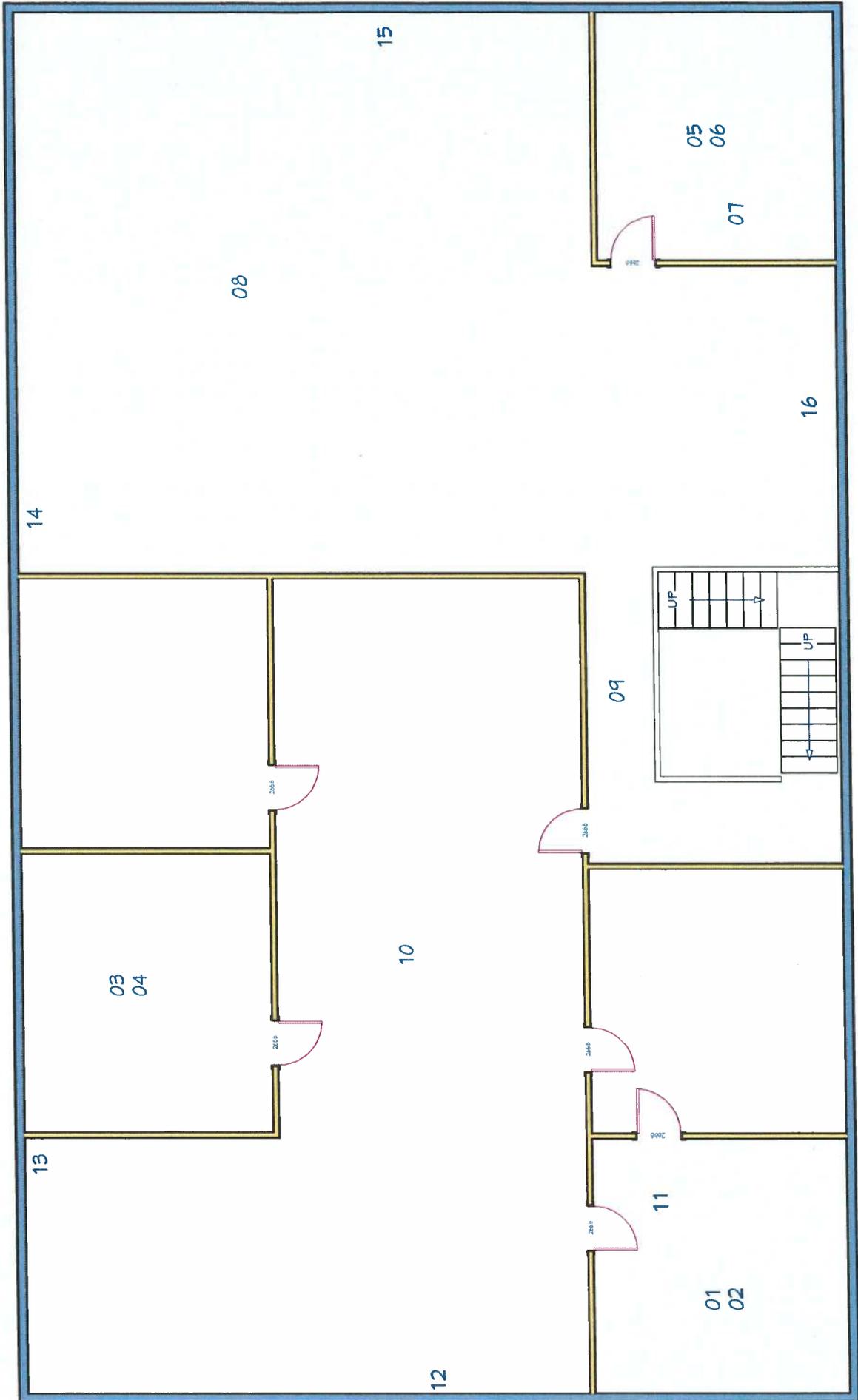
Were you accompanied by anyone yes If yes, who Dennis Gillespie + Mike Pirro

Were any commonly found materials, not present? (Floor tile, plaster, window caulking, etc...)? no If yes, list and explain _____

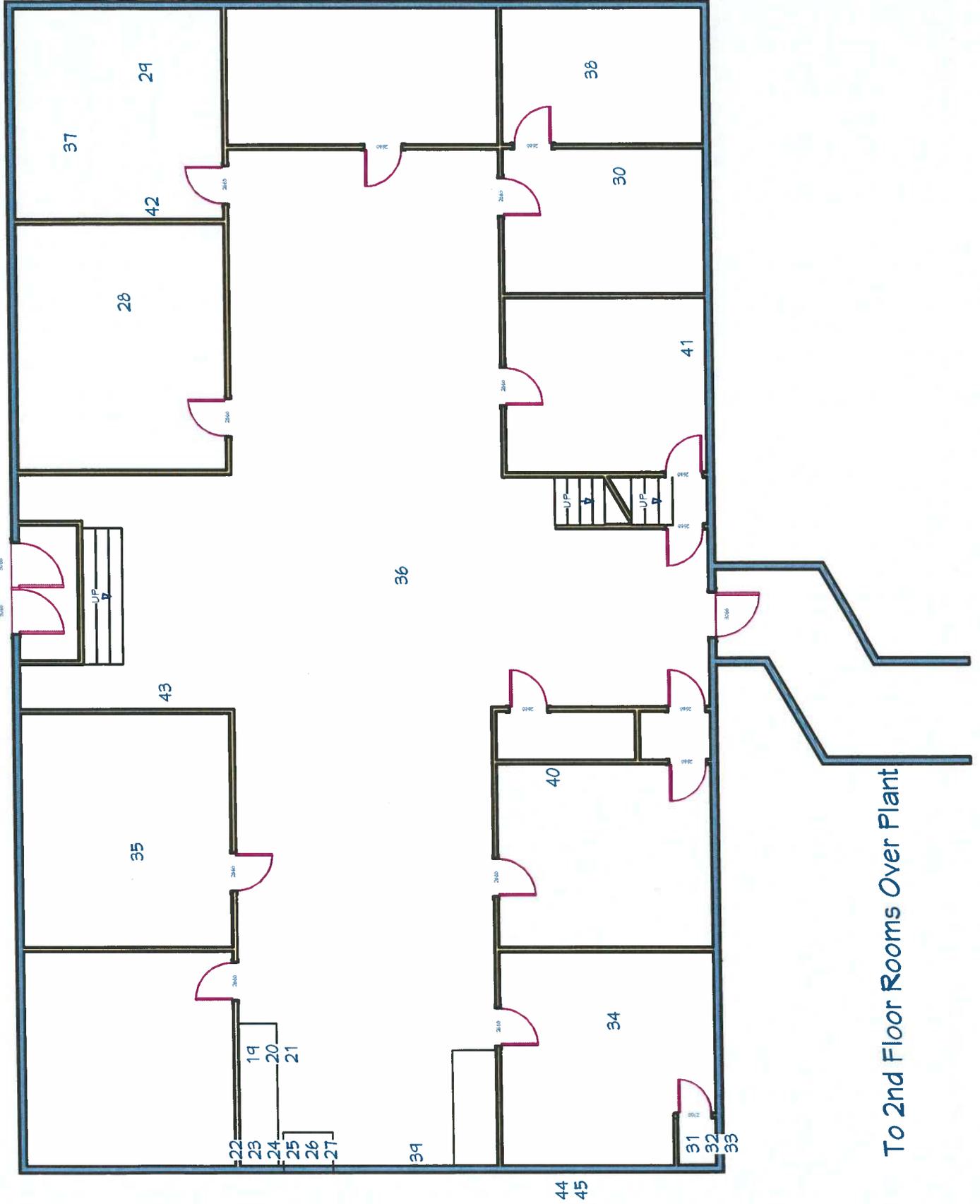
Any other important / relevant observations:

Appendix B – Sample Location Diagrams

Newell Porcelain Office 2nd Floor

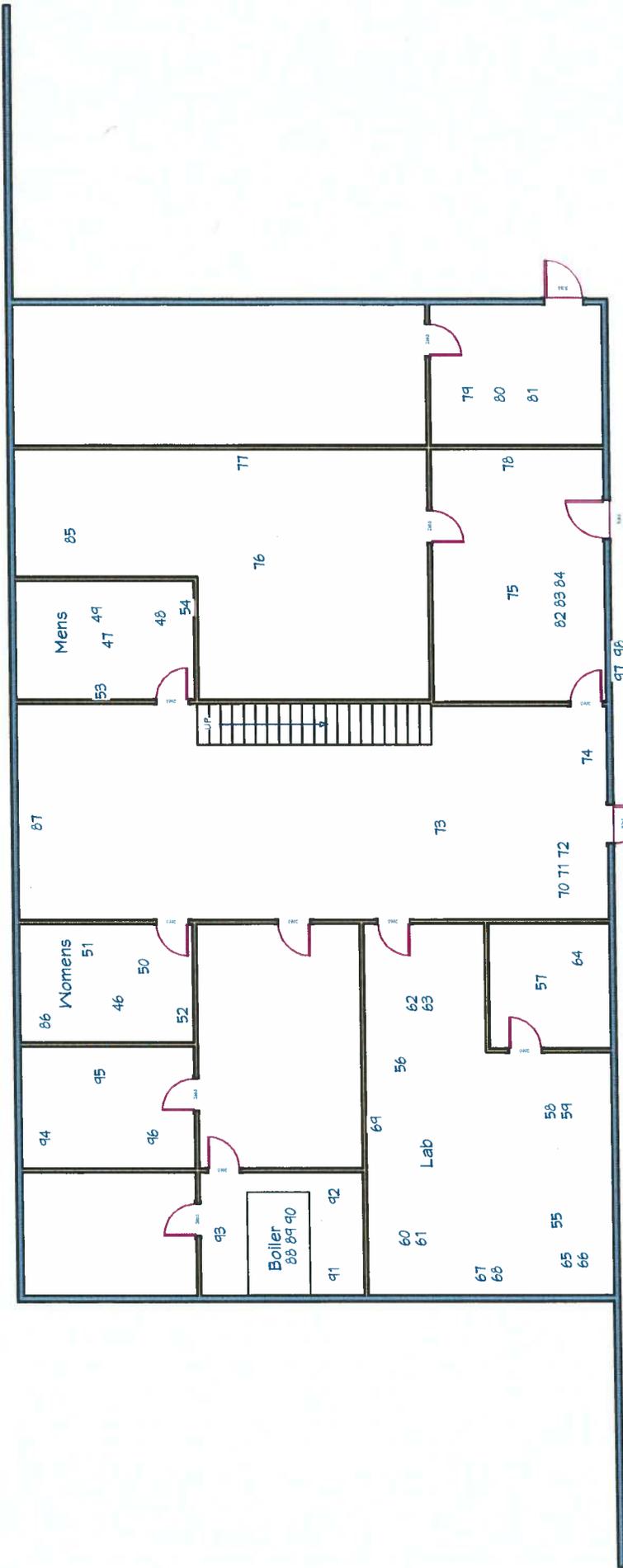


Newell Porcelain Office 1st Floor



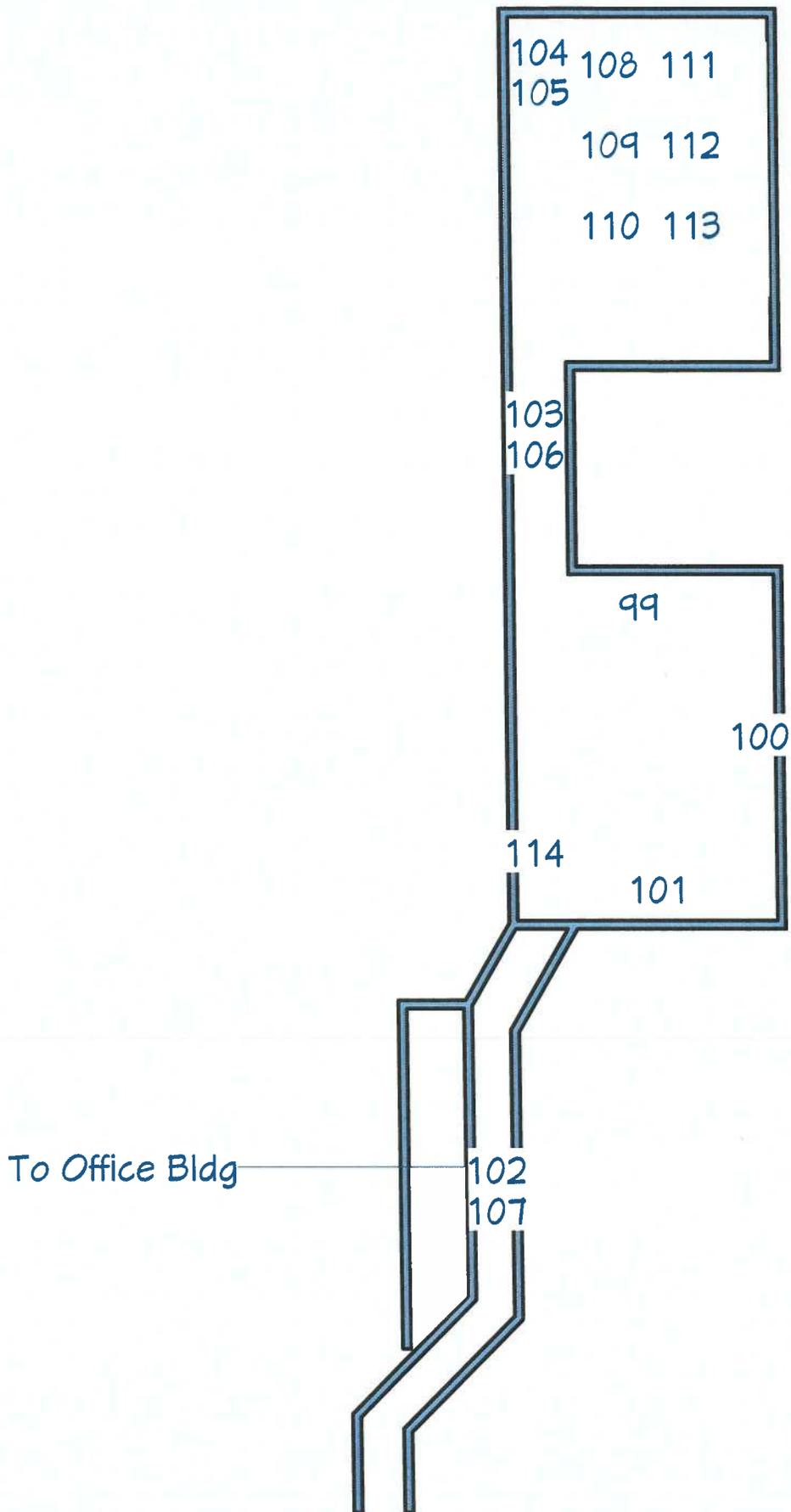
To 2nd Floor Rooms Over Plant

Newell Porcelain Office Basement

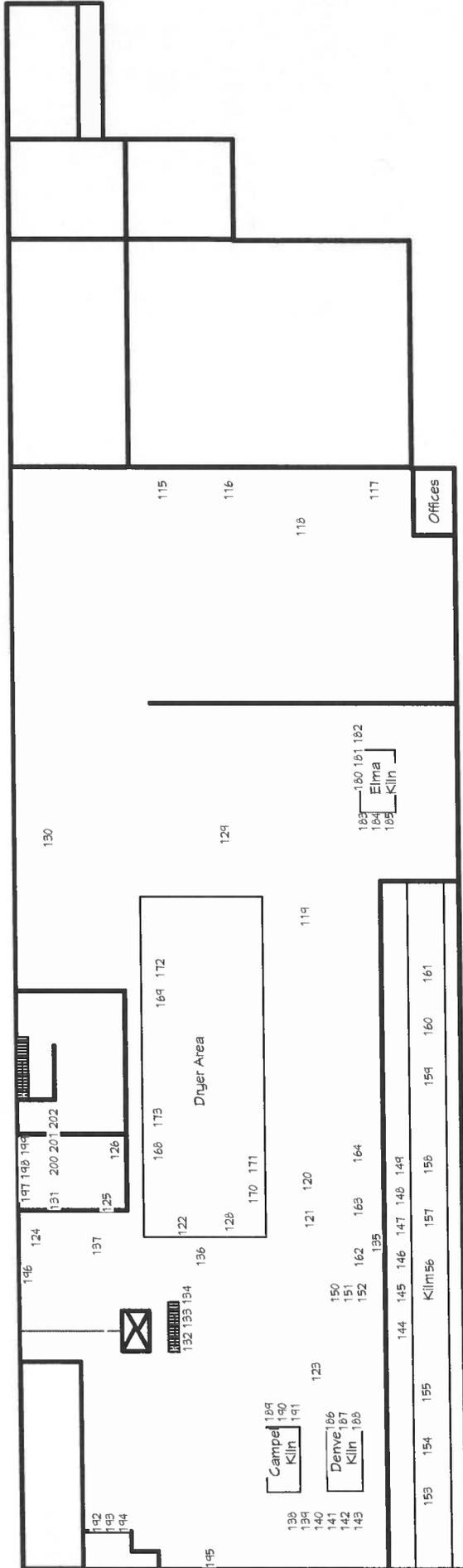


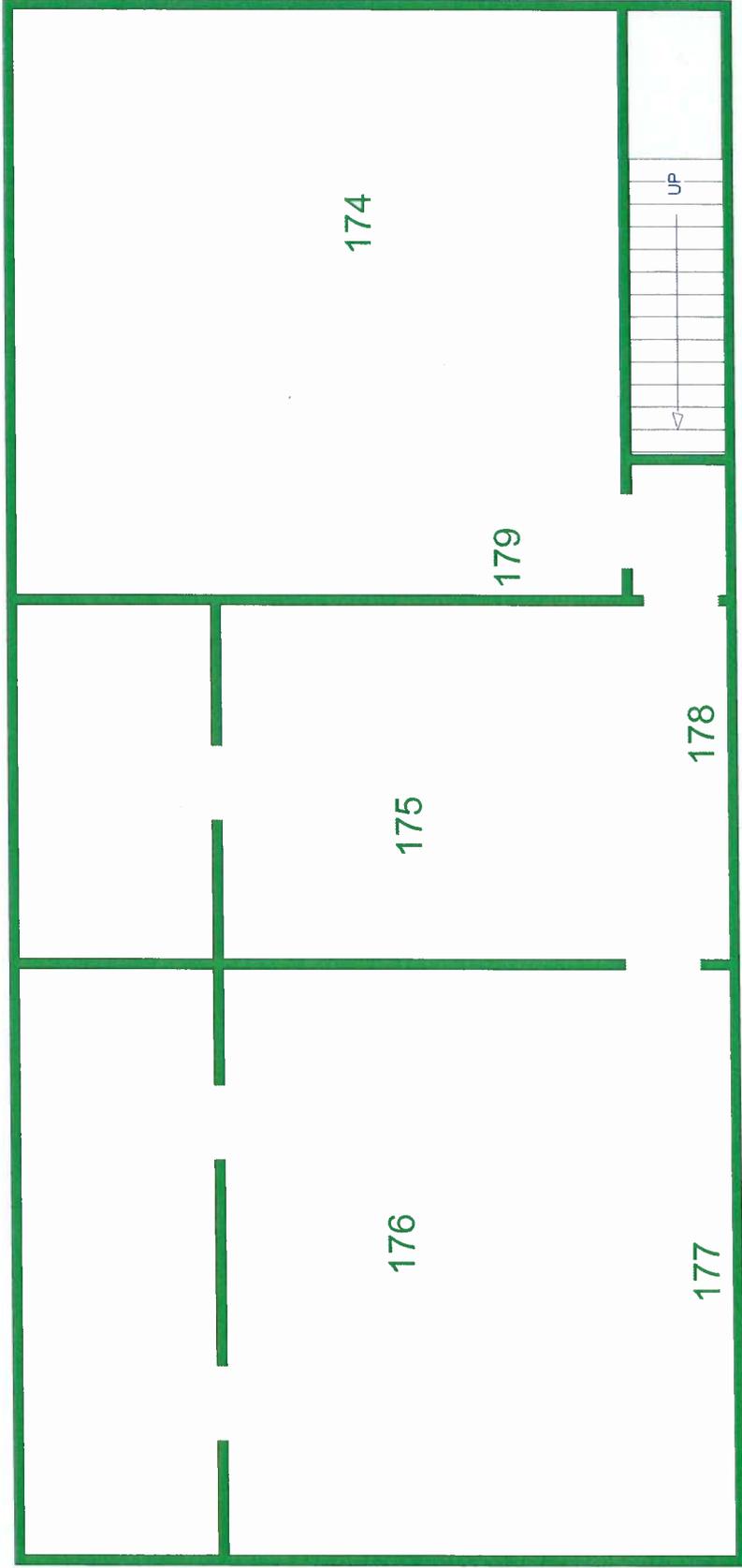
Plant

2nd Floor over North End



Newell Porcelain Plant

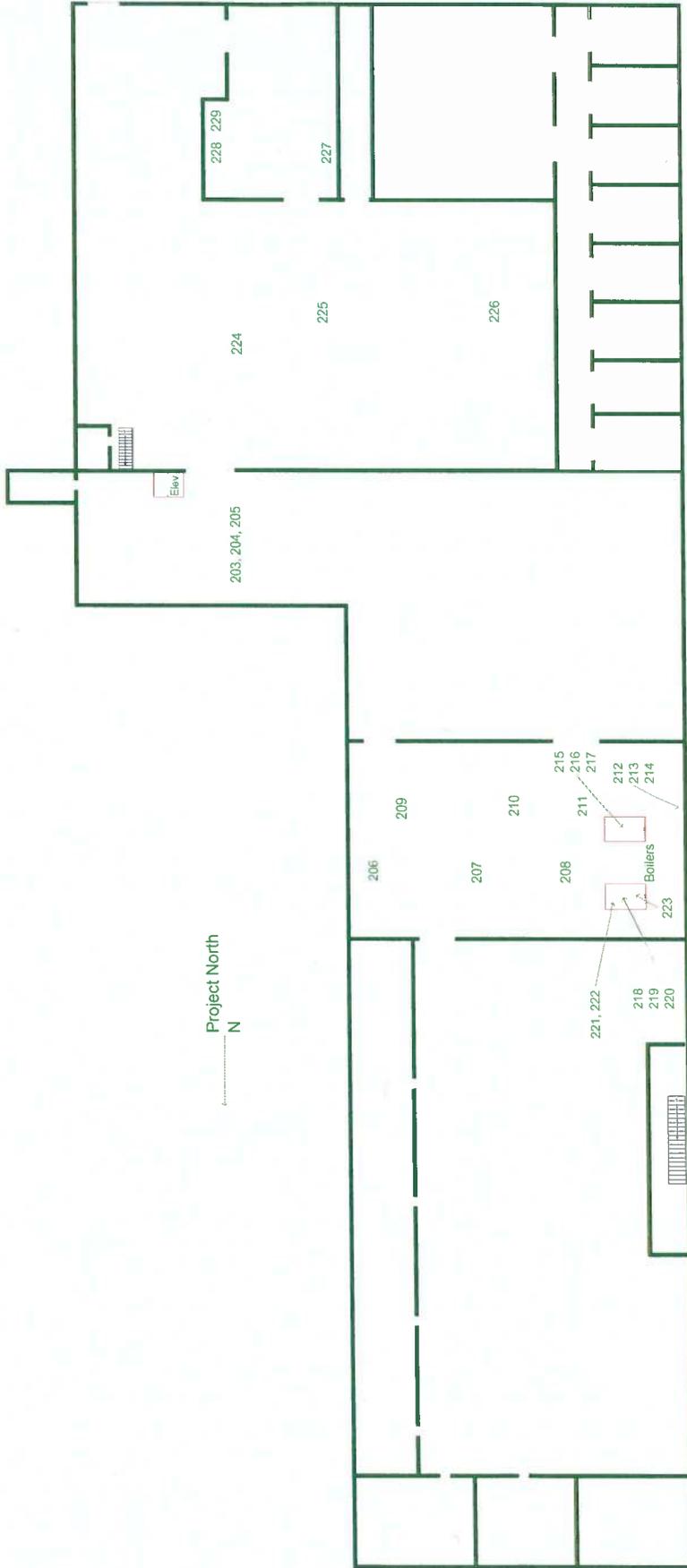




Project North



Second Floor Over Kiln Newell Porcelain Plant

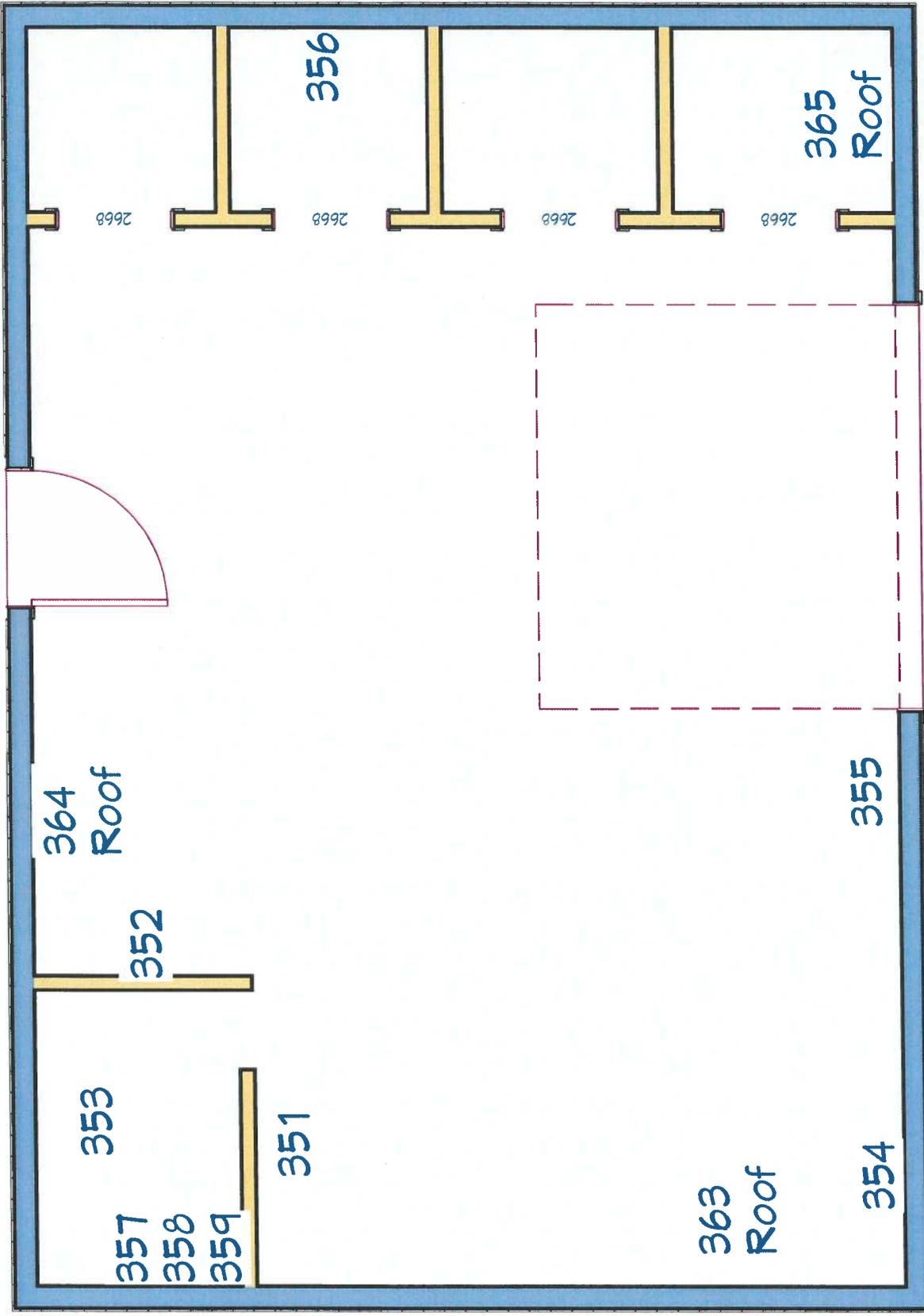


Project North
 N

South Basement

Newell Porcelain Plant

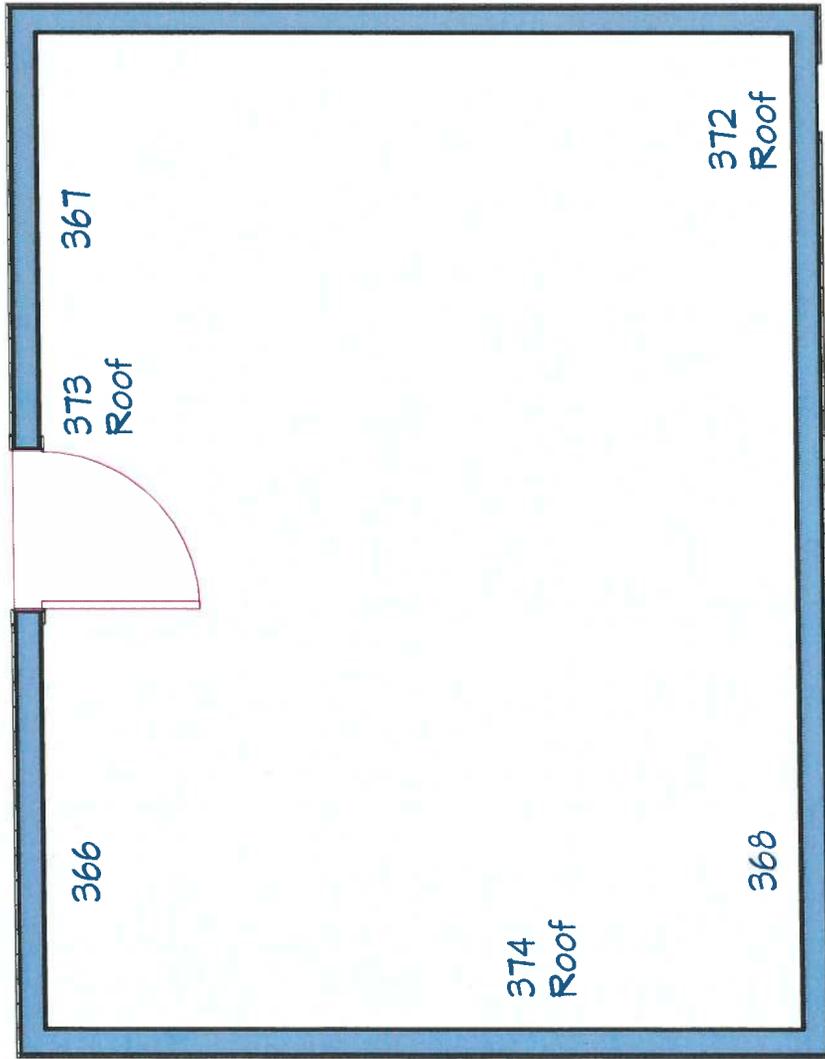
360 361 362



91080

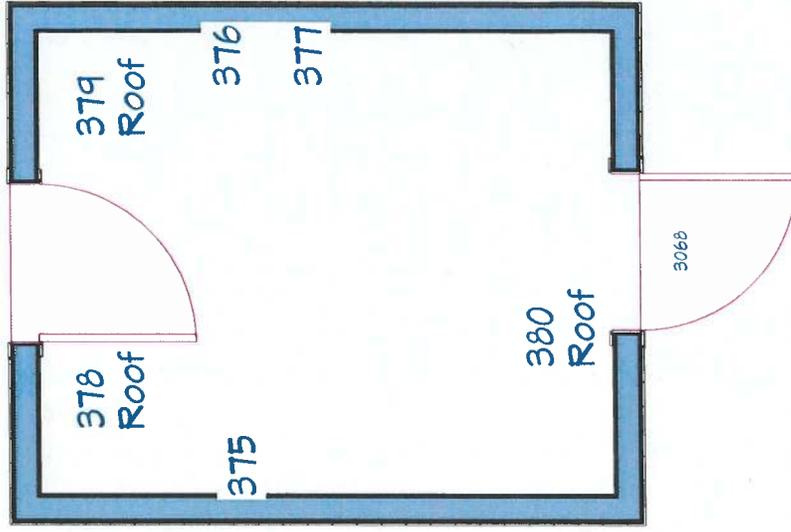
Newell Porcelain Plant Large Building North End

Gas Bldg



369
370
371

Small Bldg



3060

Newell Porcelain Plant Small North End Buildings

Newell Porcelain Plant Roofs



Appendix C – Laboratory Analysis Results



Please Reply To:

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

FACSIMILE TELECOPY TRANSMISSION

To: Tim Daniels
Mid Atlantic Environmental Consultants, Inc
Fax #:
Email: MIDATLANTIC@ZOOMINTERNET.NET

From: J. Samuel Baird
AmeriSci Job #: 117101460
Subject: PLM 5 day Results
Client Project: CEC-17-20; CEC; Newell Porcelain Plant

Date: Wednesday, October 18, 2017
Time: 15:28:01
Comments:

Number of Pages: 47
(including cover sheet)



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MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Mid Atlantic Environmental Consultants, **Date Received** 10/12/17 **AmeriSci Job #** 117101460
Attn: Tim Daniels **Date Examined** 10/18/17 **P.O. #**
5320 North Pioneer Road **Page** 1 **of** 35
Gibsonia, PA 15044 **RE: CEC-17-20; CEC; Newell Porcelain Plant**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
01 Location: Office Bldg 2nd Fl Offices	117101460-01	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White/Gray, Heterogeneous, Fibrous, Ceiling Tile Asbestos Types: Other Material: Cellulose 45 %, Fibrous glass 25 %, Non-fibrous 15 %, Perlite 15 %			
02 Location: Office Bldg 2nd Fl Offices	117101460-02	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
03 Location: Office Bldg 2nd Fl Offices	117101460-03	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White/Gray, Heterogeneous, Non-Fibrous, Ceiling Tile Asbestos Types: Other Material: Cellulose 45 %, Fibrous glass 25 %, Non-fibrous 15 %, Perlite 15 %			
04 Location: Office Bldg 2nd Fl Offices	117101460-04	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
05 Location: Office Bldg 2nd Fl Offices	117101460-05	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White/Gray, Heterogeneous, Non-Fibrous, Ceiling Tile Asbestos Types: Other Material: Cellulose 45 %, Fibrous glass 25 %, Non-fibrous 15 %, Perlite 15 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
06 Location: Office Bldg 2nd Fl Offices	117101460-06	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
07 Location: Office Bldg 2nd Fl Thru-Out	117101460-07.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
07 Location: Office Bldg 2nd Fl Thru-Out	117101460-07.2	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair 4 %, Non-fibrous 96 %			
08 Location: Office Bldg 2nd Fl Thru-Out	117101460-08.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
08 Location: Office Bldg 2nd Fl Thru-Out	117101460-08.2	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair 4 %, Non-fibrous 96 %			
09 Location: Office Bldg 2nd Fl Thru-Out	117101460-09.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09 Location: Office Bldg 2nd FI Thru-Out	117101460-09.2	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair 4 %, Non-fibrous 96 %			
10 Location: Office Bldg 2nd FI Thru-Out	117101460-10	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %			
11 Location: Office Bldg 2nd FI Thru-Out	117101460-11.1	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
11 Location: Office Bldg 2nd FI Thru-Out	117101460-11.2	Yes	Trace (<1 %) (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 2 %, Non-fibrous 98 %			
12 Location: Office Bldg 2nd FI Perimeter Walls	117101460-12.1	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
12 Location: Office Bldg 2nd FI Perimeter Walls	117101460-12.2	Yes	Trace (<1 %) (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 1 %, Non-fibrous 99 %			

See Reporting notes on last page

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
13 Location: Office Bldg 2nd FI Perimeter Walls	117101460-13.1	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
13 Location: Office Bldg 2nd FI Perimeter Walls	117101460-13.2	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair 1 %, Non-fibrous 99 %			
14 Location: Office Bldg 2nd FI Perimeter Walls	117101460-14.1	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
14 Location: Office Bldg 2nd FI Perimeter Walls	117101460-14.2	Yes	Trace (<1 %) (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 1 %, Non-fibrous 99 %			
15 Location: Office Bldg 2nd FI Perimeter Walls	117101460-15.1	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
15 Location: Office Bldg 2nd FI Perimeter Walls	117101460-15.2	Yes	Trace (<1 %) (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 1 %, Non-fibrous 99 %			

See Reporting notes on last page

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
16	117101460-16.1 Location: Office Bldg 2nd FI Perimeter Walls	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
16	117101460-16.2 Location: Office Bldg 2nd FI Perimeter Walls	Yes	Trace (<1 %) (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Base Coat (Plaster)			
Asbestos Types: Chrysotile <1. %			
Other Material: Animal hair 1 %, Non-fibrous 99 %			
17	117101460-17 Location: Office Bldg Exterior Windows	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
18	117101460-18 Location: Office Bldg Exterior Windows	Yes	4 % (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 4.0 %			
Other Material: Non-fibrous 96 %			
19	117101460-19 Location: Office Bldg 1st FI Under Bench Behind Radiator Also On Ground	Yes	20 % (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80 %			
20	117101460-20 Location: Office Bldg 1st FI Under Bench Behind Radiator Also On Ground	Yes	30 % (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 15.0 %, Amosite 15.0 %			
Other Material: Non-fibrous 70 %			

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PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
21	117101460-21	Yes	30 %
Location: Office Bldg 1st Fl Under Bench Behind Radiator Also On Ground			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 15.0 %, Amosite 15.0 % Other Material: Non-fibrous 70 %			
22	117101460-22	Yes	45 %
Location: Office Bldg 1st Fl Under Bench Behind Radiator Also On Ground			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Black/Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 45.0 % Other Material: Cellulose 55 %			
23	117101460-23	Yes	45 %
Location: Office Bldg 1st Fl Under Bench Behind Radiator Also On Ground			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Black/Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 45.0 % Other Material: Cellulose 55 %			
24	117101460-24	Yes	45 %
Location: Office Bldg 1st Fl Under Bench Behind Radiator Also On Ground			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 45.0 % Other Material: Cellulose 55 %			
25	117101460-25	Yes	25 %
Location: Office Bldg 1st Fl Under Bench Behind Radiator Also On Ground			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 15.0 %, Amosite 10.0 % Other Material: Non-fibrous 75 %			
26	117101460-26	Yes	25 %
Location: Office Bldg 1st Fl Under Bench Behind Radiator Also On Ground			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 25.0 % Other Material: Non-fibrous 75 %			

PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
27	117101460-27	Yes	35 %
Location: Office Bldg 1st Fl Under Bench Behind Radiator Also On Ground			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 %, Amosite 15.0 % Other Material: Non-fibrous 65 %			
28	117101460-28L1	No	NAD
Location: Office Bldg 1st Fl Offices To Left Of Entrance Under Carpet			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Tan/Brown, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Cellulose 60 %, Non-fibrous 40 %			
28	117101460-28L2	No	NAD
Location: Office Bldg 1st Fl Offices To Left Of Entrance Under Carpet			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic/Felt Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %			
29	117101460-29L1	No	NAD
Location: Office Bldg 1st Fl Offices To Left Of Entrance Under Carpet			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Tan/Brown, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Cellulose 40 %, Non-fibrous 60 %			
29	117101460-29L2	No	NAD
Location: Office Bldg 1st Fl Offices To Left Of Entrance Under Carpet			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic/Felt Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %			
30	117101460-30L1	No	NAD
Location: Office Bldg 1st Fl Offices To Left Of Entrance Under Carpet			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Tan/Brown, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Cellulose 40 %, Non-fibrous 60 %			

PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30	117101460-30L2	No	NAD
Location: Office Bldg 1st Fl Offices To Left Of Entrance Under Carpet			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic/Felt Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %			
31	117101460-31	Yes	45 %
Location: Office Bldg 1st Fl Right Rear Office (In Closet)			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 45.0 % Other Material: Cellulose 55 %			
32	117101460-32	Yes	45 %
Location: Office Bldg 1st Fl Right Rear Office (In Closet)			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 45.0 % Other Material: Cellulose 55 %			
33	117101460-33	Yes	45 %
Location: Office Bldg 1st Fl Right Rear Office (In Closet)			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 45.0 % Other Material: Cellulose 55 %			
34	117101460-34.1	No	NAD
Location: Office Bldg 1st Fl Thru-Out			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Wall Covering Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
34	117101460-34.2	No	NAD
Location: Office Bldg 1st Fl Thru-Out			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
34 Location: Office Bldg 1st Fl Thru-Out	117101460-34.3	Yes	Trace (<1 %) (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 4 %, Non-fibrous 96 %			
35 Location: Office Bldg 1st Fl Thru-Out	117101460-35.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Wall Covering Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
35 Location: Office Bldg 1st Fl Thru-Out	117101460-35.2	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
35 Location: Office Bldg 1st Fl Thru-Out	117101460-35.3	Yes	Trace (<1 %) (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 4 %, Non-fibrous 96 %			
36 Location: Office Bldg 1st Fl Thru-Out	117101460-36.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Wall Covering Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
36 Location: Office Bldg 1st Fl Thru-Out	117101460-36.2	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
36 Location: Office Bldg 1st Fl Thru-Out	117101460-36.3	Yes	Trace (<1 %) (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)			
Asbestos Types: Chrysotile <1. %			
Other Material: Animal hair 4 %, Non-fibrous 96 %			
37 Location: Office Bldg 1st Fl Thru-Out	117101460-37.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Wall Covering			
Asbestos Types:			
Other Material: Cellulose 90 %, Non-fibrous 10 %			
37 Location: Office Bldg 1st Fl Thru-Out	117101460-37.2	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
37 Location: Office Bldg 1st Fl Thru-Out	117101460-37.3	Yes	Trace (<1 %) (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)			
Asbestos Types: Chrysotile <1. %			
Other Material: Animal hair 4 %, Non-fibrous 96 %			
38 Location: Office Bldg 1st Fl Thru-Out	117101460-38.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Wall Covering			
Asbestos Types:			
Other Material: Cellulose 90 %, Non-fibrous 10 %			
38 Location: Office Bldg 1st Fl Thru-Out	117101460-38.2	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
38 Location: Office Bldg 1st Fl Thru-Out	117101460-38.3	Yes	Trace (<1 %) (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 4 %, Non-fibrous 96 %			
39 Location: Office Bldg 1st Fl Thru-Out	117101460-39.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
39 Location: Office Bldg 1st Fl Thru-Out	117101460-39.2	Yes	Trace (<1 %) (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 4 %, Non-fibrous 96 %			
40 Location: Office Bldg 1st Fl Thru-Out	117101460-40.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
40 Location: Office Bldg 1st Fl Thru-Out	117101460-40.2	Yes	Trace (<1 %) (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) Asbestos Types: Chrysotile <1. % Other Material: Animal hair 4 %, Non-fibrous 96 %			
41 Location: Office Bldg 1st Fl Thru-Out	117101460-41.1	No	NAD (by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
41	117101460-41.2	No	NAD
Location: Office Bldg 1st Fl Thru-Out			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)			
Asbestos Types:			
Other Material: Animal hair 3 %, Non-fibrous 97 %			
42	117101460-42.1	No	NAD
Location: Office Bldg 1st Fl Thru-Out			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
42	117101460-42.2	No	NAD
Location: Office Bldg 1st Fl Thru-Out			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)			
Asbestos Types:			
Other Material: Animal hair 3 %, Non-fibrous 97 %			
43	117101460-43.1	No	NAD
Location: Office Bldg 1st Fl Thru-Out			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster)			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
43	117101460-43.2	No	NAD
Location: Office Bldg 1st Fl Thru-Out			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster)			
Asbestos Types:			
Other Material: Animal hair 6 %, Non-fibrous 94 %			
44	117101460-44	No	NAD
Location: Office Bldg Exterior Windows			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Window Glazing			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
45	117101460-45	Yes	6 %
Location: Office Bldg Exterior Windows			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 6.0 %			
Other Material: Non-fibrous 94 %			
46	117101460-46	No	NAD
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
47	117101460-47	No	NAD
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
48	117101460-48	No	NAD
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
49	117101460-49L1	Yes	5 %
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95 %			
49	117101460-49L2	Yes	5 %
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by J. Samuel Baird on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95 %			

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
50	117101460-50L1	Yes	2 %
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 98 %			
50	117101460-50L2	Yes	8 %
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types: Chrysotile 8.0 %			
Other Material: Non-fibrous 92 %			
51	117101460-51L1	Yes	4 %
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types: Chrysotile 4.0 %			
Other Material: Non-fibrous 96 %			
51	117101460-51L2	Yes	8 %
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types: Chrysotile 8.0 %			
Other Material: Non-fibrous 92 %			
52	117101460-52L1	No	NAD
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cove Base			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
52	117101460-52L2	No	NAD
Location: Office Bldg Basement / Plant Level Men's & Women's RR's			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Wollastonite 2 %, Non-fibrous 98 %			

PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
53	117101460-53L1 Location: Office Bldg Basement / Plant Level Men's & Women's RR's	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cove Base Asbestos Types: Other Material: Non-fibrous 100 %			
53	117101460-53L2 Location: Office Bldg Basement / Plant Level Men's & Women's RR's	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Wollastonite 2 %, Non-fibrous 98 %			
54	117101460-54L1 Location: Office Bldg Basement / Plant Level Men's & Women's RR's	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Cove Base Asbestos Types: Other Material: Non-fibrous 100 %			
54	117101460-54L2 Location: Office Bldg Basement / Plant Level Men's & Women's RR's	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Wollastonite 1 %, Non-fibrous 99 %			
55	117101460-55L1 Location: Office Bldg Basement / Plant Level Lab	Yes	4 % (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 96 %			
55	117101460-55L2 Location: Office Bldg Basement / Plant Level Lab	Yes	6 % (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 6.0 % Other Material: Non-fibrous 94 %			

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
56	117101460-56L1 Location: Office Bldg Basement / Plant Level Lab	Yes	4 % (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 96 %			
56	117101460-56L2 Location: Office Bldg Basement / Plant Level Lab	Yes	4 % (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 96 %			
57	117101460-57L1 Location: Office Bldg Basement / Plant Level Lab	Yes	5 % (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 %			
57	117101460-57L2 Location: Office Bldg Basement / Plant Level Lab	Yes	4 % (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 96 %			
58	117101460-58 Location: Office Bldg Basement / Plant Level Lab	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %			
59	117101460-59 Location: Office Bldg Basement / Plant Level Lab	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
60 Location: Office Bldg Basement / Plant Level Lab Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %	117101460-60	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
61 Location: Office Bldg Basement / Plant Level Lab Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-61	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
62 Location: Office Bldg Basement / Plant Level Lab Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %	117101460-62	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
63 Location: Office Bldg Basement / Plant Level Lab Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-63	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
64 Location: Office Bldg Basement / Plant Level Thru-Out Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Animal hair 1 %, Non-fibrous 99 %	117101460-64	Yes	Trace (<1 %) (by CVES) by Jean L. Mayes on 10/18/17
65 Location: Office Building Basement Plant Level Throughout Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Non-fibrous 40 %	117101460-65	Yes	60 % (by CVES) by Jean L. Mayes on 10/18/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
66	117101460-66	Yes	70 %
<p>Location: Office Building Basement Plant Level Throughout</p> <p>Analyst Description: Tan, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 70.0 % Other Material: Non-fibrous 30 %</p>			<p>(by CVES) by Jean L. Mayes on 10/18/17</p>
67	117101460-67	Yes	15 %
<p>Location: Office Building Basement Plant Level Throughout</p> <p>Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 15.0 % Other Material: Fibrous glass 65 %, Non-fibrous 20 %</p>			<p>(by CVES) by Jean L. Mayes on 10/18/17</p>
68	117101460-68	Yes	15 %
<p>Location: Office Building Basement Plant Level Throughout</p> <p>Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 15.0 % Other Material: Fibrous glass 65 %, Non-fibrous 20 %</p>			<p>(by CVES) by Jean L. Mayes on 10/18/17</p>
69	117101460-69	Yes	Trace (<1 %)
<p>Location: Office Building Basement Plant Level Throughout</p> <p>Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Animal hair 1 %, Non-fibrous 99 %</p>			<p>(by CVES) by Jean L. Mayes on 10/18/17</p>
70	117101460-70	Yes	60 %
<p>Location: Office Building Basement Plant Level Throughout</p> <p>Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Cellulose 10 %, Non-fibrous 30 %</p>			<p>(by CVES) by Jean L. Mayes on 10/18/17</p>
71	117101460-71	Yes	60 %
<p>Location: Office Building Basement Plant Level Throughout</p> <p>Analyst Description: Tan, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Non-fibrous 40 %</p>			<p>(by CVES) by Jean L. Mayes on 10/18/17</p>

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
72	117101460-72	Yes	10 %
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Fibrous glass 70 %, Non-fibrous 20 %			
73	117101460-73	Yes	Trace (<1 %)
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Animal hair 1 %, Non-fibrous 99 %			
74	117101460-74	Yes	Trace (<1 %)
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Animal hair 2 %, Non-fibrous 98 %			
75	117101460-75	No	NAD
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %			
76	117101460-76	No	NAD
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %			
77	117101460-77	No	NAD
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 1 %, Non-fibrous 99 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
78	117101460-78	No	NAD
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 1 %, Non-fibrous 99 %			
79	117101460-79	No	NAD
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
80	117101460-80	No	NAD
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
81	117101460-81	No	NAD
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
82	117101460-82	Yes	60 %
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Non-fibrous 40 %			
83	117101460-83	Yes	60 %
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Non-fibrous 40 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
84	117101460-84	Yes	10 %
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Fibrous glass 70 %, Non-fibrous 20 %			
85	117101460-85	Yes	10 %
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Fibrous glass 70 %, Non-fibrous 20 %			
86	117101460-86	No	NAD
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 1 %, Non-fibrous 99 %			
87	117101460-87	Yes	Trace (<1 %)
Location: Office Building Basement Plant Level Throughout			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Animal hair 2 %, Non-fibrous 98 %			
88	117101460-88	Yes	25 %
Location: Office Building Basement On Boiler And Floor			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 %, Amosite 5.0 % Other Material: Non-fibrous 75 %			
89	117101460-89	Yes	25 %
Location: Office Building Basement On Boiler And Floor			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 %, Amosite 5.0 % Other Material: Non-fibrous 75 %			

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
90	117101460-90	Yes	20 %
Location: Office Building Basement On Boiler And Floor			(by CVES) by David W. Raibovsky on 10/17/17
Analyst Description: Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 6.0 %, Amosite 14.0 %			
Other Material: Non-fibrous 80 %			
91	117101460-91	No	NAD
Location: Office Building Basement Boiler Rm			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Animal hair 1 %, Non-fibrous 99 %			
92	117101460-92	No	NAD
Location: Office Building Basement Boiler Rm			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Animal hair 1 %, Non-fibrous 99 %			
93	117101460-93	No	NAD
Location: Office Building Basement Boiler Rm			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Animal hair 1 %, Non-fibrous 99 %			
94	117101460-94	No	NAD
Location: Office Building Basement Storage Rm			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Animal hair 1 %, Non-fibrous 99 %			
95	117101460-95	No	NAD
Location: Office Building Basement Storage Rm			(by CVES) by Jean L. Mayes on 10/18/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Animal hair 2 %, Non-fibrous 98 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
96 Location: Office Building Basement Storage Rm Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %	117101460-96	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
97 Location: Office Bldg Throughout Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-97	No	NAD (by CVES) by Jean L. Mayes on 10/18/17
98 Location: Office Bldg Throughout Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 8.0 % Other Material: Non-fibrous 92 %	117101460-98	Yes	8 % (by CVES) by Jean L. Mayes on 10/18/17
99 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Gray, Heterogeneous, Fibrous, Transite Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %	117101460-99L1	Yes	20 % (by CVES) by William M. Dunstan on 10/18/17
99 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Tan, Heterogeneous, Fibrous, Insulation Board Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %	117101460-99L2	No	NAD (by CVES) by William M. Dunstan on 10/18/17
100 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Gray, Heterogeneous, Fibrous, Transite Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %	117101460-100L1	Yes	20 % (by CVES) by William M. Dunstan on 10/18/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
100 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Tan, Heterogeneous, Fibrous, Insulation Board Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %	117101460-100L2	No	NAD (by CVES) by William M. Dunstan on 10/18/17
101 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Gray, Heterogeneous, Fibrous, Transite Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %	117101460-101L1	Yes	20 % (by CVES) by William M. Dunstan on 10/18/17
101 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Tan, Heterogeneous, Fibrous, Insulation Board Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %	117101460-101L2	No	NAD (by CVES) by William M. Dunstan on 10/18/17
102 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %	117101460-102	No	NAD (by CVES) by William M. Dunstan on 10/18/17
103 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %	117101460-103	No	NAD (by CVES) by William M. Dunstan on 10/18/17
104 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %	117101460-104	No	NAD (by CVES) by William M. Dunstan on 10/18/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
105 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %	117101460-105	No	NAD (by CVES) by William M. Dunstan on 10/18/17
106 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %	117101460-106	No	NAD (by CVES) by William M. Dunstan on 10/18/17
107 Location: 2nd Floor Storage Area Over Shop Wall Panels Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %	117101460-107	No	NAD (by CVES) by William M. Dunstan on 10/18/17
108 Location: 2nd Floor Storage Area Over Shop Ceiling Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %	117101460-108	No	NAD (by CVES) by William M. Dunstan on 10/18/17
109 Location: 2nd Floor Storage Area Over Shop Ceiling Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %	117101460-109	No	NAD (by CVES) by William M. Dunstan on 10/18/17
110 Location: 2nd Floor Storage Area Over Shop Ceiling Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %	117101460-110	No	NAD (by CVES) by William M. Dunstan on 10/18/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111 Location: 2nd Floor Storage Area Over Shop Ceiling	117101460-111	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
112 Location: 2nd Floor Storage Area Over Shop Ceiling	117101460-112	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 98 %, Non-fibrous 2 %			
113 Location: 2nd Floor Storage Area Over Shop / Ceiling	117101460-113	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 90 %, Non-fibrous 10 %			
114 Location: Interior Windows Throughout Plant	117101460-114	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
115 Location: Plant Area	117101460-115	Yes	55 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 55.0 % Other Material: Cellulose 20 %, Non-fibrous 25 %			
116 Location: Plant Area	117101460-116	Yes	55 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 55.0 % Other Material: Cellulose 20 %, Non-fibrous 25 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
117 Location: Plant Area	117101460-117	Yes	55 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 55.0 % Other Material: Cellulose 20 %, Non-fibrous 25 %			
118 Location: Plant Area	117101460-118	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: White/Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3 %, Fibrous glass 92 %, Non-fibrous 5 %			
119 Location: Plant Area	117101460-119	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: White/Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3 %, Fibrous glass 92 %, Non-fibrous 5 %			
120 Location: Plant Area	117101460-120	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: White/Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3 %, Fibrous glass 92 %, Non-fibrous 5 %			
121 Location: Plant Area Rear	117101460-121	Yes	5 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Cellulose 90 %, Non-fibrous 5 %			
122 Location: Plant Area Rear	117101460-122	Yes	50 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 50.0 % Other Material: Cellulose 25 %, Non-fibrous 25 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
123 Location: Plant Area Rear	117101460-123	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 98 %, Non-fibrous 2 %			
124 Location: Plant Area	117101460-124	Yes	55 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 55.0 % Other Material: Cellulose 25 %, Non-fibrous 20 %			
125 Location: Plant Area Dryer Area	117101460-125	Yes	11 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 %, Amosite 7.0 % Other Material: Non-fibrous 89 %			
126 Location: Plant Area Dryer Area	117101460-126	Yes	11 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 %, Amosite 7.0 % Other Material: Non-fibrous 89 %			
127 Location: Plant Area Dryer Area	117101460-127	Yes	11 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 %, Amosite 7.0 % Other Material: Non-fibrous 89 %			
128 Location: Plant Area Dryer Area	117101460-128	Yes	70 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 70.0 % Other Material: Non-fibrous 30 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
129	117101460-129	Yes	70 %
Location: Plant Area Dryers			(by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 70.0 %			
Other Material: Non-fibrous 30 %			
130	117101460-130	Yes	60 %
Location: Plant Area Dryers			(by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 60.0 %			
Other Material: Cellulose 20 %, Non-fibrous 20 %			
131	117101460-131	Yes	60 %
Location: Plant Area			(by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 60.0 %			
Other Material: Cellulose 20 %, Non-fibrous 20 %			
132	117101460-132	Yes	20 %
Location: 2nd Floor Top Of Rear Stairwell			(by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80 %			
133	117101460-133	Yes	20 %
Location: 2nd Floor Top Of Rear Stairwell			(by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80 %			
134	117101460-134	Yes	20 %
Location: 2nd Floor Top Of Rear Stairwell			(by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Non-fibrous 80 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
135 Location: Plant Area Kiln Analyst Description: Pink, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 2 %, Fibrous glass 93 %, Non-fibrous 5 %	117101460-135	No	NAD (by CVES) by William M. Dunstan on 10/18/17
136 Location: Plant Area Kiln Analyst Description: Pink, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101460-136	No	NAD (by CVES) by William M. Dunstan on 10/18/17
137 Location: Plant Area Kiln Analyst Description: Pink, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101460-137	No	NAD (by CVES) by William M. Dunstan on 10/18/17
138 Location: Plant Area Rear Analyst Description: Beige/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-138	No	NAD (by CVES) by William M. Dunstan on 10/18/17
139 Location: Plant Area Rear Analyst Description: Beige/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-139	No	NAD (by CVES) by William M. Dunstan on 10/18/17
140 Location: Plant Area Rear Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-140	No	NAD (by CVES) by William M. Dunstan on 10/18/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
141 Location: Plant Area Rear Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-141	No	NAD (by CVES) by William M. Dunstan on 10/18/17
142 Location: Plant Area Rear Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-142	No	NAD (by CVES) by William M. Dunstan on 10/18/17
143 Location: Plant Area Rear Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-143	No	NAD (by CVES) by William M. Dunstan on 10/18/17
144 Location: Plant Area Kiln Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-144	No	NAD (by CVES) by William M. Dunstan on 10/18/17
145 Location: Plant Area Kiln Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-145	No	NAD (by CVES) by William M. Dunstan on 10/18/17
146 Location: Plant Area Kiln Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-146	No	NAD (by CVES) by William M. Dunstan on 10/18/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
147 Location: Plant Area Kiln Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-147	No	NAD (by CVES) by William M. Dunstan on 10/18/17
148 Location: Plant Area Kiln Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-148	No	NAD (by CVES) by William M. Dunstan on 10/18/17
149 Location: Plant Area Kiln Analyst Description: Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101460-149	No	NAD (by CVES) by William M. Dunstan on 10/18/17
150 Location: Plant Area Kiln Analyst Description: Gray, Heterogeneous, Fibrous, Transite Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %	117101460-150L1	Yes	20 % (by CVES) by William M. Dunstan on 10/18/17
150 Location: Plant Area Kiln Analyst Description: Cream, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101460-150L2	No	NAD (by CVES) by William M. Dunstan on 10/18/17
151 Location: Plant Area Kiln Analyst Description: Gray, Heterogeneous, Fibrous, Transite Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %	117101460-151L1	Yes	20 % (by CVES) by William M. Dunstan on 10/18/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
151 Location: Plant Area Kiln	117101460-151L2	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Cream, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
152 Location: Plant Area Kiln	117101460-152L1	Yes	20 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Transite Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %			
152 Location: Plant Area Kiln	117101460-152L2	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Cream, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
153 Location: Plant Area Kiln	117101460-153L1	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Cream, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Fibrous glass 98 %, Non-fibrous 2 %			
153 Location: Plant Area Kiln	117101460-153L2	Yes	70 % (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Gray, Heterogeneous, Fibrous, Insulation Asbestos Types: Chrysotile 70.0 % Other Material: Non-fibrous 30 %			
154 Location: Plant Area Kiln	117101460-154L1	No	NAD (by CVES) by William M. Dunstan on 10/18/17
Analyst Description: Cream, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Fibrous glass 98 %, Non-fibrous 2 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
154 Location: Plant Area Kiln Analyst Description: Gray, Heterogeneous, Fibrous, Insulation Asbestos Types: Chrysotile 70.0 % Other Material: Non-fibrous 30 %	117101460-154L2	Yes	70 % (by CVES) by William M. Dunstan on 10/18/17
155 Location: Plant Area Kiln Analyst Description: Cream, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Fibrous glass 98 %, Non-fibrous 2 %	117101460-155L1	No	NAD (by CVES) by William M. Dunstan on 10/18/17
155 Location: Plant Area Kiln Analyst Description: Gray, Heterogeneous, Fibrous, Insulation Asbestos Types: Chrysotile 70.0 % Other Material: Non-fibrous 30 %	117101460-155L2	Yes	70 % (by CVES) by William M. Dunstan on 10/18/17
156 Location: Plant Area Kiln Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Crocidolite 3.0 %, Chrysotile 67.0 % Other Material: Non-fibrous 30 %	117101460-156	Yes	70 % (by CVES) by William M. Dunstan on 10/18/17
157 Location: Plant Area Kiln Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Crocidolite 3.0 %, Chrysotile 67.0 % Other Material: Non-fibrous 30 %	117101460-157	Yes	70 % (by CVES) by William M. Dunstan on 10/18/17
158 Location: Plant Area Kiln Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Crocidolite 3.0 %, Chrysotile 67.0 % Other Material: Non-fibrous 30 %	117101460-158	Yes	70 % (by CVES) by William M. Dunstan on 10/18/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
159	117101460-159	Yes	20 %
Location: Plant Area Kiln Top Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %			(by CVES) by William M. Dunstan on 10/18/17
160	117101460-160	Yes	20 %
Location: Plant Area Kiln Top Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %			(by CVES) by William M. Dunstan on 10/18/17

Reporting Notes:

Analyzed by: J. Samuel Baird  Date: 10/18/2017 Reviewed by: 

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.



5320 N. Pioneer Road
 Gibsonsia, PA 15044
 Phone: 724-444-3460 Fax: 724-444-3463
 midatlantic@zoominternet.net

117101460

Chain of Custody Form

SAMPLE	LAB ID NUMBER	TYPE OF ANALYSIS	TURNAROUND TIME
01		PLM Asbestos	Standard.
160			

Project Site: Newell Porcelain Plant Sampler Signature: [Signature] JN# CEC-17-20

Client / Address: CEC Phone: _____ Fax: _____

Email: _____ Contact Name: _____

Relinquished By: Edgar King Date: 10-11-17 Time: 0530 AM

Received By: Shelley Burch Date: 10/11/17 Time: 8:00am

Received By: (AMERISCT) Date: _____ Time: _____

Additional Information:
 *Please email results only to:
 midatlantic@zoominternet.net

RECEIVED
 OCT 12 2017
 By KMH



Please Reply To:

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

FACSIMILE TELECOPY TRANSMISSION

To: Tim Daniels
Mid Atlantic Environmental Consultants, Inc
Fax #:
Email: MIDATLANTIC@ZOOMINTERNET.NET

From: Jean L. Mayes
AmeriSci Job #: 117101584
Subject: PLM 5 day Results
Client Project: CEC-17-20; CEC; Newell
Porcelain Plant

Date: Monday, October 23, 2017
Time: 18:15:04
Comments:

Number of Pages: 41
(including cover sheet)



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MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Mid Atlantic Environmental Consultants, **Date Received** 10/16/17 **AmeriSci Job #** 117101584
Attn: Tim Daniels **Date Examined** 10/23/17 **P.O. #**
5320 North Pioneer Road **Page** 1 of 39
RE: CEC-17-20; CEC; Newell Porcelain Plant
Gibsonia, PA 15044

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
161 Location: Plant Area Kiln Top Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Non-fibrous 90 %	117101584-01	Yes	10 % (by CVES) by Jean L. Mayes on 10/23/17
162 Location: Plant Area Kiln Front Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Transite Asbestos Types: Chrysotile 15.0 % Other Material: Non-fibrous 85 %	117101584-02.1	Yes	15 % (by CVES) by Jean L. Mayes on 10/23/17
162 Location: Plant Area Kiln Front Analyst Description: Brown, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %	117101584-02.2	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
163 Location: Plant Area Kiln Front Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Transite Asbestos Types: Chrysotile 15.0 % Other Material: Non-fibrous 85 %	117101584-03.1	Yes	15 % (by CVES) by Jean L. Mayes on 10/23/17
163 Location: Plant Area Kiln Front Analyst Description: Brown, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %	117101584-03.2	No	NAD (by CVES) by Jean L. Mayes on 10/23/17

See Reporting notes on last page

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
164 Location: Plant Area Kiln Front	117101584-04.1	Yes	15 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Transite Asbestos Types: Chrysotile 15.0 % Other Material: Non-fibrous 85 %			
164 Location: Plant Area Kiln Front	117101584-04.2	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Brown, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 %			
165 Location: Plant Area Kiln	117101584-05	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
166 Location: Plant Area Kiln	117101584-06	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
167 Location: Plant Area Kiln	117101584-07	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
168 Location: Plant Area Dryers	117101584-08	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
169 Location: Plant Area Dryers Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101584-09	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
170 Location: Plant Area Dryers Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	117101584-10	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
171 Location: Plant Area Dryers Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Synthetic fibers 30 %, Non-fibrous 70 %	117101584-11	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
172 Location: Plant Area Dryers Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Synthetic fibers 30 %, Non-fibrous 70 %	117101584-12	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
173 Location: Plant Area Dryers Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Synthetic fibers 30 %, Non-fibrous 70 %	117101584-13	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
174 Location: Plant Area 2nd Fir Over Kiln Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %	117101584-14	No	NAD (by CVES) by Jean L. Mayes on 10/23/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
175 Location: Plant Area 2nd Fir Over Kiln	117101584-15	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %			
176 Location: Plant Area 2nd Fir Over Kiln	117101584-16	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %			
177 Location: Plant Area 2nd Fir Over Kiln	117101584-17.1	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
177 Location: Plant Area 2nd Fir Over Kiln	117101584-17.2	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair NAD, Non-fibrous 98 %			
178 Location: Plant Area 2nd Fir Over Kiln	117101584-18.1	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 %			
178 Location: Plant Area 2nd Fir Over Kiln	117101584-18.2	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
179 Location: Plant Area 2nd Flr Over Kiln	117101584-19	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Animal hair 2 %, Non-fibrous 98 %			
180 Location: Plant Area Elma Kiln	117101584-20	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
181 Location: Plant Area Elma Kiln	117101584-21	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
182 Location: Plant Area Elma Kiln	117101584-22	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
183 Location: Plant Area Elma Kiln Debris	117101584-23	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
184 Location: Plant Area Elma Kiln Debris	117101584-24	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
185 Location: Plant Area Elma Kiln Debris	117101584-25	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
186 Location: Plant Area Denver Kiln	117101584-26	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
187 Location: Plant Area Denver Kiln	117101584-27	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
188 Location: Plant Area Denver Kiln	117101584-28	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
189 Location: Plant Area Campbell Kiln	117101584-29	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
190 Location: Plant Area Campbell Kiln	117101584-30	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
191 Location: Plant Area Campbell Kiln	117101584-31	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
192 Location: Plant Area Rear	117101584-32	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 5 %, Non-fibrous 85 %			
193 Location: Plant Area Rear	117101584-33	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 5 %, Non-fibrous 85 %			
194 Location: Plant Area Rear	117101584-34	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 5 %, Non-fibrous 85 %			
195 Location: Plant Area Rear	117101584-35	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
196 Location: Plant Area Rear	117101584-36	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
197 Location: Plant Area Rear	117101584-37	Yes	15 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 15.0 % Other Material: Non-fibrous 85 %			
198 Location: Plant Area Rear	117101584-38	Yes	15 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 15.0 % Other Material: Non-fibrous 85 %			
199 Location: Plant Area Rear	117101584-39	Yes	15 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 15.0 % Other Material: Non-fibrous 85 %			
200 Location: Plant Area Boiler Stair	117101584-40.1	Yes	25 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Insulation Asbestos Types: Chrysotile 20.0 %, Amosite 5.0 % Other Material: Non-fibrous 75 %			
200 Location: Plant Area Boiler Stair	117101584-40.2	Yes	70 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Fibrous, Airocell Asbestos Types: Chrysotile 70.0 % Other Material: Non-fibrous 30 %			
201 Location: Plant Area	117101584-41.1	Yes	25 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Insulation Asbestos Types: Chrysotile 20.0 %, Amosite 5.0 % Other Material: Non-fibrous 75 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
201 Location: Plant Area Analyst Description: White, Heterogeneous, Fibrous, Airocell Asbestos Types: Chrysotile 65.0 % Other Material: Non-fibrous 35 %	117101584-41.2	Yes	65 % (by CVES) by Jean L. Mayes on 10/23/17
202 Location: Plant Area Analyst Description: White, Heterogeneous, Non-Fibrous, Insulation Asbestos Types: Chrysotile 20.0 %, Amosite 5.0 % Other Material: Non-fibrous 75 %	117101584-42.1	Yes	25 % (by CVES) by Jean L. Mayes on 10/23/17
202 Location: Plant Area Analyst Description: White, Heterogeneous, Fibrous, Airocell Asbestos Types: Chrysotile 65.0 % Other Material: Non-fibrous 35 %	117101584-42.2	Yes	65 % (by CVES) by Jean L. Mayes on 10/23/17
203 Location: Basement Rear Analyst Description: Brown/Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 80 %, Non-fibrous 20 %	117101584-43	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
204 Location: Basement Rear Analyst Description: Brown/Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 80 %, Non-fibrous 20 %	117101584-44	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
205 Location: Basement Rear Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 80 %, Non-fibrous 20 %	117101584-45	No	NAD (by CVES) by Jean L. Mayes on 10/23/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
206 Location: Basement Rear	117101584-46	Yes	13 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 3.0 %, Amosite 10.0 % Other Material: Non-fibrous 87 %			
207 Location: Basement Rear	117101584-47	Yes	13 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 %, Amosite 3.0 % Other Material: Non-fibrous 87 %			
208 Location: Basement Rear	117101584-48	Yes	10 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 %, Amosite 5.0 % Other Material: Non-fibrous 90 %			
209 Location: Basement Boiler Room	117101584-49	Yes	30 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 %, Amosite 10.0 % Other Material: Non-fibrous 70 %			
210 Location: Basement Boiler Room	117101584-50	Yes	30 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 %, Amosite 20.0 % Other Material: Non-fibrous 70 %			
211 Location: Basement Boiler Room	117101584-51	Yes	30 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 %, Amosite 20.0 % Other Material: Non-fibrous 70 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
212 Location: Basement Boiler 2 Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 97 %, Non-fibrous 3 %	117101584-52	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
213 Location: Basement Boiler 2 Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101584-53	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
214 Location: Basement Boiler 2 Analyst Description: Yellow/White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101584-54	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
215 Location: Basement Boiler 2 Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101584-55	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
216 Location: Basement Boiler 2 Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101584-56	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
217 Location: Basement Boiler 2 Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 90 %, Non-fibrous 10 %	117101584-57	No	NAD (by CVES) by Jean L. Mayes on 10/23/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
218 Location: Basement Boiler 1 Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101584-58	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
219 Location: Basement Boiler 1 Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101584-59	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
220 Location: Basement Boiler 1 Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	117101584-60	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
221 Location: Basement Boiler 1 Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 70 %, Non-fibrous 30 %	117101584-61	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
222 Location: Basement Boiler 1 Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 70 %, Non-fibrous 30 %	117101584-62	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
223 Location: Basement Boiler 1 Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 70 %, Non-fibrous 30 %	117101584-63	No	NAD (by CVES) by Jean L. Mayes on 10/23/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
224 Location: Basement Vat Room Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Cellulose 40 %, Non-fibrous 20 %	117101584-64	Yes	40 % (by CVES) by Jean L. Mayes on 10/23/17
225 Location: Basement Vat Room Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Cellulose 40 %, Non-fibrous 20 %	117101584-65	Yes	40 % (by CVES) by Jean L. Mayes on 10/23/17
226 Location: Basement Vat Room Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 70.0 % Other Material: Non-fibrous 30 %	117101584-66	Yes	70 % (by CVES) by Jean L. Mayes on 10/23/17
227 Location: Basement Electric Room Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %	117101584-67	Yes	20 % (by CVES) by Jean L. Mayes on 10/23/17
228 Location: Basement Electric Room Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %	117101584-68	Yes	20 % (by CVES) by Jean L. Mayes on 10/23/17
229 Location: Basement Electric Room Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 % Other Material: Non-fibrous 80 %	117101584-69	Yes	20 % (by CVES) by Jean L. Mayes on 10/23/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
230 Location: Plant Area Dryers	117101584-70	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 90 %, Non-fibrous 10 %			
231 Location: Plant Area Dryers	117101584-71	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 90 %, Non-fibrous 10 %			
232 Location: Plant Area Dryers	117101584-72	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Yellow, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 90 %, Non-fibrous 10 %			
233 Location: South End High Roof	117101584-73	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3 %, Fibrous glass 20 %, Non-fibrous 77 %			
234 Location: South End High Roof	117101584-74	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Fibrous glass 10 %, Non-fibrous 80 %			
235 Location: South End High Roof	117101584-75	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 20 %, Non-fibrous 80 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
236 Location: South End High Roof Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Non-fibrous 95 %	117101584-76	Yes	5 % (by CVES) by Jean L. Mayes on 10/23/17
237 Location: South End High Roof Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 30.0 % Other Material: Non-fibrous 70 %	117101584-77	Yes	30 % (by CVES) by Jean L. Mayes on 10/23/17
238 Location: South End High Roof Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 30.0 % Other Material: Non-fibrous 70 %	117101584-78	Yes	30 % (by CVES) by Jean L. Mayes on 10/23/17
239 Location: South End Lower Roof Section Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %	117101584-79	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
240 Location: South End Lower Roof Section Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %	117101584-80	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
241 Location: South End Lower Roof Section Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %	117101584-81	No	NAD (by CVES) by William M. Dunstan on 10/23/17

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
242 Location: Roof Over Walkway 2nd Floor S End Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Non-fibrous 95 %	117101584-82	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
243 Location: Roof Over Walkway 2nd Floor S End Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %	117101584-83	No	NAD (by CVES) by William M. Dunstan on 10/23/17
244 Location: Roof Over Walkway 2nd Floor S End Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %	117101584-84	No	NAD (by CVES) by William M. Dunstan on 10/23/17
245 Location: Roof Between Walkway And Dryers Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %	117101584-85	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
246 Location: Roof Between Walkway And Dryers Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %	117101584-86	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
247 Location: Roof Between Walkway And Dryers Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %	117101584-87	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
248 Location: Roof Over Denver & Campbell Kilns Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Non-fibrous 95 %	117101584-88	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
249 Location: Roof Over Denver & Campbell Kilns Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Non-fibrous 95 %	117101584-89	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
250 Location: Roof Over Denver & Campbell Kilns Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Non-fibrous 95 %	117101584-90	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
251 Location: Small Galbestos Root East Of Campbell Kiln Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %	117101584-91	Yes	40 % (by CVES) by William M. Dunstan on 10/23/17
252 Location: Small Galbestos Root East Of Campbell Kiln Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %	117101584-92	Yes	40 % (by CVES) by William M. Dunstan on 10/23/17
253 Location: Small Galbestos Root East Of Campbell Kiln Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %	117101584-93	Yes	40 % (by CVES) by William M. Dunstan on 10/23/17

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PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
254	117101584-94	Yes	40 %
Location: Large Section Galbestos Roof			(by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 40.0 %			
Other Material: Non-fibrous 60 %			
255	117101584-95	Yes	40 %
Location: Large Section Galbestos Roof			(by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 40.0 %			
Other Material: Non-fibrous 60 %			
256	117101584-96	Yes	40 %
Location: Large Section Galbestos Roof			(by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 40.0 %			
Other Material: Non-fibrous 60 %			
257	117101584-97	Yes	5 %
Location: Larger Section Galbestos Roof			(by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95 %			
258	117101584-98	Yes	5 %
Location: Larger Section Galbestos Roof			(by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95 %			
259	117101584-99	Yes	5 %
Location: Larger Section Galbestos Roof			(by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Non-fibrous 95 %			

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Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
260	117101584-100 Location: Southeast Section Galbestos Roof	Yes	40 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 40.0 %			
Other Material: Non-fibrous 60 %			
261	117101584-101 Location: Southeast Section Galbestos Roof	Yes	25 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Cellulose 25 %, Non-fibrous 50 %			
262	117101584-102 Location: Southeast Section Galbestos Roof	Yes	25 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Cellulose 25 %, Non-fibrous 50 %			
263	117101584-103 Location: North End Of Kiln	Yes	15 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Gray, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Chrysotile 15.0 %			
Other Material: Non-fibrous 85 %			
264	117101584-104 Location: North End Of Kiln	Yes	15 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Gray, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Chrysotile 15.0 %			
Other Material: Non-fibrous 85 %			
265	117101584-105 Location: North End Of Kiln	Yes	15 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Gray, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Chrysotile 15.0 %			
Other Material: Non-fibrous 85 %			

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
266 Location: Roof Over Dryers	117101584-106	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %			
267 Location: Roof Over Dryers	117101584-107	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %			
268 Location: Roof Over Dryers	117101584-108	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %			
269 Location: Roof Over Dryers	117101584-109	Yes	2 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: Fibrous glass 3 %, Non-fibrous 95 %			
270 Location: Roof Over Dryers	117101584-110	Yes	2 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: Fibrous glass 3 %, Non-fibrous 95 %			
271 Location: Roof Over Dryers	117101584-111	Yes	2 % (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: Fibrous glass 3 %, Non-fibrous 95 %			

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PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
272 Location: Higher Roof Over Maint Shop	117101584-112	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Fibrous glass 2 %, Non-fibrous 98 %			
273 Location: Higher Roof Over Maint Shop	117101584-113	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Fibrous glass 2 %, Non-fibrous 98 %			
274 Location: Higher Roof Over Maint Shop	117101584-114	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Fibrous glass 2 %, Non-fibrous 98 %			
275 Location: Roof Between 2 High Sections	117101584-115	No	NAD (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
276 Location: Roof Between 2 High Sections	117101584-116	No	NAD (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
277 Location: Roof Between 2 High Sections	117101584-117	No	NAD (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
278 Location: Roof	117101584-118	No	NAD (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
279 Location: Roof	117101584-119	No	NAD (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Non-fibrous 95 %			
280 Location: Roof	117101584-120	Yes	Trace (<1 %) (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Fibrous glass 2 %, Non-fibrous 98 %			
281 Location: Roof	117101584-121	No	NAD (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Other Material: Cellulose 80 %, Synthetic fibers 10 %, Non-fibrous 10 %			
282 Location: Roof	117101584-122	No	NAD (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Other Material: Cellulose 80 %, Synthetic fibers 10 %, Non-fibrous 10 %			
283 Location: Roof	117101584-123	No	NAD (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Other Material: Cellulose 80 %, Synthetic fibers 10 %, Non-fibrous 10 %			

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PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
284 Location: Higher Roof	117101584-124	No	NAD (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Other Material: Cellulose 20 %, Fibrous glass 15 %, Non-fibrous 65 %			
285 Location: Higher Roof	117101584-125	Yes	3 % (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Chrysotile 3.0 % Other Material: Cellulose 42 %, Fibrous glass 15 %, Non-fibrous 40 %			
286 Location: Higher Roof	117101584-126	Yes	3 % (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Chrysotile 3.0 % Other Material: Cellulose 42 %, Fibrous glass 15 %, Non-fibrous 40 %			
287 Location: Roof	117101584-127	Yes	3 % (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Chrysotile 3.0 % Other Material: Cellulose 42 %, Fibrous glass 15 %, Non-fibrous 40 %			
288 Location: Roof	117101584-128	Yes	4 % (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 % Other Material: Cellulose 20 %, Fibrous glass 15 %, Non-fibrous 61 %			
289 Location: Roof	117101584-129	Yes	3 % (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Chrysotile 3.0 % Other Material: Cellulose 20 %, Fibrous glass 10 %, Non-fibrous 67 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
290 Location: Roof	117101584-130	Yes	15 % (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Silver/Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 15.0 % Other Material: Cellulose 35 %, Fibrous glass 25 %, Non-fibrous 25 %			
291 Location: Roof	117101584-131	Yes	15 % (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Silver/Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Chrysotile 15.0 % Other Material: Cellulose 20 %, Fibrous glass 25 %, Non-fibrous 40 %			
292 Location: Roof	117101584-132	Yes	15 % (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Silver/Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Chrysotile 15.0 % Other Material: Cellulose 20 %, Fibrous glass 25 %, Non-fibrous 40 %			
293 Location: Roof	117101584-133	No	NAD (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Other Material: Cellulose 55 %, Fibrous glass 20 %, Non-fibrous 25 %			
294 Location: Roof	117101584-134	No	NAD (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Other Material: Cellulose 55 %, Fibrous glass 20 %, Non-fibrous 25 %			
295 Location: Roof	117101584-135	No	NAD (by CVES) by J. Samuel Baird on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Roofing Asbestos Types: Other Material: Cellulose 55 %, Fibrous glass 20 %, Non-fibrous 25 %			

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CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
296 Location: Roof	117101584-136	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
297 Location: Roof	117101584-137	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
298 Location: Roof	117101584-138	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
299 Location: Roof	117101584-139	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
300 Location: Roof	117101584-140	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
301 Location: Roof	117101584-141	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			

See Reporting notes on last page

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
302 Location: Roof	117101584-142	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
303 Location: Roof Under Metal	117101584-143	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
304 Location: Roof Under Metal	117101584-144	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
305 Location: Roof Under Metal	117101584-145	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 25 %, Non-fibrous 75 %			
306 Location: Roof Under Metal	117101584-146	Yes	5 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Cellulose 20 %, Non-fibrous 75 %			
307 Location: Roof Under Metal	117101584-147	Yes	5 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Cellulose 20 %, Non-fibrous 75 %			

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PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
308 Location: Roof Under Metal	117101584-148	Yes	5 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Cellulose 20 %, Non-fibrous 75 %			
309 Location: Roof Under Metal	117101584-149	Yes	10 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Cellulose 15 %, Non-fibrous 75 %			
310 Location: Roof Under Metal	117101584-150	Yes	10 % (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Cellulose 15 %, Non-fibrous 75 %			
311 Location: Roof Under Metal	117101584-151	Yes	30 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 30.0 % Other Material: Cellulose 30 %, Non-fibrous 40 %			
312 Location: Roof Under Metal	117101584-152	Yes	30 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 30.0 % Other Material: Cellulose 30 %, Non-fibrous 40 %			
313 Location: Roof Under Metal	117101584-153	Yes	30 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 30.0 % Other Material: Cellulose 30 %, Non-fibrous 40 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
314 Location: Roof Under Metal	117101584-154	Yes	30 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 30.0 % Other Material: Cellulose 30 %, Non-fibrous 40 %			
315 Location: Roof Under Metal	117101584-155	Yes	30 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 30.0 % Other Material: Cellulose 30 %, Non-fibrous 40 %			
316 Location: Roof Under Metal	117101584-156	Yes	30 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 30.0 % Other Material: Cellulose 30 %, Non-fibrous 40 %			
317 Location: Roof Under Metal	117101584-157	Yes	20 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 % Other Material: Cellulose 35 %, Non-fibrous 45 %			
318 Location: Roof Under Metal	117101584-158	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 40 %, Non-fibrous 60 %			
319 Location: Roof Under Metal	117101584-159	Yes	20 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 % Other Material: Cellulose 35 %, Non-fibrous 45 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
320 Location: Roof Under Metal	117101584-160	Yes	20 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 20.0 % Other Material: Cellulose 35 %, Non-fibrous 45 %			
321 Location: Low Roof North End Section	117101584-161	Yes	10 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Cellulose 40 %, Non-fibrous 50 %			
322 Location: Low Roof North End Section	117101584-162	Yes	10 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Cellulose 30 %, Fibrous glass 10 %, Non-fibrous 50 %			
323 Location: Low Roof North End Section	117101584-163	Yes	10 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.0 % Other Material: Cellulose 30 %, Fibrous glass 10 %, Non-fibrous 50 %			
324 Location: Low Roof North End Section	117101584-164	Yes	5 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Cellulose 35 %, Non-fibrous 60 %			
325 Location: Low Roof North End Section	117101584-165	Yes	5 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 5.0 % Other Material: Cellulose 35 %, Non-fibrous 60 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
326 Location: High Roof North End Section	117101584-166	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 35 %, Fibrous glass 5 %, Non-fibrous 60 %			
327 Location: High Roof North End Section	117101584-167	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 35 %, Fibrous glass 5 %, Non-fibrous 60 %			
328 Location: High Roof North End Section	117101584-168	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
329 Location: Low Roof North End Section	117101584-169	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
330 Location: Low Roof North End Section	117101584-170	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
331 Location: Low Roof North End Section	117101584-171	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
332 Location: Low Roof North End Section Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %	117101584-172	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
333 Location: Low Roof North End Section Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %	117101584-173	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
334 Location: South End Roof Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %	117101584-174	No	NAD (by CVES) by Jean L. Mayes on 10/23/17
335 Location: South End Roof Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %	117101584-175	No	NAD (by CVES) by William M. Dunstan on 10/23/17
336 Location: South End Roof Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %	117101584-176	No	NAD (by CVES) by William M. Dunstan on 10/23/17
337 Location: South End Roof Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 6 %, Non-fibrous 94 %	117101584-177	No	NAD (by CVES) by William M. Dunstan on 10/23/17

PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
338 Location: South End Roof	117101584-178	No	NAD (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 6 %, Non-fibrous 94 %			
339 Location: South End Pole Building	117101584-179	No	NAD (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Yellow/Silver, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
340 Location: South End Pole Building	117101584-180	No	NAD (by CVES) by William M. Dunstan on 10/23/17
Analyst Description: Yellow/Silver, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
341 Location: South End Pole Building	117101584-181	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Tan/Brown/Silver, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 25 %, Fibrous glass 60 %, Non-fibrous 15 %			
342 Location: South End Pole Building Exterior	117101584-182	Yes	65 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 65.0 % Other Material: Non-fibrous 35 %			
343 Location: South End Pole Building Exterior	117101584-183	Yes	65 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 65.0 % Other Material: Non-fibrous 35 %			

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
344	117101584-184	Yes	65 %
Location: South End Pole Building Exterior			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/Black, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 65.0 %			
Other Material: Non-fibrous 35 %			
345	117101584-185	Yes	5 %
Location: South End Roof			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Cellulose 40 %, Non-fibrous 55 %			
346	117101584-186	Yes	5 %
Location: South End Roof			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Cellulose 40 %, Non-fibrous 55 %			
347	117101584-187	Yes	5 %
Location: South End Roof			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 5.0 %			
Other Material: Cellulose 40 %, Non-fibrous 55 %			
348	117101584-188	Yes	8 %
Location: South			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 8.0 %			
Other Material: Cellulose 40 %, Non-fibrous 52 %			
349	117101584-189	Yes	8 %
Location: South			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 8.0 %			
Other Material: Cellulose 40 %, Non-fibrous 52 %			

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PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
350 Location: South End Building	117101584-190	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
351 Location: Larger Out Bldg Int Wall	117101584-191	Yes	40 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %			
352 Location: Larger Out Bldg Int Ceiling	117101584-192	Yes	40 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %			
353 Location: Larger Out Bldg Int Ceiling	117101584-193	Yes	40 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %			
354 Location: Larger Out Bldg Int Window Glaz	117101584-194	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
355 Location: Larger Out Bldg Int Window Glaz	117101584-195	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
356 Location: Larger Out Bldg Int Window Glaz	117101584-196	Yes	4 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 96 %			
357 Location: Larger Out Bldg Int Duct	117101584-197	Yes	60 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Cellulose 35 %, Non-fibrous 5 %			
358 Location: Larger Out Bldg Int Duct	117101584-198	Yes	55 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 55.0 % Other Material: Cellulose 35 %, Non-fibrous 10 %			
359 Location: Larger Out Bldg Int Duct	117101584-199	Yes	60 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Cellulose 35 %, Non-fibrous 5 %			
360 Location: Larger Out Bldg Exterior Over Doorway	117101584-200	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 60 %, Non-fibrous 40 %			
361 Location: Larger Out Bldg Exterior Over Doorway	117101584-201	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 60 %, Non-fibrous 40 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
362	117101584-202	No	NAD
Location: Larger Out Bldg Exterior Over Doorway			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 60 %, Non-fibrous 40 %			
363	117101584-203	Yes	40 %
Location: Larger Out Bldg Exterior Roof			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %			
364	117101584-204	Yes	40 %
Location: Larger Out Bldg Exterior Roof			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %			
365	117101584-205	Yes	40 %
Location: Larger Out Bldg Exterior Roof			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray/White, Heterogeneous, Fibrous, Cementitious, Bulk Material Asbestos Types: Chrysotile 40.0 % Other Material: Non-fibrous 60 %			
366	117101584-206	Yes	4 %
Location: Gas Out Bldg			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 96 %			
367	117101584-207	Yes	4 %
Location: Gas Out Bldg			(by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 96 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
368 Location: Gas Out Bldg	117101584-208	Yes	4 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 96 %			
369 Location: Gas Out Bldg Ent Gas Line	117101584-209	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Beige/Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Synthetic fibers 60 %, Non-fibrous 40 %			
370 Location: Gas Out Bldg Ent Gas Line	117101584-210	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Beige/Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Synthetic fibers 60 %, Non-fibrous 40 %			
371 Location: Gas Out Bldg Ent Gas Line	117101584-211	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Beige/Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Synthetic fibers 60 %, Non-fibrous 40 %			
372 Location: Gas Out Bldg Ent Roof	117101584-212L1	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Shingle Asbestos Types: Other Material: Fibrous glass 8 %, Non-fibrous 92 %			
372 Location: Gas Out Bldg Ent Roof	117101584-212L2	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Green, Heterogeneous, Non-Fibrous, Shingle Asbestos Types: Other Material: Cellulose 25 %, Non-fibrous 75 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
373 Location: Gas Out Bldg Ent Roof	117101584-213L1	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Shingle Asbestos Types: Other Material: Fibrous glass 8 %, Non-fibrous 92 %			
373 Location: Gas Out Bldg Ent Roof	117101584-213L2	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Green, Heterogeneous, Non-Fibrous, Shingle Asbestos Types: Other Material: Cellulose 25 %, Non-fibrous 75 %			
374 Location: Gas Out Bldg Ent Roof	117101584-214L1	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Gray, Heterogeneous, Non-Fibrous, Shingle Asbestos Types: Other Material: Fibrous glass 8 %, Non-fibrous 92 %			
374 Location: Gas Out Bldg Ent Roof	117101584-214L2	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Green, Heterogeneous, Non-Fibrous, Shingle Asbestos Types: Other Material: Cellulose 25 %, Non-fibrous 75 %			
375 Location: Shack Next To Gas Bldg Metal Windows	117101584-215	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Pink/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
376 Location: Shack Next To Gas Bldg Metal Windows	117101584-216	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Pink/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

CEC-17-20; CEC; Newell Porcelain Plant

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
377 Location: Shack Next To Gas Bldg Metal Windows	117101584-217	No	NAD (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Pink/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
378 Location: Shack Next To Gas Bldg	117101584-218	Yes	60 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Non-fibrous 40 %			
379 Location: Shack Next To Gas Bldg	117101584-219	Yes	60 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Non-fibrous 40 %			
380 Location: Shack Next To Gas Bldg	117101584-220	Yes	60 % (by CVES) by John S. Shearwood on 10/23/17
Analyst Description: Black/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 60.0 % Other Material: Non-fibrous 40 %			

Reporting Notes:

Analyzed by: Jean L. Mayes  Date: 10/23/2017 Reviewed by 

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.



5320 N. Pioneer Road
 Gibsonsia, PA 15044
 Phone: 724-444-3460 Fax: 724-444-3463

COPY

Chain of Custody Form

SAMPLE	LAB ID NUMBER	TYPE OF ANALYSIS	TURNAROUND TIME
161		PM Asbestos	Standard
380			

Project Site: Newell Personnel Plant Sampler Signature: EJTB JN# CEC-17-20
 Phone: _____ Fax: _____

Client / Address: CEC Date: 10-13-17 Time: 1343
 Relinquished By: Edgar Kws Date: 10/13/17 Time: 2:00pm
 Relinquished By: Alley Bevel Date: _____ Time: _____
 Received By (AmeriSci) _____ Date: _____ Time: _____

Additional Information:

- Please indicate Mid Atlantic's job # on all results and invoices
- Email results to midatlantic@zoominternet.net



5320 N. Pioneer Road
 Gibsonsia, PA 15044
 Phone: 724-444-3460 Fax: 724-444-3463

117101584

Chain of Custody Form

SAMPLE	LAB ID NUMBER	TYPE OF ANALYSIS	TURNAROUND TIME
161		PLM Asbestos	Standard
310			

Project Site: Newell Amelawn Plant Sampler Signature: [Signature] JN# CEC-17-20
 Client / Address: CEC Phone: _____ Fax: _____
 Relinquished By: [Signature] Date: 10-13-17 Time: 1343
 Relinquished By: [Signature] Date: 10/13/17 Time: 2:00pm
 Received By (AmeriSci) _____ Date: _____ Time: _____

- Additional Information:
- Please indicate Mid Atlantic's job # on all results and invoices
 - Email results to midatlantic@zoominternet.net

RECEIVED
 OCT 16 2017
 By [Signature]

Appendix D – Accreditation



WEST VIRGINIA

Asbestos Program

Edgar J. King

IS LICENSED AS AN
ASBESTOS INSPECTOR

License #: AI009156

Issued: 3/13/2017

Expires: 3/31/2018

Walter M. Drey

Director
WV OEHS

WEST VIRGINIA

Asbestos Program

Timothy E. Daniels

IS LICENSED AS AN
ASBESTOS PROJECT
DESIGNER



License #: AD003952

Issued: 10/10/2017

Expires: 10/31/2018

Walter M. Arvey

Director
WV OEHS

APPENDIX B
CONTRACTOR COST ESTIMATES
