



## **Stony Brook University**

### **Snow Events Planning** (as of 12/15/19)

In order to effectively respond to snow events, contract vendor responsibilities are separated between Stony Brook University's three Facilities Operations groups (East Campus, West Campus, and Residences). Snow removal needs vary among these groups, and there are no local snow removal contractors who could effectively service the campus in its entirety. Although separated by contracts, all efforts are coordinated with the assistance of the EOC (Emergency Operations Center) at UPD. The EOC serves as the communication hub for severe weather events where forecasts and campus conditions are continually monitored, and resources are distributed accordingly.

West Campus and Residential Operations manage their staff on-site during severe weather events and remain until all snow removal efforts are complete. Managers may be assigned rotating shifts for extended weather events. Managers are responsible for coordinating heavy equipment snow removal efforts and hand shoveling. They are also responsible for communicating with the EOC, and managing all resources associated with snow removal. East Campus Operations has similar procedures.

West Campus Operations is responsible for managing and tracking the salt usage of each of the campus groups.

Snow and ice complaints are reported into 631.632.6400 for West Campus, 631.632.9585 for Residences, and 631.444.2400 for East Campus.

#### **West Campus / Residences**

For West Campus/Residences, snow clearing is done in the following priority order:

- a. Main roads (Circle Road, Marburger Drive, South Drive, Shirley Kenny Drive, etc.)
- b. Secondary roads (Campus Drive, Engineering Drive, Toll Drive, etc.)
- c. Parking lots with priority to ADA designated parking spots
- d. South P Lot gas pumps
- e. Primary walkways / pathways (along the main roadways)
- f. Building entrances
- g. Loading docks/Food Service areas
- h. Trash and recycling dumpsters and enclosures
- i. Fire Hydrants / Fire Dept Connections (FDC) at buildings
- j. Bus Stops
- k. Bollards
- l. Storm Drains
- m. Remote blue light phones
- n. All other non-priority pedestrian paths (along secondary roads and between buildings)

Priorities can change depending on the severity and timing of the storm, and current occupancies within the residences. Priorities may also change depending on areas which may house students with known mobility needs.

Stony Brook University custodial personnel, as per their position descriptions, are required to remove snow from all non-contracted buildings. They are required to shovel the snow from their assigned building entrances, steps, stairways, handicapped ramps, walkways, sidewalks, and any other areas unreachable by the snow-removal equipment. They are required to dispense ice melt where required and when needed.

During snow events, West Campus Facilities Operations operates the following 16 pieces of campus snow equipment:



- a. Four (4) Toro Tractors - Clears the Academic Mall and associated pathways, Engineering Mall and associated pathways, Admin loop walkway, Humanities rear walkways, SBS paver areas around building, Main Entrance walkway at the south exit to Nichols Rd, Chemistry front entrance, Walkway along Toll Dr, South Campus walkways, Physics and Math Tower plaza and walkway areas
- b. Two (2) Skid Steer Loaders - Clears bike paths along Circle Rd, Marburger walkway, the north entrance walkway, and heavy difficult to get to snow areas
- c. Three (3) Pickup Trucks with plows - Clears small parking lots, and similar areas as the Toro Tractors and the Skid Steer Loaders contingent on accessibility and maneuverability
- d. One (1) Pickup Truck with sander - Sands small parking lots, Academic Mall, and walkways
- e. Two (2) 6-Wheel Dump Trucks with plows - Clears small parking lots, roads, and walkways
- f. One (1) Vent Trac Tractor - Clears similar areas as the Skid Steer Loaders
- g. One (1) New Holland Tractor - Clears similar areas as the Skid Steer Loaders
- h. One (1) Pay-Loader - Moves heavy snow and loads trucks with salt
- i. One (1) older Toro Tractor - Stationed at the Greenhouse to clear snow at R&D campus buildings (i.e. RSS, CEWIT, AERTC and IDC)

### **Contracted Snow Removal Equipment Responsibility**

Contractors will be directed to pre-salt all campus roads prior to the onset of a winter storm depending on conditions, and at the discretion of Operations Management. Contractors are directed to stage equipment on campus prior to a weather event if forecasts call for substantial snow fall or severe icing conditions. Both contractors for Residences and West Campus will each stage 20-30 snow-removal vehicles around the campus. These vehicles include:

- Ten-wheeled trucks equipped with snow blades and sanders for the continual clearing of Circle Road and any other main roadway
- Six-wheeled trucks equipped with snow blades and sanders for the continual clearing of the secondary roads, and assisting with the main roads when necessary
- Pay-loaders equipped with snow blades for the continual clearing of the parking lots and removal of excess snow piles
- Pickup trucks equipped with snow blades to continually clear all pathways
- Skid-steers equipped with buckets to continually clear all pathways. Skid-steers will also assist with the clearing of the parking lots when there are cars present on campus because of the timing of the storm.

Contractors may be directed to supply equipment dedicated to areas which require specific needs (i.e. Academic Mall, Residential inner quads, Admin Garage, dining loading docks, etc.). The decision to deploy this equipment is typically driven by residential occupancies and the academic calendar (classes vs no classes).

A separate contractor is responsible for our off-site properties and is managed by West Campus Operations. Our off-site properties include: Sunwood, Attwood Cottage, Shorewood, Childs Mansion, Flax Pond, and 129 Old Field Road. This contractor is responsible for hand-shoveling, snow blowing, plowing and the distribution of ice-melt.

### **Contracted Hand-Shoveling Responsibility**

Contractors will be directed to supply 30-40 hand-shovelers, depending on the severity of the storm. The hand-shovelers will augment our in-house custodial staff to remove snow and spread ice-melt to building entrances/exits, steps, stairways, handicapped ramps, walkways, sidewalks, curb cuts, bus stops, blue light phones, fire hydrants, storm drains and any other areas unreachable by snow-removal vehicles.



**\*Note:** During snowstorms, we prioritize the removal of snow and ice from accessible entrances to buildings. Additionally, all plowing and snow-removal crews have been informed that piling snow in handicapped parking spaces is a violation of the ADA.