

**Town of Andes
Oct. 12, 2010**

Monthly Meeting

**Town Hall
7:30 P.M.**

PRESENT:

**Councilman Ritchie Gabriel
Councilman Daniel Grommeck
Councilman Martin Liddle
Councilman Shayne Moshier
Supervisor Martin A. Donnelly
Town Clerk Janis L. Jacques
Highway Supt. Michael McAdams
Assessor Tina Moshier
Justice Joseph R. Grieco
Town Bd. Bookkeeper Meg Hungerford
Keough Consulting Marge Merzig**

ALSO:

**T. W. Coddington {Walton Reporter}
Greg Toler {Otsego Iron & Metal}**

CALL TO ORDER:

Supervisor Donnelly called the meeting to order at 7:30 P.M..

PLEDGE:

The Pledge of Allegiance was recited lead by Councilman Gabriel.

MOMENT OF SILENCE:

In honor of George Hall who recently passed away. George was very active in the community, the school and worked setting & attending to our voting booths for Town Elections. Our thoughts and condolences to his family. George will be missed by many.

Town of Andes Highway Report

Michael R. McAdams, Highway Superintendent

October 12, 2010

Equipment:

All ten wheelers have been greased.

Loader and backhoe have been greased, oil changed in Loader

2009 Rear window broken, will be installing new window

Ford 550 – Needs new starter

Roads:

Numerous roads, from the recent flooding, have been damaged.

Need headwalls on tubes, need gravel on several roads.

I would like the town roads to be declared a "state of emergency"

We will only be buying material to make the roads safe for this year.

Approximately 20 tubes in the Town of Andes need to be replaced so that the constant flooding does not happen over and over again. I will be asking DPW to do some Hydraulic studies for some of these sights, so that we can get the right size tube in the right place.

Miscellaneous:

Road work for the month is attached.

Respectfully Submitted,

Michael R McAdams, Highway Superintendent

Highway Report 9/15/10- 10/12/10

Road Work

Dingle Hill – Ditched road from Tremperskill to Vicky Bush's house. Hauled ditching to ken Bauer's house. Roger JD Grader, Tom JD Backhoe, Brad 09 Int. 4x4. 9/16/10

Canada Hollow – Hauled Crusher Run to fix various sections of road 46 Loads. Robert 00 Int. 7 Loads, Brad 99 Int. 6 Loads, Tom 04 Int. 2 Loads – 9/7/10, Brad 04 Int. 7 Loads, Tom 99 Int. 7 Loads, Robert 00 Int. 6 Loads – 9/8/10, Brad 04 Int. 7 Loads – 9/14/10, Brad 04 Int. 2 Loads, Robert 00 Int. 2 Loads – 9/15/10.

Perch Lake Road – Hill by Lor's – Completed 9/21/10 Roger JD Grader,

Doig Hollow Road – Completed 9/22/10 Roger JD Grader

Road Mowing

Doig Hollow – Dan – Mowed Grass and brush along roadway 9/16/10

Grommeck Road – Dan – Mowed Grass and Brush along roadway 9/20/10

2010 Flood Work

Job Site	Employee	Time Spent	Date	Equipment	Material (12 YDS Per)
Office Dispatch	Robert Smith	11	1-Oct		Damage Assessment
Wolf Hollow Site # 1	Roger Robson	12.5	1-Oct	322	Reshaping Road/Fixing Holes
	Dan Melvin	8	2-Oct	315	6 Loads Gravel
	John Bouton	8	2-Oct	313	5 Loads Gravel
	Brad Darling	4	2-Oct	324	4 Loads Gravel
	Tom Brainerd	5	2-Oct	333	Cleaned Pipes Filled Holes
	Roger Robson	5	2-Oct	322	Graded Gravel
Wolf Hollow Site # 2	Dale Henderson	8	2-Oct	323	Rolled Road
	Dale Henderson	1.5	2-Oct	323	Rolled Road
	Roger Robson	4	2-Oct	322	Graded Gravel
	Tom Brainerd	5	2-Oct	333	Cleaned Pipes Filled Holes
	Dan Melvin	1.5	2-Oct	315	1 Load Cobbles
	John Bouton	2	2-Oct	313	1 Load Cobbles
Fall Clove Rd Site # 1	Brad Darling	2.5	2-Oct	324	1 Load Gravel
	Tom Brainerd	3	1-Oct	333	Cleaned Pipes Filled Holes
	Arthur Melvin	6.5	2-Oct	317	Filled In Shoulder with Gravel
Turkey Valley	Brad Darling	3	2-Oct	324	2 Loads Gravel
	Roger Robson	3	1-Oct	324	3 Loads Rubble
Barnes Hill Rd	Tom Brainerd	2	1-Oct	333	Graded Rubble in Hole
	Dale Henderson	2	4-Oct	324	1 Load Gravel
Butler Road	John Bouton	2	4-Oct	313	1 Load Gravel
	Dan Melvin	2	4-Oct	315	1 Load Gravel
	Arthur Melvin	10	4-Oct	317	Graded Gravel / Worked Road
	Tom Brainerd	2	5-Oct	323	Rolled Road
	Robert Smith	2	2-Oct	314	Cleaned Pipes Filled Hole
Gladstone Hollow Rd	Tom Brainerd	2	1-Oct	333	Cleaned Pipe Fixed Shoulder
	Tom Brainerd	3	4-Oct	333	Cleaned/Fixed Driveway pipe
Old Gladstone Hollow	Robert Smith	3	4-Oct	327	1 load Gravel fixed driveways
	Tom Brainerd	1.5	4-Oct	333	Cleaned Pipes Filled Holes
Hyzer Hill Road	Robert Smith	1.5	4-Oct	327	Cleaned Pipes Filled Holes
	Tom Brainerd	1.5	4-Oct	333	Cleaned Pipes Filled Holes
Biggar Hollow	Robert Smith	1.5	4-Oct	327	Cleaned Pipes Filled Holes
	Tom Brainerd	1.5	4-Oct	333	Cleaned Pipes Filled Holes
Calhoun Hill Rd	Robert Smith	1.5	4-Oct	327	Cleaned Pipes Filled Holes
	Tom Brainerd	1.5	4-Oct	333	Cleaned Pipe Filled Holes
Kovba Road	Robert Smith	1.5	4-Oct	327	Cleaned Pipe Filled Holes
	John Bouton	12.5	1-Oct	313	6 Loads Rubble
	Dan Melvin	1.5	1-Oct	315	1 Load Rubble
	Dan Melvin	10	1-Oct	332	Graded Loads/Loaded Trucks
Brace Hollow Rd	Arthur Melvin	11.5	1-Oct	324	5 Loads Rubble
	John Bouton	8	4-Oct	313	Hauled Ditching
	Dan Melvin	8	4-Oct	315	Hauled Ditching
	Roger Robson	10	4-Oct	322	Ditched/Fixed Holes
	Brad Darling	10	4-Oct	332	Picked up Ditching
	Robert Smith	4	5-Oct	332	Picked up Ditching
	Roger Robson	3	5-Oct	322	Ditched/Fixed Holes

2010 Flood Work

05

Job Site	Employee	Time Spent	Date	Equipment	Material (12 YDS Per)
Brace Hollow Rd	John Bouton	4	5-Oct	313	Hauled Ditching
	Dale Henderson	2	5-Oct	324	Hauled Ditching
	Dan Melvin	4	5-Oct	315	Hauled Ditching
Stevens Road	Dale Henderson	2	5-Oct	324	Hauled Ditching
	Arthur Melvin	5	5-Oct	317	Worked Road
	Roger Robson	3	5-Oct	322	Ditched/Fixed Holes
	Robert Smith	1	5-Oct	332	Picked up Ditching
Fish Hollow Rd	Dale Henderson	1	5-Oct	324	Hauled Ditching
	Dale Henderson	1	5-Oct	324	1 Load Gravel
	Arthur Melvin	5	5-Oct	317	Graded Gravel/Ditched
	Dan Melvin	1.5	5-Oct	315	1 Load Gravel
	Dan Melvin	2.5	5-Oct	315	Hauled Ditching
	Tom Brainerd	8	5-Oct	323	Rolled Road
	John Bouton	1	5-Oct	313	Hauled Ditching
Skunk Hollow Rd	John Bouton	4	5-Oct	313	Hauled Ditching
	Robert Smith	5	5-Oct	332	Picked up Ditching
	Roger Robson	4	5-Oct	322	Ditched/Fixed Holes
	Dan Melvin	2	5-Oct	315	Hauled Ditching
	Dale Henderson	1	5-Oct	324	Hauled 3'40' Culvert to site
Bussy Hollow Site # 3	John Bouton	1	5-Oct	313	1 Load Cobbles for culvert
	Tom Brainerd	10	6-Oct	333	Installed Plastic 3'x40'
	Dan Melvin	1.5	6-Oct	315	1 load Cobbles
	Dan Melvin	1.5	6-Oct	328	1 Load Millings
	Dan Melvin	7	6-Oct		Helped Install culvert
	Robert Smith	5	6-Oct	332	Loaded Ditching
Shaver Hollow Rd	Arthur Melvin	5	6-Oct	324	Hauled Ditching
	John Bouton	3.5	6-Oct	313	Hauled Ditching
	Roger Robson	4	6-Oct	322	Ditched/Fixed Holes
Fall Clove Rd Site # 1	Arthur Melvin	2.5	6-Oct	327	1 Load Gravel fixed Shoulders
	Roger Robson	1	6-Oct	322	Filled In Shoulder with Gravel
Fall Clove Rd Site # 2	Arthur Melvin	2.5	6-Oct	327	1 Load Gravel fixed Shoulders
	Roger Robson	1	6-Oct	322	Filled In Shoulder with Gravel
Turkey Valley	Dale Henderson	5.5	6-Oct	324	2 Loads Gravel fixed Hole
	John Bouton	5	6-Oct	313	2 Loads Bankrun Gravel
	Roger Robson	3	6-Oct	322	Graded Gravel/Fixed Culvert
Andes Pit	Robert Smith	4	6-Oct	332	Loaded Trucks/Stockpiled
Gladstone Hollow Rd	Robert Smith	2	7-Oct	332	1 yard crusher run/ fixed bridge
Bussey Hollow Site # 1	Dan Melvin	7	7-Oct	307	Rebuilt Headwalls
	Tom Brainerd	7	7-Oct	333	Rebuilt Headwalls
Bussey Hollow Site # 2	Dan Melvin	3	7-Oct	307	Rebuilt walls
	Tom Brainerd	3	7-Oct	333	Rebuilt walls
Wolf Hollow Site #7	Robert Smith	8	7-Oct	315	9 Loads Rubble/Rebuilt Road
	Dale Henderson	5	7-Oct	313	5 Loads Rubble/Rebuilt Road
	Arthur Melvin	5	7-Oct	324	5 Loads Rubble/Rebuilt Road
	Mike McAdams	10	7-Oct	Dozer	Rebuilt Road

2010 Flood Work

<u>Job Site</u>	<u>Employee</u>	<u>Time Spent</u>	<u>Date</u>	<u>Equipment</u>	<u>Material (12 YDS Per)</u>
Permit Work	Brad Darling	10	6-Oct		Checked Site's/DEC Permits
Permit Work	Brad Darling	10	7-Oct		Checked Site's/DEC Permits
Dingle Hill Road	Dale Henderson	3	7-Oct	324	1 Load Gravel/Fixed Shoulders
	Arthur Melvin	3	7-Oct	322	Fixed Shoulders
Weaver Hollow	Arthur Melvin	2	7-Oct	324	Fixed Shoulders

HIGHWAY:

Greg Toler from Otsego Iron & Metal presented a bill to the Town Board for FEMA work in Oct. of 2009. Supt. McAdams advised that it will be turned in for payment.

EXECUTIVE SESSION:

MOTION made by Councilman Liddle second by Councilman Gabriel to enter Executive Session.

VOTE: ALL AYE. So carried.

REASON: Legal

TIME: 7:45 P.M.

MOTION made by Councilman Grommeck second by Councilman Moshier to exit Executive Session.

VOTE: ALL AYE. So carried.

TIME: 8:15 P.M.

PRIVILEGE OF THE FLOOR:

None.

FROM THE TOWN CLERK:

I will temporarily be out of my office. My Deputy, Sharon Drew, will be in the office. Please check with her for the hours she will be there.

Next Town Board Meeting - Tuesday - Nov. 9th @ 12:30 P.M.

Respectfully submitted;

Janis L. Jacques
Andes Town Clerk

MOTIONS:

MOTION made by Councilman Moshier second by Councilman Gabriel, that upon the recommendation of Delaware Engineering, to award the Bid for FEMA project DR#1710 PW 50/110 Holiday Brook Culvert to Vacri Construction of Binghamton, N.Y. in the amount of \$283,000.00 to be completed by Nov. 12, 2010.

VOTE: ALL AYE. So carried.

MOTION made by Councilman Liddle second by Councilman Moshier To authorize Supv. Donnelly to sign the audit draft from Gruver & Scott.

VOTE: ALL AYE. So carried.

RESOLUTIONS:**RES. #33 AUTHORIZATION FOR JUSTICE COURT FUNDING**

BE IT RESOLVED that; Town of Andes Justice - Joseph R. Grieco - is HEREBY authorized to submit an application for funding through the Justice Assistance Program for the 2010 cycle.

BE IT FURTHER RESOLVED that; said funding received shall be used to enhance the Justice Courts ability to provide suitable & sufficient services to the Town of Andes.

**Proposed by Councilman Gabriel
Second by Councilman Grommeck**

ROLL CALL:

**Councilman Gabriel
Councilman Grommeck
Councilman Liddle
Councilman Moshier
Supv. Donnelly**

VOTE: ALL AYE. So carried.

MINUTES:

MOTION made by Councilman Liddle second by Councilman Grommeck to approve the minutes.

VOTE: ALL AYE. So carried.

REPORTS:

MOTION made by Councilman Gabriel second by Councilman Liddle to approve the following reports: Sept. Town Board Bookkeeper's Financial Report, Sept. Town Clerk's Financial Report, Sept. Justice Financial Report, Sept. Building Dept. Report, Sept. Highway Report & Sept. D.C.O. Report.

VOTE: ALL AYE. So carried.

WARRANTS:

MOTION made by Councilman Moshier second by Councilman Liddle to approve the following Warrants:

General	#300-#337	\$45,330.87
Highway	#204-#222	44,054.33
FEMA	#6-ONLY	6,517.50
Water District	#49-#54	1,601.88
WWTP	#168-#189	88,761.57

VOTE: ALL AYE. So carried.

DELAWARE OPERATIONS, INC.

8-12 Dietz Street, Suite 303, Oneonta NY 13820 • Phone 607-432-8073 • FAX 607-432-0432

**TOWN OF ANDES, NY
TOWN BOARD MEETING
REPORT BY DELAWARE OPERATIONS
October 12, 2010**

1. Water System

- Daily usage of treated water from the water system averaged 20,100 gallons per day for the month of September 2010.

2. Plant Purchases

3. O&M

4. Equipment

5. Spring House Upgrade

6. Storm

- A tree at the Spring Reservoir fell through the fence. I feel the other tree in that area should be taken down to protect the building. Mr. Donnelly contacted the Sluiter Agency for a claim. I will get pricing to remove the tree and to repair the fence.

DELAWARE OPERATIONS, INC.

8-12 Dietz Street, Suite 303, Oneonta NY 13820 • Phone 607-432-8073 • FAX 607-432-0432

**TOWN OF ANDES, NY
TOWN BOARD MEETING
REPORT BY DELAWARE OPERATIONS
October 12, 2010**

1. WWTP Plant

- Plant effluent flows averaged 32,340 gallons per day for the month of September 2010.

2. SPDES Compliance/NYSDEC, NYCDEP

- The plant discharges of treated effluent to the Tremper Kill Brook; permit compliance for September 2010 met all parameters.

3. Collection System

- High Street is being maintained as required.

4. Plant Purchases.

- Delaware Operations requests the approval to purchase 18 M10V modules for the Micro Filtration units from Siemens Water Technologies at a cost of \$43,560.00. This purchase is a directive from the NYCDEP. Twelve modules will be used for replacement of existing modules in one unit. The remaining six will be spares. These modules are no longer manufactured.

5. Plant O&M

6. Plant Equipment

7. Storm

- Attached is a report of the events for the September 30th rainstorm. The treatment plant for October will have several permit violations; bypassing filtration, pumping water on the ground, turbidity minutes above 0.05 ntu for more than 2160 minutes for the month, turbidity greater than 5.0 ntu, effluent flow violation, and possible TSS, ammonia, BOD violations.

DELAWARE OPERATIONS, INC.

8-12 Dietz Street, Suite 303, Oneonta NY 13820 • Phone 607-432-8073 • FAX 607-432-0432

Ms. Suzanne Ports P.E.

October 4,

2010

NYSDEC, Region 4

1130 North Westcott Road

Schenectady, NY 12306-2014

Dear Ms. Ports,

On Thursday September 30 through Friday October 1, 2010 Delaware county receive 5 – 8 inches of rain causing county wide flooding. The Town of Andes received 5.5 inches of rain by 2:50 AM on October 1st and slightly over 7 inches of rain fall overall.

At approximately 1:00 AM on October 1st we received a Post EQ high level alarm. This alarm activation means both SBR's has gone through normal and storm modes and then shut down. Below is a brief description of storm mode operation.

Once in storm mode the SBR's operate as follows:

While SBR A is in settle/decant mode(s) SBR B is receiving influent flow and is in aerating/mixing cycle. Once SBR B's tank level reaches 12 feet, SBR A's decant/waste cycle is ceased and the facility's influent flow is switched from SBR B to SBR A (this occurs even if SBR A has not completed the decant cycle and the waste cycle is skipped). At this point SBR B switches from aeration/mixing cycle to the settle cycle and will continue through the decant until SBR A tank level reaches 12 feet at which point the switching takes place again. This mode of operation will continue until the post EQ tank reaches 9 feet causing SBR shut down. At this point one SBR units continue to receive influent flow while acting as settling tanks and discharges to the post EQ tank through the decant valve.

Due to the magnitude of the storm event we were unable to keep all facility treatment components operational.

Below is a list of actions taken, at the Andes facility, to mitigate the impact of the storm.

- At 2:30 AM, Friday October 1, 2010, both micro filtration units were taken off line reducing reject flows by 21%; which equates to approximately 41 gpm an influent flow of 198 gpm (the influent flow at that time). Both UV units on line at 2:15 AM.
- Placed a drop-in pump into the post EQ basin and pump directly to sand filter C to push more flow through the facility.
- At 3:25 AM both SBR Aqua-Cam units were turned off to prevent to loss of the settled biomass. As the Post EQ levels rise and fall the Aqua-cams units turn on and off (due to activation of the high level probe), this action was causing the

loss of biomass into the post EQ basin, which was then pumped to the sand filters.

- The Influent flow had increased to 225 gpm. Pumped (drop in pump) settled water from SBR to post EQ tank to keep pace with influent flows. Started composite samplers. Manually opened both SBR influent valves to allow continuous in flow. (Influent channel 6" from overflow.)
- By passed muffin monster which increased flow to 243 gpm (approximately 350,000 gpd).
- Due to influent overflowing the manhole in parking lot, floor drains in the facility's buildings and toilet. Influent water was pumped (approximately 88 gpm for 5 hours) from influent channel onto parking lot to prevent damage in the buildings.
- With post EQ water levels continuing to increase using drop in pumps, approximately 120 gpm of post EQ water was pumped onto ground outside SBR building for four hours.
- Inspected collection system and found major flooding in several areas (see attached pictures).
- At 10:10 AM, Friday October 1, 2010, notified NYSDEC of the events taking place. Also notified NYCDEP of the same.
- Kept the sand filters operational by cleaning strainers throughout the day. In order to pace the SBR's back in service, the total influent flows should decrease to between 50 – 55 gpm including reject flow from both the sand and micro filtration to prevent fouling of damage to the micro filtration units. The SBR design Influent flow including reject is 33.3 gpm.
- On Saturday October 2, 2010 at 5:15 AM influent flows decreased to 60 gpm with peaks as high as 70 gpm and the SBR units were placed back in service however due to addition of sand filter reject (18%) flows the SBR basin levels increased too rapidly which in time would have caused them to shut down due to high level. At this point we turned off the sand filters, keeping the flows to the SBR somewhat manageable.
- Ammonia levels on Saturday October 2nd ranged from 1.81 – 2.53 ppm however by Sunday October 3rd the levels had decreased to 0.0 - .54 ppm.
- On Monday October 4, 2010 at 7:00 AM the sand filters were placed back in service however the micro filtration units will be kept off line until influent flows return to a safe level.

The results of the bypass are as follows:

Maximum effluent turbidity	14.94 NTU's
Total minutes >0.5 NTU's	As of Oct. 4 th - Over 4100
Estimated total micro flow Bypassed	As of Oct. 4 th - 376,740 gallons
Estimated Total Sand filter Bypassed	193,000 gallons
Maximum gpm/gpd	243 gpm / 349,920 gpd
Average estimated Inf. Flow for Oct. 1	284,000 Gallons
Average estimated Inf. Flow for Oct. 2	115,000 Gallons
Average estimated Inf. Flow for Oct. 3	105,000 Gallons
Average Inf. Flow for Oct. 4	82,859 Gallons

Both UV units are on line.

NYSDEC, Suzanne Ports, was notified on Friday October 1st at 10:10 AM. On October 4, 2010 at 10:00 AM updated Suzanne Ports on the status of Andes Treatment Plant.

NYCDEP was notified via phone message on Friday October 1st at 10:20 AM. On October 4th NYCDEP contacted the plant operated for an update.

Please contact me if you have any questions or comments regarding this matter.

Thank You,

John Moffett
Director

Cc: Andrew Stor, NYCDEP
Marty Donnelly, Supervisor, Town of Andes
Marge Merzig, Keough Consulting
Lou Dibble, Manager, Delaware Operations Inc.
Shane Boice, Chief Operator, Andes WWTP

**RES.#34 Andes Wastewater Treatment Plant Modifications / Upgrade
SEQRA Lead Agency.**

WHEREAS; the Town Board of the Town of Andes is undertaking a Wastewater Treatment Plant Modifications / Upgrade Project

{ hereinafter referred to as “ The Project “ } to provide improved wastewater treatment facilities in the Andes Sewer District #1 and;

WHEREAS; the Project includes equipment changes and reconstruction of certain processes at the existing Wastewater Treatment Facility on County Highway #1 and;

WHEREAS; the Town of Andes has been notified of a consent order for failures at the WWTP and;

WHEREAS; the Town of Andes is securing funding for the system improvements;

NOW, THEREFORE BE IT RESOLVED BY THE TOWN BOARD OF THE TOWN OF ANDES AS FOLLOWS:

#1. The Town Board intends to proceed with Engineering and Design of the WWTP Improvements.

#2. The Town Board HEREBY authorizes the Supervisor to execute a professional services contract with Delaware Operations.

#3. The Town Board HEREBY authorizes the Supervisor to execute a professional services agreement with bond counsel, local attorney and Keough Consulting for fiscal services.

#4. The Town Board intends to comply with City, State & Federal environmental regulations.

#5. The Town Board HEREBY determines that the Project is an Unlisted Action pursuant to the State Environmental Quality Review Act { SEQRA }, Article 8 of the N.Y. Environmental Conservation law and its implementing regulations, 6 NYCRR Part 617.

#6. The Town Board HEREBY instructs the Supervisor, with the assistance of the consulting engineer, to prepare an Environmental Assessment Form { EAF } and all NEPA documents, notify agencies of the Town Board’s intent to serve as SEQRA lead agency and to further initiate the review of the Project under SEQRA regulations.

#7. The Town Board HEREBY declares itself as SEQRA Lead Agency, provided that no involved agency objects within 30 days of the date of the FEAF was submitted to them.

#8. The Town Board HEREBY authorizes the Supervisor to sign all environmental review and funding documents for the Project on their behalf.

#9. The Town Board HEREBY schedules a Public Hearing scoping session and a Public Hearing on the SEQRA review for Nov. 9, 2010 @ 12:15 P.M. @ Andes Town Hall.

Proposed by Councilman Liddle

Second by Councilman Moshier

ROLL CALL:

Councilman Gabriel-----AYE

Councilman Grommeck---AYE

Councilman Liddle-----AYE

Councilman Moshier-----AYE

Supv. Donnelly-----AYE

VOTE: ALL AYE. So carried.

MOTION made by Mr. Liddle second by Mr. Grommeck to approve the following:

Modules Siemans \$43,560.00

VOTE: ALL AYE. So carried.

ADJOURN:

MOTION made by Councilman Moshier second by Councilman Liddle to adjourn.

VOTE: ALL AYE. So carried.

TIME: 8:30 P.M.

Janis L. Jacques

Janis L. Jacques
Andes Town Clerk
Andes Districts Clerk

Albi Liddle
David Grommeck TC
Martin Moshier TC
Shayne Moshier
Martin Moshier Asst