

Project No. 11103.30

(PWSA USE ONLY)

**THE PITTSBURGH WATER AND SEWER AUTHORITY
ENGINEERING AND CONSTRUCTION DIVISION**

PWSA REC
AUG 17 2011
mc

WATER AND SEWER USE APPLICATION

(Return completed submittal package to The Pittsburgh Water and Sewer Authority (PWSA), Engineering and Construction Division)

This application is used for commercial or residential projects that propose connecting to the PWSA water or sewer system or propose changing the amount of PWSA water consumed and/or flows discharged to the PWSA sewer system.

A. GENERAL INFORMATION

1. Name of Land Development Project TALD BELL
Location of land development project. Use landmark or address, if available (e.g., north side of Liberty Ave 75 ft. east of intersection of Liberty Ave and 6th St.) 705 ALLEGHENY AVE., NORTHWEST CORNER OF
INT. OF ALLEGHENY AVE. & RIDGE AVE.
2. Nature of Development. Check appropriate box and provide total flows.

	Total Water Consumption (gpd)	Total Sanitary Flows (gpd)	Total Storm Flows (cfs)
<input type="checkbox"/> Residential			
<input checked="" type="checkbox"/> Commercial	<u>2000</u>	<u>2050</u>	<u>2.25</u>
3. Acreage of development _____ acres
4. Allegheny County Block & Lot Nos. BLOCK 7H, LOTS 27, 31, 32
5. Ownership of Land Development

Name <u>BPPD, LLC.</u>	Address <u>761 OSAGE RD., PITTSBURGH, PA 15243-1039</u>
---------------------------	--
6. Applicant (Subdivider, Developer, or Responsible Project Agent)

Name <u>GLAUS, PYLE, SCHOMER, RUONS & DEHANEY, INC., TEND HUNTINGTON</u>
Address <u>520 S. MAIN ST., STE. 2531, ALBION, OH 44711</u>
Telephone <u>330-572-2207</u>

B. WASTEWATER AND STORMWATER FACILITIES

Provide information on collection and treatment facilities.

1. COLLECTION SYSTEM
 - a. Number of proposed connections (sanitary and/or storm) (1) STORM - (1) SANITARY
 - b. Name of existing collection or conveyance system RIDGE (STORM) - ALLEGHENY (SAN)
 - c. Name of interceptor ALLEGHENY RIVER
 - d. Name of treatment facility ALLEGHENY PLANT AT WOODS RUN
2. SITE PLAN (24" x 36" maximum size accepted)
The following information is to be submitted on a site plan of the proposed subdivision.

a. Existing building.	f. Existing and proposed right(s)-of-way.
b. Lot lines and lot sizes.	g. Existing and proposed street, roadway, etc.
c. Remainder of tract.	h. Water bodies and wetland areas.
d. Orientation to North.	
e. Show proposed sewer line to the point of connection to existing collection system. Including all components (collection & conveyance lines, pumps, etc.)	


Applicant Signature

08/16/11
Date

Project No. 11103.30
(PWSA USE ONLY)

C. FALSE SWEARING STATEMENT (To be completed by individual completing the form)

I verify that the statements made in the Component are true and correct to the best of my knowledge, information, and belief. I understand that false statements in this Component are made subject to the penalties of 18 PA C.S.A. § 4904 relating to unsworn falsification to authorities.

TACO BELL 705 Allegheny Avenue, 15212
Name of Land Development Project (Same as on Page 1, Section A.1)

JOHN HUNTINGTON
Name (Print)

OWNER REPRESENTATIVE
Title

[Signature]
Signature

520 S. MAIN ST., STE. 2531, AUBURN, OH 44301
Address

330-572-2207
Telephone Number

08/16/11
Date

D. CHAPTER 94 CONSISTENCY (See PA Department of Environmental Protection Current Regulations)

The following certification is to be completed by the Pittsburgh Water and Sewer Authority agent and agency responsible for completing the (DEP) Chapter 94 report for the collection, conveyance, and treatment facilities.

I/we certify that the sewerage facilities proposed to serve the new land development described in this Planning Module are in compliance with the provisions of DEP Chapter 94, Municipal Wasteload Management and have adequate capacity to serve the sewage flows to be generated by this development, without creation of an overload or projected overload.

Collection System

Conveyance and Treatment

Michelle E. Carney 8/18/2011
Signature of Responsible Agent Date
Pittsburgh Water and Sewer Authority

[Signature] [Signature]
Signature of Responsible Agent Date
ALCOBAN

E. PLANNING AGENCY REVIEW

8/24/2011

City of Pittsburgh Municipal Planning Agency
This development/project has been reviewed and:

- ☐ is consistent
☐ is not consistent (objections attached)

with programs of planning for the area of the proposed development administered by this planning agency under the municipalities Planning Code (53 P.S. § 10101-11202).

Approved: Pittsburgh
Department of City Planning

Zoning Administrator

Date

Stormwater Management

This development/project has been reviewed and:

- ☐ is consistent
☐ is not consistent (objections attached)

With programs of planning for the area of the proposed development administered by this planning agency under the current City of Pittsburgh storm water management regulations.

Approved: Pittsburgh
Department of City Planning

Environmental Planner

Date

County or Joint County Health Department

This development/project has been reviewed and:

- ☐ approval is recommended
☐ approval is not recommended (objections attached)

Approved: County Health
Department

Signature of Responsible Agent

Date

8/25/2011

DEAR REC MC
AUG 17 2011

11103.30

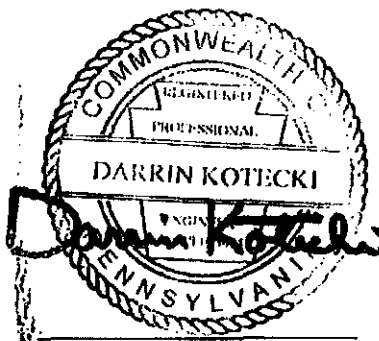
Taco Bell

Project Narrative & Flow Calculation Sheet

The Proposed Site Located at 705 Allegheny Avenue
on the Northwest Corner of the Allegheny Avenue
& Ridge Avenue intersection in Pittsburgh, PA.

Prepared For:
City of Pittsburgh, PWSA

Prepared By:
Glaus, Pyle, Schomer,
Burns & DeHaven, Inc.
520 S. Main Street
Suite 2531
Akron, Ohio 44311
P: 330-572-2100
F: 330-572-2101



Darrin Kotecki, P.E.

08/08/11
Date

Development: Taco Bell – 705 Allegheny Ave., Pittsburgh, PA

Applicant: GPD Group ~ Todd Huntington, P.E. (Consulting Engineer/Owner Rep.)

Project Narrative:

This Taco Bell store will be developed and operated by Aarsand Management, a franchisee of Taco Bell. Taco Bell, as lessee of the subject 0.451 Acre Parcel located on the NW corner of the Allegheny Ave. and Ridge Ave. intersection, proposes to construct a single story, 2,556 SF Taco Bell Restaurant with drive-through. The site is currently owned by BPPD, LLC. This site was previously operated as a BP Gas Station, however, the building is now vacant. The site is currently leased to the local community college as overflow parking. The gas station islands and canopy have been demolished, but the building still remains, although is non-operational.

The Taco Bell restaurant with Drive-Thru, after construction completion and opening, will operate seven (7) days a week; Monday through Sunday, and will tentatively operate during the hours of 10AM to 3AM. The hours of operation will be established by the Taco Bell franchisee prior to opening. The TB's plumbing design includes twenty-eight (28) plumbing fixtures as follows:

- Water Closet – Three (3)
- Urinal – One (1)
- Lavatory – Two (2)
- Hand Sink – Two (2)

-
- Prep Sink – One (1)
 - 3-Compartment Sink – One (1)
 - Hose Bibb – Two (2)
 - Water Filtration Unit – One (1)
 - Floor Drain – Seven (7)
 - Hub Drain – One (1)
 - Floor Sink – Five (5)
 - Mop Sink – One (1)
 - Rethermalizer – One (1)
 - Total – Twenty-eight (28)

Survey evidence shows that the site is serviced by PWSA water mains and combined sanitary and storm sewers, and this was verified by the Water and Sewer Availability form which was acknowledged by your office. The existing water service connection will be terminated with this proposal, as well as the existing sanitary lateral. The intent is to install new water service onto Ridge Ave, new storm connection to Ridge Ave, and a new sanitary sewer onto Allegheny Ave. The existing water main on Ridge Avenue is an 8" main. The existing sanitary main in Allegheny Avenue is an 8" main that was installed by Wendy's, and dedicated to the City (PWSA). The existing storm line within Ridge Avenue is a combined 18" main.

The following sanitary flow calculations were estimated using the PWSA Procedures Manual for Developers, chapter 1. Storm sewer discharge calculations were also prepared using the Rational Method for a 25-yr storm event, also pursuant to the PWSA PMD; those calculations are provided below:

Calculated Flows:

Storm Flows:

Pavement/Building Area – 0.378 Acres (C=0.95)

Pervious Area – 0.073 Acres (C=0.40)

Total Area – 0.451 Acres

C = 0.86

I = 5.8 in/hr

A = 0.451 acres

Q = CIA = 0.86 x 5.8 in/hr x 0.451 acres = 2.25 CFS

Water Usage Summary (based on Public Fixture Method):

Note: Employees use the same restrooms as the public, so no additional flow is added for employee usage.

- Public Toilet = 400 gpd x (3) toilets = 1200 gpd
- Sinks = 200 gpd x (2) sinks = 400 gpd
- Urinals = 200 gpd x (1) urinal = 200 gpd
- Mop Sink = 200 gpd x (1) mop sink = 200 gpd
- Total Usage = 2000 gpd

Total Water Usage = 2000 gallons per day

Sanitary Flows (based on Public Fixture Method + HVAC condensate):

Note: Employees use the same restrooms as the public, so no additional flow is added for employee usage. HVAC condensate which drains to the mop sink from both RTU's has been added to the 2,000 gallons of water usage to reach the total sanitary flow from this building.

- Public Toilet = 400 gpd x (3) toilets = 1200 gpd
- Sinks = 200 gpd x (2) sinks = 400 gpd
- Urinals = 200 gpd x (1) urinal = 200 gpd
- Mop Sink = 200 gpd x (1) mop sink = 200 gpd
- Condensate from RTU's = 50 gpd
- Total Sanitary Flow = 2050 gpd

Total Sanitary Flow = 2050 gallons per day

(Condensate Calculations have been provided as a supplement to the 50 gpd shown above. Calculations include condensate between the months of March to October when the RTU's are in use. To be conservative, the largest condensate gpd figure of 50 gpd (49.56) has been utilized to contribute to the sanitary flow.)