List of Industries inspected Under NGRBA

(R. Rajkumar)
EE/Sc C

GENERAL SUGGESTIONS for the tanneries, which are the member units of CETP:

- Units are having PETP consists of collection cum equilisation tank, settling tank and SDBs. In the collection cum equalization tank no proper mixing arrangement is provided by the units and also the settling tanks are not having proper distribution system, the waste water is pumped on the top of the tank where the settled solid got disturbed and carries out of the tank.

  The outlet prescribed parameters are more than the inlet because the inlet samples were collected at the collection tank having the depth of 7 to 12 ft, the solids got settled in the collection tank, the effluent is pumped from the bottom of the tank to settling tank and since the settling tank doesn't have distribution system the solids carry over to the outlet happens.

  Units shall have proper mixing system in the collection cum equalization tank, distribution system in the settling tank and also regular removal/cleaning of solid/sludge from the collection tank.

- Units carrying out tanning process from raw to semi-finish/finish leather are carrying out partial segregation only. High TDS stream is not being segregated in any units. Most of the units are having low capacity production, for those units after segregation the treatment of this high TDS stream will be difficult. So some criteria may be fixed depends on the processing capacity of the unit for segregation and treatment of High TDS stream.

- Units carrying out only oiling, milling and dyeing (having drum one or two) doesn't have the authorisation for Hazardous waste generation and their ETP sludge are not being sent to TSDF and its was informed by those units that the sludge is not having the hazardous nature, so the sludge is not taken by the TSDF. But the units are using chemicals in this process, so characteristics study of the sludge may be taken up and accordingly the units may directed to obtain HW authorisation and dispose the waste to TSDF.

- Units carrying out chrome tanning are not having the dedicated channel for collection of chrome bearing waste water. Units shall be directed to have the dedicated channel for the chrome bearing waste water collection.

- Units processing raw hides are not properly carrying out salt removal manually, so the units shall install the mechanical salt removal system before processing.

- All the units are having mechanical flow meter, which can be altered manually, so units shall have magnetic flow meters, with proper recording facility.

- Units are not having/maintaining any records for the raw hide purchase, so the unit shall be directed to maintain the records for raw hide purchase.

- Units are having the flexible pipe line connected from the collection tank to settling tank. Units shall have permanent pipeline system in the PETP.

- Most of the units are not having valid consent under Water & Air Act for many years, the units have applied for renewal of consents to UPPCB. UPPCB shall be directed to issue the consent regularly.

- Presently, the individual units are paying for treatment of the effluent in CETP based on the hides processing capacity. The charges may be applied based on the effluent discharge by implementing the following:
    1. The units shall provide surface channel (to avoid bye-pass of untreated effluent) connected to the CETP conveyance system and have online flow meter at the end of the channel. The flow meters of the individual units shall be maintained by CETP.
    2. Open-able man hole at the end of the sewer line connected to sewerage system/soak pit shall be made to cross-check/avoid any bye-pass of effluent.

(R. Rajkumar)
EE/Sc C

	INSPECTION REPORT OF M/S SHIVA INDUSTRIES

✪ ***General Information & Production Details***		
1.	Name and address of the industry	M/s Shiva Industries. 26 C, site – 1, Panki Kanpur
2.	Name of the occupier/contact person with Telephone	Sh. Suren Suleka 09792155551 Sh. Lakhan Singh 08960204401
3.	Category	Textile
✪ ***Overall Observations:***		
4.	During inspection industry was found non-operational. No concern person is available so information was not collected.	
5.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow	
6.	Date of Inspection :28/10/2013	

	INSPECTION REPORT OF M/S S.A. TANNING INDUSTRIES

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s S.A. Tanning Industries, 3 B part –II, 150 ft Road, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Iftekhar Ahmad a.9935158786 b. c.	
3.	Date/Year of commissioning	1997	
4.	Type of tanning	Chrome & Vegetable Tanning	
5.	Detail of tanning & associated processes	Raw to Finished : soaking-liming-washing-deliming-fleshing- vegetable tanning-Summing-splitting-saving-fat liquoring-dyeing- finish leather.	
6.	Installed processing capacity	No. of hides processed / day-30 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-0.9 tonnes/day	
7.	Present production status	No. of hides processed / day-30 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-0.9 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	20
		Lime	60
		Sodium bi-sulphate	10
		Sulphuric acid	40
		Common salt	100
		BCS (fresh)	15

		Recovered chrome (liquid)	200
		Synthetic, semi-synthetic, Vegetable, fish oil, myrobalan, GS, Powder wattle chest nut	200
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well:1 No. Consented: 16 KLD	
✪ ***Waste Water – Generation & Treatment***			
11	Wastewater generation	Consented: 15 KLD Chrome bearing stream : 0.5 – 0.6 KL	
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partial Segregation High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) :1 KL Primary Treatment Plant detail: <u>Equalization tank</u> : Length :3.0 m Width :3.0 m Depth :3.0 m <u>Clarifier</u> Length : 3.0 m Width: 3.0 m		

	Depth :1.0 m Cone:1.5 m Sludge Drying Beds: 1.8X3.6X1.5 (2No.)					
14.	**Design detail for Secondary Treatment Plant:** Discharge To CETP					
15.	Effluent characteristics(Primary) :					
	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	The unit has not provided distribution system in the settler, while pumping the effluent directly, settling of solids get disturbed. So higher value of TSS is in outlet.
	01	Collection tank cum Equalisation tank	8.3	679.3	3.26	
	02	Final effluent from primary treatment plant	10.4	2621.9	16.98	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	NA	
	Details of D.G Set	Capacity	Acoustic enclosure provided	
		20 KVA (not working)	No	
17	Fuel Consumption	NA		
18	Management of hazardous wastes and other solid waste generation			
	Type of Wastes	Quantity generated	Storage & Disposal	
	Chemical sludge from ETP	30 Kg/day	Bagged in HDPE bags, stored & disposed to TSDF	
	Fleshing, savings & Others(specify) :	50kg/day 15 kg/day	No Storage facility available. Disposed to Glue & leather board makers	
	Member of TSDF (Yes) : UPPWMP-Mem No. 0296 (Ramky)			

✪ ***Status of validity & compliance of consents and authorization***

19	Consent/Authorization	
I	Under Water Act:	Applied
II	Under Air Act:	Applied
III	Hazardous Waste authorization:	Not available

✪ ***Overall Observations:***

20

- Environmental data display board not installed on the main gate of the unit.
- Unit is having 3 drums of size 8 x 8 ft, and 2 paddles of size 8 x 8 ft.
- Unit has not provided dedicated channel for carrying chrome wastewater to CRP.

	• Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated. • During the inspection the PETP was operated. The unit has not provided distribution system in the settler, while pumping the effluent directly, settling of solids get disturbed, which shows higher value in the outlet and proper neutralisation is also not carried out. • Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining record/log book for sludge generation, storage & disposal. • Unit is not having proper storage area/facility for Fleshing & shavings waste and no proper records maintained for generation, storage and disposal. • Unit is not maintaining proper records/log book for water consumption, effluent discharge chemical consumption, raw hides purchase and production details. • Unit is having DG set of capacity 20 KVA without acoustic enclosure. • Unit has applied for renewal of consent under Air Act, 1981 and Water Act, 1974. • Unit is not having for Hazardous Waste Authorization. • Housekeeping is not satisfactory.
✪	***Recommendations/Suggestion:***
21	• Environmental data display board should be installed on the main gate of the unit. • Unit should take necessary steps/modification of PETP and ensure proper neutralisation to achieve the discharge norms. • Unit should provide dedicated channel for carrying chrome wastewater to CRP. • Unit should segregate High TDS effluent from other process effluents and ensure proper treatment of it. • Unit should maintain proper record/log book for sludge generation, storage & disposal. • Unit should have proper storage area/facility for Fleshing & shavings waste and proper records to be maintained for generation, storage and disposal. • Unit should maintain proper records/log book for water consumption, effluent discharge chemical consumption, raw hides purchase and production details. • Unit should install acoustic enclosure for the DG set. • Unit should get renewed consent under Air Act, 1981 and Water Act, 1974 from UPPCB. • Unit should apply/obtain Hazardous Waste Authorization from UPPCB. • Housekeeping should be improved.
22	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23	Date of Inspection :19/10/2013

	INSPECTION REPORT OF M/S SAIRA INDUSTRIES		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s Saira Industries, 35 A , 150 ft Raod, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamad Ahsan a.8081828370 b. c.akmalsons@vsnl.net	
3.	Date/Year of commissioning	1998	
4.	Type of tanning	Chrome & Vegetable Tanning	
5.	Detail of tanning & associated processes	Raw to Wetblue : soaking-liming-washing-deliming-fleshing- tanning- Wet blue on-wards: summing-splitting-saving-fat liquoring-dyeing- finish leather.	
6.	Installed processing capacity	No. of hides processed / day-30 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-0.9 tonnes/day	
7.	Present production status	No. of hides processed / day-30 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-0.9 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	10-12
		Lime	50
		Sodium bi-sulphate	2-3
		Common salt	30
		BCS (fresh)	10-12
		Sulphuric acid	15-20
		Synthetic, semi-synthetic,	Total - 200

		Vegetable, fish oil, myrobalan, GS, Powder wattle chest nut	
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption (M^3/day)	Bore well: 1 No. 24 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	Chrome bearing stream : 1- 1.5 KL Non-chrome bearing stream:18 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partial Segregation High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant CRP (m^3) : CCRU member Primary Treatment Plant detail: <u>Equalization tank</u> : Length :2.1 m Width :1.1 m Depth :3.0 m <u>Clarifier</u> Dia : 2.1 m Depth :2.1 m Cone:1.5 Sludge Drying Beds: 1.2 X 1.2 X 1.2 (2No.)		

14.	**Design detail for Secondary Treatment Plant:** Discharge To CETP				
15.	**Effluent characteristics**: Industry is not in operation. So sampling is not carried out.				
✪	***Air Pollution – Emission Sources & Control***				
16	Sources of air pollution	Boiler		NA	
	Details of D.G Set	Capacity		Acoustic enclosure provided	
		50 KVA (new one. So for not started operating)		yes	
17	Fuel Consumption	Type of fuel		Consumption	Used in
		Diesel		-	-
18	Management of hazardous wastes and other solid waste generation				
	Type of Wastes	Quantity generated		Storage & Disposal	
	Chemical sludge from ETP	7 Kg/day		No storage facility and disposed to TSDF	
	Fleshing, shavings	No data available		No storage facility. Disposed to glue & board makers.	
	Member of TSDF (Yes) : UPPWMP-KNP-HZW-CHW-TSDF Mem No. 0297 (Ramky)				
✪	***Status of validity & compliance of consents and authorization***				
19	Consent/Authorization				
I	Under Water Act:			Applied	
II	Under Air Act:			Applied	
III	Hazardous Waste authorization:			Applied	
✪	***Overall Observations:***				
20	• Unit is having 3 drums of sizes 8 x 8 ft and 1 paddles of size 10 x 8 ft. • Unit has not provided dedicated channel for carrying chrome wastewater to storage tank. • Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated. • Unit is not having proper storage area/facility for PETP sludge, Fleshing and shavings waste and no record is being maintained for generation, storage and disposal • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Unit has applied for renewal of consent under Air Act, 1981 & Water Act, 1974 and authorization for Hazardous Waste. • Housekeeping is not satisfactory.				

	✪ ***Recommendations/Suggestion:***
21	• Unit should remove the soak effluent carrying channel connecting the chrome effluent channel and ensure proper segregation of chrome bearing waste water alone to CRP • Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Unit should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and proper records need to be maintained for generation, storage and disposal. • Unit should obtain valid consent under Air Act, 1981 & Water Act, 1974 and authorization for Hazardous Waste from UPPCB. • Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23	Date of Inspection :19/10/2013

	INSPECTION REPORT OF M/S SHALIMAR LEATHER INDUSTRIES		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s Shalimar Leather Industries, 150 Ft Road Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamad Hasan a.9235557336 b.2463024 c.shalimar@sanchimnit.in	
3.	Date/Year of commissioning	1980	
4.	Type of tanning	Vegetable Tanning	
5.	Detail of tanning & associated processes	Raw to Wetblue : soaking-liming-washing-deliming-fleshing- tanning- Wet blue on-wards: summing-splitting-saving-fat liquoring-finish leather.	
6.	Installed processing capacity	No. of hides processed / day- 75 hides/day Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)- 2.25 tonnes/day	
7.	Present production status	No. of hides processed / day-75 hides/day (while processing made in to two pieces) Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-2.25 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	36
		Lime	120
		Sodium bi-sulphate	3
		Sulphuric acid	3.6
		Synthetic, semi-synthetic, Vegetable, fish oil, myrobalan, GS,	250 kg

		Powder wattle chest nut	
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption (M^3/day)	Bore well : 2 No. 40 KLD(as per consent) Present 55 - 60 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	Consented: 30.2 KLD Present 45 - 50 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: No		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : NA Primary Treatment Plant detail: <u>Equalization tank</u> : Length :2.0 m Width :1.2 m Depth :3.0 m <u>Clarifier</u> Dia : 1.8 m Depth :0.9 m Cone:1.2m Sludge Drying Beds: 1.2 X 0.9 X 1.2 (2No.)		
14.	**Design detail for Secondary Treatment Plant:** Discharge To CETP		
15.	Effluent characteristics(Primary) :		

	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	
	01	Collection cum Equalisation tank	-	-	0.49	
	02	Final effluent from primary treatment plant	8.9	675.6	2.50	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	NA	
	Details of D.G Set	Capacity	Acoustic enclosure provided	
		125 KVA	No	
17	Fuel Consumption	Type of fuel	Consumption	Used in
		Diesel	8-10 LPH	DG set

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	300 Kg/day	No storage facility. Disposed to TSDF
	Fleshing, shavings	45 kg/day	No storage facility
	Member of TSDF : UPPWMP- Mem No. 0390 (Ramky)		

✪ ***Status of validity & compliance of consents and authorization***

19	Consent/Authorization	
I	Under Water Act:	Applied
II	Under Air Act:	Applied
III	Hazardous Waste authorization:	Not available

✪ ***Overall Observations:***

20

- Unit is having 7 drums of sizes 8 x 8 ft.
- Buffalo hide is made into two pieces for processing. So the water consumption & effluent discharge is higher than the consented.
- Unit is not segregating High TDS effluent and other process effluents.
- Unit is not having proper storage area/facility for PETP sludge, Fleshing and shavings waste and no record is being maintained for generation, storage and disposal
- Water meter (mechanical flow meter) installed at the intake and final out let of PETP.
- Unit is not maintaining proper records/log book for water consumption, wastewater discharge, chemical consumption, raw hides purchase and production details.
- Unit is having a DG set of capacity 125 KVA without acoustic enclosure.
- Unit has applied for renewal of consent under Air Act, 1981 & Water Act, 1974.
- Unit has not obtained/applied for Hazardous Waste Authorization.
- Housekeeping is not satisfactory.

	✪ ***Recommendations/Suggestion:***
21	• Unit should get the consent for actual water consumption & wastewater discharge from UPPCB. • Unit should take necessary steps/modification of PETP to achieve the discharge norms. • Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. • Unit should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and proper record is to be maintained for generation, storage and disposal • Unit should maintaining proper records/log book for water consumption, wastewater discharge, chemical consumption, raw hides purchase and production details. • Unit should install acoustic enclosure for the DG set. • Unit should get valid of consent under Air Act, 1981 & Water Act, 1974. • Unit should obtained/apply for Hazardous Waste Authorization. • Housekeeping should be improved.
22	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23	Date of Inspection :19/10/2013

	INSPECTION REPORT OF M/S NEW LIGHT TANNERS		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s New Light Tanners, 59A, 150 ft Road, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Faran Ajnual a.9839900763 b.0515-2823531 c.info@calicoindia.com	
3.	Date/Year of commissioning	1996	
4.	Type of tanning	Chrome Tanning	
5.	Detail of tanning & associated processes	Raw to Wetblue : soaking-liming-washing-deliming-fleshing- tanning- Wet blue on-wards: summing-splitting-saving-fat liquoring-dyeing-buffing-pressing-finish leather.	
6.	Installed processing capacity	No. of hides processed / day- 120 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-3.6 tonnes/day	
7.	Present production status	No. of hides processed / day- 110 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-3.3 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	35
		Lime	100
		Sodium bi-sulphate	35
		Common salt	100
		BCS (fresh)	100
		Recovered chrome (solid)	250
		Synthetic, semi-synthetic,	50

		Vegetable, fish oil, myrobalan, GS, Powder wattle chest nut	100 50
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well: 1 No. 80 - 82 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	Consented 84 KLD Chrome bearing stream : 3 KLD Non-chrome bearing stream: 70 - 72 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partial Segregation High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : 5 KLD Primary Treatment Plant detail: <u>Collection Cum Equalization tank</u> : Length :5.1 m Width :4.05 m Depth :2.7 m <u>Clarifier</u> Dia : 3.0 m Depth :3.0 m Cone:1.0m Sludge collection tank: 3X 2.4 X 1.0m (2 No.) Filter Press : 760 X 760 mm (20 Plates)		

14.	**Design detail for Secondary Treatment Plant:** Discharge To CETP					
15.	Effluent characteristics(Primary) :					
	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	
	01	Equalisation tank	8.7	687.1	15.95	
	02	Final effluent from primary treatment plant	8.3	653.9	8.14	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler(Thermic fluid Heater)		
	Chimney Details	30 mt height		
	APC Equipment Provided	Cyclone dust collector		
	Details of D.G Set	Capacity	Acoustic enclosure provided	
		600 KVA	yes	
17	Fuel Consumption	Type of fuel	Consumption	Used in
		Diesel	50 LPH	DG set
		Coal	500 Kg/day	Boiler

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	140 Kg/day	No storage facility and disposed to TSDF
	Fleshing shavings &	100 kg/day 50 kg/day	No storage facility and disposed to glue & leather board makers
	Member of TSDF : UPPWMP- Mem No. 0302 (Ramky)		

✪ ***Status of validity & compliance of consents and authorization***

19	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	31.12.2013
III	Hazardous Waste authorization:	Applied

✪ ***Overall Observations:***

20

- Unit is having 10 drums in which 3 drums used for tanning of size 9 x 9 ft, 2 drums for liming of sizes 9 x 9 ft & 5 drums for dyeing of sizes 8 x 8 ft.
- Unit has not provided dedicated channel for carrying chrome wastewater to CRP.
- Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated.
- Higher value of TSS in outlet of PETP shows improper operation & maintenance of settling system.

	• Unit is not having proper storage area/facility for PETP sludge, Fleshing and shavings waste and no proper records maintained for generation, storage and disposal • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Unit have valid consent from SPCB for Air Act, 1981 and Water Act, 1974. • Unit has applied for Hazardous Waste Authorization. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21	• Unit should take necessary steps/modification of PETP to achieve the discharge norms. • Unit should have dedicated channel for carrying the chrome effluent to CRP. • Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Unit should have proper storage area/facility for PETP sludge, Fleshing & shavings waste and maintain proper records for generation, storage and disposal. • Unit should obtain authorization for Hazardous Waste from UPPCB. • Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :19/10/2013

	INSPECTION REPORT OF M/S QUAYUM LEATHERS

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Quayum Leathers 16 c 2, 150 ft Road, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Akhtar Quayum a.9839085693 b. c. alliedexims@satyam.net.in	
3.	Date/Year of commissioning	1996	
4.	Type of tanning	Chrome Tanning	
5.	Detail of tanning & associated processes	Raw to finish	
6.	Installed processing capacity	No. of hides processed / day - 60 hides/day Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)-1.8 tonnes/day	
7.	Present production status	No. of hides processed / day-60 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-1.8 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	24
		Lime	60
		Sodium bi-sulphate	-
		Sulphuric acid	18
		Common salt	60
		BCS (fresh)	40
		Recovered chrome (liquid)	5
		Recovered chrome (solid)	-
		Synthetic, semi-synthetic, Vegetable, fish oil, myrobalan, GS, Powder	15 15 5

		wattle chest nut	 5 5
		Any other-	-
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption (M^3/day)	Bore well :1 No. 60 KLD	
✪ ***Waste Water – Generation & Treatment***			
11	Wastewater generation (M^3/day)	Chrome bearing stream & Non-chrome bearing stream:40 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partially segregated High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : 4 KL Primary Treatment Plant detail: <u>Equalization tank:</u> Length : 12.5 ft Width : 9.1 ft Depth : 5.4 ft <u>Clarifier</u> Length: 9.6 ft width : 7.2 ft Depth : 4.3 ft Cone : 6 ft Sludge Drying Beds (area in sq m) : 2.9 m x 2.9 m		
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP		

15.	Effluent characteristics(Primary) :					
	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	The unit has not provided distribution system in the settler, while pumping the effluent directly, settling of solids get disturbed. So higher value of TSS is in outlet.
	01	Equalisation tank	8.54	189	8.16	
	02	Final effluent from primary treatment plant	8.98	637	16.90	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	Generator
	Chimney Details	1 no. Baby boiler 50,000 cal	125 KVA & 50 KVA
	APC Equipments Provided	Stack height 20 mt	Without Acoustic enclosure

17	Fuel Consumption	Type of fuel	Consumption	Used in
		Diesel	50 lits for 8 hrs	Baby boiler
		Diesel	20 lph	DG set

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	50 Kg/day	Stored in room & disposed to TSDF
	Fleshing, shavings waste	Not Available	No storage facility and disposed to animal feed food & leather board makers.
	Member of TSDF : Ramky & Membership No. 227		

✪ ***Status of validity & compliance of consents and authorization***

19	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	Not available
III	Hazardous Waste authorization:	Applied for authorization

✪ ***Overall Observations:***

20

- Unit is having 12 drums in which 4nos presently working of size 7 x 8 ft & 8 nos not working of size 8 x 8 ft and 7 paddles of size 8 x 8 ft.
- Unit is not having proper/dedicated channel for carrying chrome wastewater to CRP.
- Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated.
- During the inspection the PETP was operated. The unit has not provided distribution system in the settler, while pumping the effluent directly, settling of solids get disturbed,

	which shows higher value in the outlet. • Unit is not having proper storage area/facility for Fleshing and shavings waste. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Raw hides were found kept/stored in the open area and water logging was observed around this area. • Unit have valid consent under Water Act, 1974 and not having consent under Air Act, 1981. • Unit has applied for authorization for Hazardous Waste. • Unit is having DG set of capacities 125 KVA & 50 KVA without acoustic enclosure. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21	• Unit should have proper dedicated channel for carrying chrome bearing waste water to CRP. • Unit should take necessary steps/modification of PETP and ensure proper neutralisation to achieve the discharge norms. • Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. • Raw hides should be stored properly and proper steps to be taken to avoid water logging around this area. • Unit should remove/dismantle all non-working drums. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Unit should maintain proper records/log book for hazardous waste generation, storage and disposal. • Unit should have proper storage area/facility for Fleshing and shavings waste and proper records need to be maintained for disposal. • Unit should apply to get consent under Air Act, 1981 from UPPCB. • Unit should have valid authorization for Hazardous Waste. • Unit should have acoustic enclosure for the DG sets. • Housekeeping should be improved.
22	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23	Date of Inspection :21/10/2013

	INSPECTION REPORT OF M/S R.K. TANNERS		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s R.K. Tanners 508, 150 ft Road, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Fardeen Husain a.9839686868 b. c.info@rktanners.com	
3.	Date/Year of commissioning	1995	
4.	Type of tanning	Chrome & Vegetable Tanning both	
5.	Detail of tanning & associated processes	Raw to finish leather.	
6.	Installed processing capacity	No. of hides processed / day-60 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-1.8 tonnes/day	
7.	Present production status	No. of hides processed / day-60 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-1.8 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	12
		Lime	100
		Sodium bi-sulphate	2
		Common salt	20
		BCS (fresh)	46
		Recovered chrome (solid)	10
		Recovered chrome (liquid)	100 lt
		Synthetic, semi-synthetic, Vegetable, fish oil,	10 10

		myrobalan, GS, Powder wattle chest nut	05 20
		dye	1
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well :1 No. 40 KLD(as per consent)	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation (M^3/day)	Chrome bearing stream : 1.2 KLD Non-chrome bearing stream: 35 KLD (consented)	
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partially segregated High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : 6KLD Primary Treatment Plant detail: <u>Collection cum Equalization tank</u> : Length :3.0 m Width :3.0 m Depth :4.5 m <u>Clarifier</u> Dia : 2.0 m Depth :2.0 m Cone:1.5 Sludge Drying Beds : 3X2X1.5 (2No.)		

14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP					
15.	Effluent characteristics(Primary) :					
	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	The unit has not provided distribution system in the settler, while pumping the effluent directly, settling of solids get disturbed. So higher value of TSS is in outlet.
	01	Collection cum Equalisation tank	8.23	239	8.16	
	02	Final effluent from primary treatment plant	8.91	621	16.90	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution			
	Details of D.G Set	Capacity	Acoustic enclosure provided	
		125 KVA	No	
17	Fuel Consumption	Type of fuel	Consumption	Used in
		Diesel	15 LPH	DG set
18	Management of hazardous wastes and other solid waste generation			
	Type of Wastes	Quantity generated	Storage & Disposal	
	Chemical sludge from ETP	80 Kg/day	No storage facility & disposed to TSDF	
	Fleshings, shavings	Data not available	No storage facility. Disposed for manure producer	
	Member of TSDF : BOW ML/K/1007/12 (Bharat Oil & Waste Management Ltd.)			

✪ ***Status of validity & compliance of consents and authorization***

19	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	31.12.2013
III	Hazardous Waste authorization:	Not available

✪ ***Overall Observations:***

20

- Environmental data display board not installed on the main gate of the unit.
- Unit is having 12 drums of sizes 6 x 6 ft, and 8 paddles of sizes 4 x 3 ft.
- Unit is not having proper/dedicated channel for carrying chrome wastewater to CRP.
- Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated.
- Fresh water leakage was observed.
- During the inspection the PETP was operated. The unit has not provided distribution system in the settler, while pumping the effluent directly, settling of solids get disturbed, which shows higher value in the outlet and proper neutralisation is also not carried out.
- Log book for the chemical consumption in PETP water consumption & effluent discharge

	was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. At time of inspection it was observed that the discharge meter reading is not matching with record and after that the meter was adjusted manually as per the record. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Unit is not having proper storage area/facility for PETP sludge, Fleshing and shavings waste and no records/logbook is being maintained for generation, storage and disposal. • Unit is having DG set of capacities 125 KVA without acoustic enclosure. • Unit is having valid consents under Water Act & Air Act. • Unit is not having authorization for Hazardous Waste. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21.	• Unit should have proper dedicated channel for carrying chrome bearing waste water to CRP. • Unit should take necessary steps/modification of PETP and ensure proper neutralisation to achieve the discharge norms. • Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. • Fresh water leakage should be stopped. • Unit should ensure proper working of flow meters and maintenance of record for actual discharge and manual changing of reading to be avoided. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Unit should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and proper records need to be maintained for generation, storage and disposal. • Unit should have acoustic enclosure for the DG sets. • Unit should apply/obtain authorization for Hazardous Waste from UPPCB. • Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :21/10/2013

	INSPECTION REPORT OF M/S RAHMAT SONS LEATHER FINISHERS	
✪ ***General Information & Production Details***		
1.	Name and address of the industry	M/s Rahmat Sons Leather Finishers 103/96, 150 ft Road, Jajmau, Kanpur
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamed Dhanesh a.9935023272 b. c.
3.	Date/Year of commissioning	2000
4.	Type of tanning	Chrome Tanning
5.	Detail of tanning & associated processes	Raw to finish
✪ ***Overall Observations:***		
6	• At time of inspection no concern person was available to get the information. As per the information provided by the worker Sh. Javed Ahtar, the closure direction was issued to unit by UPPCB, but at time of inspection the unit found operational (illegal operation). Goat hide is being processed and the effluent generated is being directly discharged to the CETP drain. Samples were collected at time of inspection. The analysis result of the samples is as follows pH – 7.49 TSS – 619 mg/l T. Cr – 19.41 mg/l • Unit is having 4 drums of size 8 x 8 ft and 4 paddles of size 8 x 8 ft.	
✪ ***Recommendations/Suggestion:***		
7.	• The unit should be closed immediately due to illegal operation.	
8.	Inspecting team :Sh. R.Rajkumar, Sci C Dr. H. V. Jigyasu, RA	
9.	Date of Inspection :21/10/2013	

	INSPECTION REPORT OF M/S UPPER INDIA PVT LTD.,		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s Upper India Pvt Ltd 38/32, 150 ft Road, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamed Salheh a. 2460650 b. 2460111 c. info@upintan.com	
3.	Date/Year of commissioning	1946	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Wet blue to finish	
6.	Installed processing capacity	No. of wet blue processed / day – 200	
7.	Present production status	No. of wet blue processed / day - 200	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ for 200 hides
		Degreasing & Neutralizing agent	25.5
		Ammonium bicarbo	15
		Fish oil	60
		Poly phosphate	1.5
		Polymeric fatliquor	120
		Anti-knotting agent	3
		Polymer	22.5
		Syntan	30
		Dicynamide based syntan	15
		Dye leveler	15
		Protein filler	22.50
		Synthetic fatliquor	120
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well : 1 No. 130 KLD (as consented)	

✪ ***Waste Water – Generation & Treatment***						
11	Wastewater generation	80 KLD				
12.	**Description of Effluent Management : NA**					
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : NA Primary Treatment Plant detail: <u>Collection Cum Equalization tank:</u> Length : 9.11 ft Width : 9.11 ft Depth : 11 ft <u>Clarifier</u> Length: 5.1 ft width : 5.1 ft Depth : 5.1 ft Cone : 7.4 ft Sludge Drying Beds : 11.3 ft x 5 ft (3 nos)					
14.	**Design detail for Secondary Treatment Plant:** NA					
15.	Effluent characteristics(Primary) :test report awaited					
	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	
	01	Collection tank	7.17	68.6	3.0	
	02	Final effluent from primary treatment plant	6.99	298.5	9.36	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	
✪ ***Air Pollution – Emission Sources & Control***						
16	Sources of air pollution	Boiler (Thermic fluid heater)	Generator	Buffing		
	Chimney Details	100 ft	850 KVA			
	APC Equipments Provided	Mechanical dust collector & cyclone	With Acoustic enclosure	Bag filter		
17	Fuel Consumption	Type of fuel	Consumption	Used in		
		Coal	20-25 TPM	Baby boiler		
		Diesel	70 lph	DG set		

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	25 Kg/day	No storage facility & disposed to TSDF
	Ash	12.5 TPM	Stored & disposed to ash brick maker
	shavings & Buffing waste	Not available	Disposed to leather board makers.
	Member of TSDF : Ramky & Membership No. 1100		
✪	***Status of validity & compliance of consents and authorization***		
19.	Consent/Authorization		
I	Under Water Act:		Applied for renewal
II	Under Air Act:		
III	Hazardous Waste authorization:		
✪	***Overall Observations:***		
20	• Unit is having 16 drums of sizes 8 x 9 ft in which 8 drums are non-working. • Unit is not having proper storage area/facility for shavings waste. • Unit is not having proper storage facility for ETP solid waste and not having log book for waste generation, storage and disposal. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not marinating proper records/log book for chemical consumption, hides purchase and production details. • Unit has applied for renewal of consents under Water Act, 1974 & Air Act, 1981 and authorization for Hazardous Waste. • Housekeeping is not satisfactory.		
✪	***Recommendations/Suggestion:***		
21	• Unit should remove/dismantle all non-working drums. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should have proper storage facility for ETP sludge, shavings waste etc and to maintain records/log book for generation, storage and disposal. • Unit should have valid consent under Water Act, 1974 & Air Act, 1981 and authorization for Hazardous Waste from UPPCB. • Housekeeping should be improved.		
22	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow		
23.	Date of Inspection :21/10/2013		

	INSPECTION REPORT ON M/S RAJIV LEATHER EMBOSSING

✪	***General Information & Production Details***		
1.	Name and address of the industry	M/s Rajiv Leather Embossing, 47/46,Gajjupurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Rajiv Chandra a.9935447790 b. c.rajivleather@yahoo.co.in	
3.	Date/Year of commissioning	1996	
4.	Type of tanning	Fat liquoring	
5.	Detail of tanning & associated processes	Wet blue on-wards: fat liquoring- shaving-dyeing-finish leather-industrial safety hand gloves.	
6.	Installed processing capacity	No. of hides processed / day-5 hides/day Type of hides / skin – split leather/buffalo	
7.	Present production status	No. of hides processed / day-5 hides/day Type of hides / skin- split leather/Buffalo	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Fat liquor	100 kg/ batch
		Synthetic	2.5 kg
		China clay	25 kg
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well :1 No. 4 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	3 KLD	

12.	**Description of Effluent Management** Whether effluent segregation practiced: NA
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant CRP (m^3) : NA Primary Treatment Plant detail: <u>Equalization tank</u> : Length :1.5 m Width :1.5 m Depth :2 m <u>Clarifier</u> Dia : 1.5 m Depth :1.5 m Cone:1m Sludge Drying Beds (area in sq m) : 1 X 1.2 (1No.), 0.6 X 1.2 (01)
14.	**Design detail for Secondary Treatment Plant:** Discharge to CETP

15. Effluent characteristics(Primary) :test report awaited

S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)
01	Collection tank	7.77	98.3	3.62
02	Final effluent from primary treatment plant	-	-	-
03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	NA
	Details of D.G Set	Capacity	Acoustic enclosure provided
		5 KVA	No
17	Fuel Consumption	Type of fuel	Consumption / Used in
		Diesel	8 LPH / DG set

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	No information about generation	No storage facility. No information about disposal
	shavings & Cutting	20 kg/day	No storage facility. Disposed to vendors
	Member of TSDF (no) :		
✪	***Status of validity & compliance of consents and authorization***		
19	Consent/Authorization		
I	Under Water Act:		Applied
II	Under Air Act:		Not available
III	Hazardous Waste authorization:		Not available
✪	***Overall Observations:***		
20	• Unit has two drums of sizes 6 x 8 ft & 6 x 7 ft. • Unit has provided PETP, where the pipelines found disconnected, effluent collected in collection tank is directly discharged to CETP. • Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not having proper storage area/facility for PETP sludge and shavings waste and no proper records maintained for generation, storage and disposal • Unit is not maintaining proper records/log book for water consumption, effluent discharge chemical consumption, hides purchase and production details. • Unit has DG set of capacity 5 KVA without acoustic enclosure. • Unit has applied for renewal of consent under Water Act, 1974. • Unit is not having consent under Air Act and Hazardous Waste Authorization. • Housekeeping is not satisfactory.		
✪	***Recommendations/Suggestion:***		
21	• Unit should connect the pipelines of PETP and ensure proper operation & discharge of effluent to CETP after primary treatment. • Unit should have proper storage area/facility for PETP sludge & shavings waste and proper records to be maintained for generation, storage and disposal • Unit should maintaining proper records/log book for water consumption, effluent discharge chemical consumption, hides purchase and production details. • Unit should install acoustic enclosure for the DG set. • Unit should get valid consent under Water Act, 1974 from UPPCB. • Unit should apply/obtain consent under Air Act and Hazardous Waste Authorization. • Housekeeping should be improved.		
22	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow		
23	Date of Inspection :22/10/2013		

	INSPECTION REPORT OF GAURI TANNERS		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s Gauri Tanners , 179, Laltupurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone	Sh. Mohammad Ushman a.9336103073	
3.	Date/Year of commissioning	1992	
4.	Type of tanning	Chrome Tanning	
5.	Detail of tanning & associated processes	**Raw to Wetblue** : soaking-liming-washing-deliming-fleshing- tanning- **Wet blue on-wards**: summing-splitting-saving-fat liquoring-dyeing-buffing-pressing-finish leather.	
6.	Installed processing capacity	No. of hides processed / day-30 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-0.9 tonnes/day	
7.	Present production status	No. of hides processed / day-30 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-0.9 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	10
		Lime	25
		Sodium bi-sulphate	3
		Sulphuric acid	10
		Common salt	20
		BCS (fresh)	15
		Recovered chrome (solid)	-
		Synthetic, semi-synthetic,	15

		Vegetable, fish oil, GSPowder wattle chest nut	12 5 15 15
		Any other- Dye	3
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption (M^3/day)	Bore well: 1 No. 25 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	Chrome bearing stream : 600 litrs Non-chrome bearing stream: 20 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partial Segregation High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant, CRP (m^3) : CCRU member unit Primary Treatment Plant detail: (**PETP is common for this unit & M/s Shakoor Tannery, sister unit in same compound**) <u>Collection cum Equalization tank</u> : Length :1.9 m Width :0.9 m Depth :0.9 m <u>Clarifier</u> Length :3.0 m Width :2.7 m Depth :2.1 m		

	Cone:1.2 Sludge Drying Beds: 2.1 X 1.45 X 0.9 (2No.)					
14.	**Design detail for Secondary Treatment Plant:** Discharge To CETP					
15.	Effluent characteristics(Primary) :					
	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	
	01	Collection tank	8.43	2465	19.66	
	02	Final effluent from primary treatment plant	6.79	544	19.06	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	
✪ ***Air Pollution – Emission Sources & Control***						
16	Sources of air pollution	Boiler	NA			
	Details of D.G Set	Capacity	Acoustic enclosure provided			
		60 KVA	No (placed in closed room)			
17	Fuel Consumption	Type of fuel	Consumption			
		Diesel	5-6 LPH			
18	Management of hazardous wastes and other solid waste generation					
	Type of Wastes	Quantity generated	Storage & Disposal			
	Chemical sludge from ETP Fleshing shavings	700 Kg/month 100 kg/day 70 kg/day	Stored & disposed to TSDF. No storage facility available, sold to local vendor			
	Member of TSDF (Yes) : UPPWMP-Mem No. 0278 (Ramky)					
✪ ***Status of validity & compliance of consents and authorization***						
19.	Consent/Authorization					
I	Under Water Act:		31.12.2014			
II	Under Air Act:		Applied			
III	Hazardous Waste authorization:		Applied			
✪ ***Overall Observations:***						
20	• Unit is having 5 drums of sizes 8 x 8 ft, in which 3 drums for tanning and remaining 2 drums for milling and 6 paddles having capacity 8 x 7 ft. • UPPCB has permitted to treat the effluent generated from this unit & M/s Shakoor Tannery (sister unit in same compound) commonly in the same PETP. • Unit has not provided dedicated channel for carrying chrome wastewater to CRP.					

	• Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated. • Flexible pipeline system is provided in ETP. • Unit is bypassing the untreated effluent directly from the plant to drain/CETP conveyance line. • Unit is not having proper storage area/facility for Fleshing and shavings waste and no proper records maintained for generation, storage and disposal • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Unit has buffing machine, which is connected with the bag filter to control the emission. The buffing waste from bag filter is not being removed & stored properly. • Unit has applied for renewal of consent under Air Act, 1981 and Hazardous Waste Authorization. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21.	• Unit should provide dedicated channel for carrying chrome wastewater to collection tank. • Unit should segregate High TDS effluent and other process effluents and ensure proper treatment of it. • Flexible pipeline system is provided in PETP should be replaced by permanent pipeline. • Unit should stop bypassing of untreated effluent directly from the plant to drain/CETP conveyance line and discharge point from plant to channel should be closed permanently. • Unit is should have proper storage area/facility for Fleshing and shavings waste and proper records is to be maintained for generation, storage and disposal. • Unit should maintain proper record logbook for sludge generation, storage and disposal. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • The buffing waste from bag filter should be removed & stored properly. • Unit should obtain consent under Air Act, 1981 and Hazardous Waste Authorization. • Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :22/10/2013

	INSPECTION REPORT OF M/S SHAKOOR TANNERY		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s Shakoor Tannery, 180 Laltupurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Abdul Shakoor a.9336112221	
3.	Date/Year of commissioning	1998	
4.	Type of tanning	Chrome and Vegetable Tanning	
5.	Detail of tanning & associated processes	**Raw to Wetblue** : soaking-liming-washing-deliming-fleshing- tanning- **Wet blue on-wards**: summing-splitting-saving-fat liquoring-dyeing-finish leather.	
6.	Installed processing capacity	No. of hides processed / day-20 hides/day Type of hides / skin (specify)-Buffalo Hide processed (kg /day)-600 kg/day	
7.	Present production status	No. of hides processed / day-20 hides/day Type of hides / skin (specify)-Buffalo Hide processed (kg /day)-600kg/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	5
		Lime	20
		Common salt	18
		BCS (fresh)	10
		Synthetic, semi-synthetic, Vegetable, fish oil, myrobalan, GS, Powder wattle chest nut	5 10 3 10 10 20
		dye	2

9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.
10	Source of fresh water Water Consumption	Bore well :1 No. 14KLD
✪	***Waste Water – Generation & Treatment***	
11	Wastewater generation	Chrome bearing stream : 200 Lits Non-chrome bearing stream:12 KLD
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partial Segregation High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.	
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : CCRU member unit Primary Treatment Plant detail: (**PETP is common for this unit & M/s Gauri Tanners, sister unit in same compound**) <u>Equalization tank</u> : Length :1.9 m Width :0.9 m Depth :0.9 m <u>Clarifier</u> Length :3.0 m Width :2.7 m Depth :2.1 m Cone:1.2 Sludge Drying Beds : 2.1X1.45X0.9 (2No.)	
14.	**Design detail for Secondary Treatment Plant:** Discharge to CETP	

15.	Effluent characteristics(Primary) :					
	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	
	01	Collection tank	8.43	2465	19.66	
	02	Final effluent from primary treatment plant	6.79	544	19.06	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	
✪ ***Air Pollution – Emission Sources & Control NA***						
16	Sources of air pollution		Boiler		Generator	
	NA					
17	Fuel Consumption		NA			
18	Management of hazardous wastes and other solid waste generation					
	Type of Wastes		Quantity generated		Storage & Disposal	
	Chemical sludge from ETP Fleshings, savings & Others(specify) :		400 Kg/month 60 kg/day 20kg/day		Disposed to TSDF No storage facility	
	Member of TSDF (Yes) : UPPWMP-Mem No. 0279 (Ramky)					
✪ ***Status of validity & compliance of consents and authorization***						
19	Consent/Authorization					
I	Under Water Act:				31.12.2013	
II	Under Air Act:				NA	
III	Hazardous Waste authorization:				Applied	
✪ ***Overall Observations:*** Housekeeping, O&M of ETP, Waste minimisation						
20	• Environmental data display board not installed on the main gate of the unit. • Unit is having 4 drums of sizes 8 x 8 ft (2 nos) & 7 x 8 ft (2 nos) and 6 paddles having capacity 6 x 8 ft. • UPPCB has permitted to treat the effluent generated from this unit & M/s Gauri Tanners, (sister unit in same compound) commonly in the same PETP. • Unit has not provided dedicated channel for carrying chrome wastewater to CRP. • Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated. • Unit is not having proper storage area/facility for Fleshing and shavings waste and no proper records maintained for generation, storage and disposal • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details.					

	• Unit has applied for Hazardous Waste Authorization. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21.	• Unit should install the display board on the main gate of the unit. • Unit should provide dedicated channel for carrying chrome wastewater to collection tank. • Unit should segregate High TDS effluent and other process effluents and ensure proper treatment of it. • Unit is should have proper storage area/facility for Fleshing and shavings waste and proper records is to be maintained for generation, storage and disposal. • Unit should maintain proper record logbook for sludge generation, storage and disposal. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Housekeeping should be improved. • Unit should obtain for Hazardous Waste Authorisation from UPPCB.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :22/10/2013

	INSPECTION REPORT OF M/S M. A. LEATHERS		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s M.A. Leathers, 159/152, Laltupurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Mr. Firoz Ahmad a.9889032028 b. c.	
3.	Date/Year of commissioning	-	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Fat liquoring of split leather is carried out	
6.	Installed processing capacity	No. of hides processed / day- 05 hides/day Type of hides / skin (specify)-Buffalo split leather	
7.	Present production status	No. of hides processed / day- 05 hides/day Type of hides / skin (specify)-Buffalo split leather	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Synthetic, semi-synthetic, Vegetable, fish oil, Negrosine black Dye	 30 kg 2 kg
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well:1 No. 3.5 KLD	
✪ ***Waste Water – Generation & Treatment***			
11	Wastewater generation	2.5 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: NA		

13. **Design detail for Primary Treatment Plant**

Capacity of Chrome Recovery Plant,CRP (m^3) : NA

Primary Treatment Plant detail:

Equalization tank :

Length :1.21 m
Width :1.21 m
Depth :2.43 m

Clarifier

Dia : 0.9 m
Depth :1.2 m
Cone:0.9m

Sludge Drying Beds : 1 X 1 X 1m (2No.)

14. **Design detail for Secondary Treatment Plant:** Discharged To CETP

15. Effluent characteristics(Primary) :

S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)
01	Channel	7.51	127	8.08
02				
03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**

✪ ***Air Pollution – Emission Sources & Control: NA***

16	Sources of air pollution	Boiler	Generator
	NA		
17	Fuel Consumption	NA	
18	Management of hazardous wastes and other solid waste generation		

Type of Wastes	Quantity generated	Storage & Disposal
Chemical sludge from ETP	No data available	No storage facility and no information about disposal
shavings	1 ton/ month	No storage facility. Sold to local vendor

Member of TSDF (Yes) : Not available

✪ ***Status of validity & compliance of consents and authorization***		
19.	Consent/Authorization	
I	Under Water Act:	21.12.2013
II	Under Air Act:	NA
III	Hazardous Waste authorization:	Not available
✪ ***Overall Observations:***		
20	• Environmental data display board not installed on the main gate of the unit. • Unit has one drum of size 6 x 8 ft for fat liquoring. • Unit has provided bypass line at the inlet of collection tank which goes to CETP conveyance line directly. • At time of inspection, PETP was not in operation, the effluent generated is directly going to CETP conveyance line without treatment. • Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not having proper storage area/facility for PETP sludge and shavings waste and no proper records maintained for generation, storage and disposal • Unit is not maintaining proper records/log book for water consumption, effluent discharge chemical consumption, hides purchase and production details. • Unit is not having Hazardous Waste Authorization. • Housekeeping is not satisfactory.	
✪ ***Recommendations/Suggestion:***		
21.	• Environmental data display board should be installed on the main gate of the unit. • Unit has provided close the bypass line at the inlet of collection tank and ensure proper primary treatment of effluent before discharge to CETP. • Unit should have proper storage area/facility for PETP sludge and shavings waste and proper records to be maintained for generation, storage and disposal. • Unit should maintain proper records/log book for water consumption, effluent discharge chemical consumption, hides purchase and production details. • Unit should apply/obtain Hazardous Waste Authorization from UPPCB. • Housekeeping is not satisfactory.	
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow	
23.	Date of Inspection : 22/10/2013	

	INSPECTION REPORT OF M/S R. A. TRADE & INDUSTRIES		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s R.A. Trade & Industries, 187/180 A, Laltupurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. B.M. Srivastava a.9935080000 b. c.info@hidecide.com	
3.	Date/Year of commissioning	1986	
4.	Type of tanning	Chrome & Vegetable Tanning both	
5.	Detail of tanning & associated processes	Raw to Wetblue : soaking-liming-washing-deliming-fleshing- tanning- Wet blue on-wards: summing-splitting-saving-fat liquoring-dyeing-finish leather.	
6.	Installed processing capacity	No. of hides processed / day- 60 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-1.8 tonnes/day	
7.	Present production status	No. of hides processed / day-60 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-1.8 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	20
		Lime	80
		Sodium bi-sulphate	3
		Sulphuric Acid	5 kg
		Common salt	60
		BCS (fresh)	30
		Synthetic, semi-synthetic, Vegetable, fish oil,	6 6

		myrobalan, GS, Powder wattle chest nut	 20 20
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (borewell) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well:1 No. 60 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	Chrome bearing stream : 1.2 KL Non-chrome bearing stream:42 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: No segregation High TDS effluent, Chrome bearing effluent and other process effluents are not segregated.		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : 3 KLD Primary Treatment Plant detail: <u>Collection cum Equalization tank</u> : Length :2.45 m Width :1.98 m Depth :3.04 m <u>Clarifier</u> Dia : 2.74 m Depth :3.6 m Cone:1.5 Sludge Drying Beds : 3 X 2.4 (2No.)		
14.	**Design detail for Secondary Treatment Plant:** Discharge to CETP		
15.	Effluent characteristics(Primary) :		

	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	
	01	Equalisation tank	6.89	1119	2.92	
	02	Final effluent from primary treatment plant	9.12	543	9.40	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler : capacity not available/provided		
	Chimney Details	10 mt height		
	APC Equipments Provided	No		
	Details of D.G Set	Capacity	Acoustic enclosure provided	
		125 KVA	No	
17	Fuel Consumption	Type of fuel	Consumption	Used in
		Diesel	20-22 LPH	DG set
		Coal	200 Kg/day	Baby Boiler
18	Management of hazardous wastes and other solid waste generation			
	Type of Wastes	Quantity generated	Storage & Disposal	
	Chemical sludge from ETP	60 Kg/day	No storage facility. Disposed to TSDF.	
	Fleshings, savings & Others(specify) :	No data available	No storage facility. Disposed to Glue & leather board makers.	
	Member of TSDF (Yes) : UPPWMP-Mem No. 0320 (Ramky)			

✪ ***Status of validity & compliance of consents and authorization***

19	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	31.12.2013
III	Hazardous Waste authorization:	Applied

✪ ***Overall Observations:***

20

- Unit is having 8 drums, in which 2 drums used for milling of sizes 7 x 8 ft, 2 drums for tanning of sizes 8 x 8 ft, 2 drums for oiling of sizes 7 x 8 ft and 2 drums of size 7 x 8 ft not working and 4 paddles of sizes 10 x 10 ft.
- Unit is not segregating High TDS effluent, chrome wastewater and other process effluents.
- Unit has installed CRP but, effluent channel from the tanning section is not connected to it, all channels are connected to PETP.
- Flexible pipeline system is provided in PETP.
- Unit is not having proper storage area/facility for PETP sludge, Fleshing and shavings waste and no proper records maintained for generation, storage and disposal
- Water meter (mechanical flow meter) installed at the intake and final out let of PETP.

	• Unit is not maintaining proper records/log book for water consumption, effluent discharge chemical consumption, raw hides purchase and production details. • Unit has applied for Hazardous Waste Authorization. • Housekeeping is not satisfactory.
✪	***Recommendations/Suggestion:***
21.	• Unit should segregate & provide dedicated channel for carrying chrome wastewater to CRP. • Unit should segregate High TDS effluent and other process effluents and ensure proper treatment of it. • Flexible pipeline system is provided in PETP should be replaced by permanent pipeline. • Unit is should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and proper records is to be maintained for generation, storage and disposal. • Unit should maintain proper records/log book for water consumption, effluent discharge, chemical consumption, raw hides purchase and production details. • Unit should obtain Hazardous Waste Authorization from UPPCB. • Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :22/10/2013

	INSPECTION REPORT OF M/S YAQUB TANNERS		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s Yaqub Tanners 112 F, Chabilepurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamed Kayab a.9336120907 b. 2463427 c. sales@zail.in	
3.	Date/Year of commissioning	1998	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Splits-oiling-dyeing-milling-finishing	
6.	Installed processing capacity	No. of hides processed / day – 5 hides/day Type of hides / skin (specify)- Buffalo Hide processed - 350 kg/day	
7.	Present production status	No. of hides processed / day – 5 hides/day Type of hides / skin (specify)- Buffalo Hide processed - 350 kg/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Synthetic, semi-synthetic, Vegetable, fish oil, myrobalan, GS, Powder wattle	48
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well :1 No. 4 KLD	
✪ ***Waste Water – Generation & Treatment***			
11	Wastewater generation	3 KLD	
12.	**Description of Effluent Management : NA**		

13. **Design detail for Primary Treatment Plant**

Capacity of Chrome Recovery Plant,CRP (m^3) : NA

Primary Treatment Plant detail:

Equalization tank:
Length : 7.5 ft
Width : 7.5 ft
Depth : 12 ft

Clarifier
Length: 10.5 ft
width : 10.5 ft
Depth : 5 ft
Cone : 5.5 ft

Sludge Drying Beds : 1.8 m x 1.5 m (2nos)

14. **Design detail for Secondary Treatment Plant:** Discharged To CETP

15. Effluent characteristics(Primary) :

S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)
01	Collection cum Equalisation tank	7.75	49	2.64
02	Final effluent from primary treatment plant	6.93	123	11.9
03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	Generator
	Chimney Details	NA	75 KVA
	APC Equipments Provided		Without Acoustic enclosure

17	Fuel Consumption	Type of fuel	Consumption	Used in
		Diesel	7-8 lph	DG set

18 Management of hazardous wastes and other solid waste generation

Type of Wastes	Quantity generated	Storage & Disposal
Chemical sludge from ETP	5 Kg/day (consented)	No storage facility & disposed to TSDF
shavings	Not Available	No storage facility and disposed to leather board makers.

Member of TSDF : Ramkey & Membership No. 1335

✪ ***Status of validity & compliance of consents and authorization***		
19.	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	31.12.2013
III	Hazardous Waste authorization:	Applied for authorization
✪ ***Overall Observations:***		
20	• Unit is having 5 drums of sizes 7 x 7 ft in which 1 drum used for milling & remaining 4 drums for oiling/fat liquoring. • During inspection over flowing of settling tank was observed and also wood materials found in the settling tank. • Unit is not having permanent pipelines in the PETP. • Unit is having SDB outside the premises, which is found empty. • Unit is not having proper storage area/facility for shavings waste. • Unit is not having proper storage facility for ETP sludge and not having log book for waste generation, storage and disposal. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details. • Unit has applied for authorization for Hazardous Waste. • Housekeeping is not satisfactory.	
✪ ***Recommendations/Suggestion:***		
21.	• Unit should properly maintain the settling tank in order to avoid overflow. • Unit should have permanent pipeline system in the PETP rather than having flexible pipe. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should have proper storage facility for ETP sludge, shavings waste etc and to maintain records/log book for generation, storage and disposal. • Unit should get authorization for Hazardous Waste from UPPCB. • Housekeeping should be improved.	
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow	
23.	Date of Inspection :23/10/2013	

	INSPECTION REPORT OF M/S SABA LEATHERS

✪	***General Information & Production Details***	
1.	Name and address of the industry	M/s Saba Leathers 539/A, D.T.S Road, 150 ft Road, Jajmau, Kanpur
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Muffish a.9795427946 b. c.
3.	Date/Year of commissioning	2006
4.	Type of tanning	NA
5.	Detail of tanning & associated processes	Job work. Splitting, shaving, pressing, oil used for shining
6.	Installed processing capacity	No. of hides processed / day - 5 hides/day
7.	Present production status	No. of hides processed / day- 5 hides/day

✪	***Status of validity & compliance of consents and authorization***	
8	Consent/Authorization	Data not available.
I	Under Water Act:	
II	Under Air Act:	
III	Hazardous Waste authorization:	

✪	***Overall Observations:***
9	• During the inspection concern person is not available. So the information regarding consents is not provided. • The industry is carrying out job work (dry process) like splitting, shaving, pressing, oil used for shining (manually applied & sun dried). The shaving waste is sent to leather board makers. No effluent generation in this process.
10.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
11.	Date of Inspection :23/10/2013

	INSPECTION REPORT OF M/S ORIENTAL TANNING INDUSTRIES

✪	***General Information & Production Details***	
1.	Name and address of the industry	M/s Oriental Tanning Industries 5 Block B, 150 ft Road, Jajmau, Kanpur
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamed Mudassir a.9839450116 b. c. oriental_123@rediffmail.com
3.	Date/Year of commissioning	1990
4.	Type of tanning	Vegetable Tanning
5.	Detail of tanning & associated processes	Presently the unit is not carrying out tanning process. Job Work: Shaving, pressing, Measuring & oiling (shiner)
6.	Installed processing capacity	No. of hides processed / day - 35 hides/day
7.	Present production status	No. of hides processed / day - 35 hides/day
✪	***Overall Observations:***	
8.	• UPPCB issued closure direction for the tanning process for not having proper primary treatment facility. The unit is in process of installation of new PETP. • Presently the unit is carrying out the job work (dry process), where no effluent is being generated.	
✪	***Recommendations/Suggestion:***	
9.	• Unit should inform to CPCB after starting tanning process (revoking of direction) and ensure proper maintenance of records/log book for water consumption, wastewater discharge, energy meter, chemical usage, raw hide purchase, production details, solid waste generation, storage & disposal. • Unit shall also ensure proper segregation of effluent streams.	
10.	Inspecting team :	
11.	Date of Inspection :23/10/2013	

	INSPECTION REPORT OF M/S NAAZ LEATHER FINISHERS

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Naaz Leather Finishers 14 A, 150 ft Road, Jajmau, Kanpur
2.	Name of the occupier/contact person with a. Telephone b. e-mail	Sh. Raeesh Iqubal a.9839030355 b. naazexportinc@gmail.com
3.	Date/Year of commissioning	1992
4.	Type of tanning	Chrome Tanning
5.	Detail of tanning & associated processes	Raw to finish
6.	Installed processing capacity	No. of hides processed / day - 50 hides/day Type of hides / skin (specify)- Buffalo Hide processed - 1.25 tonnes/day
7.	Present production status	No. of hides processed / day - 50 hides/day Type of hides / skin (specify)- Buffalo Hide processed - 1.25 tonnes/day
8.	Direction Compliance & other observations.	

Based on the inspection, carried out on November 29, 2012, directions/Notice under section 5 of EP Act, 1986 dated April 5, 2013 was issued to the unit to submit the reply. Based on the reply the unit is issued direction dated July 9, 2013 to implement the following recommendations. The compliance status of the recommendations/directions is as follows

Directions	Compliance status
Construction of exclusive drain line for carrying chrome liquor to CRP	Not complied. Industry is having temporary flexible pipe to carry the effluent to CRP.
Periodic cleaning of settling tank & SDB	Complied.
Acoustic enclosure for DG set	Complied.
Segregation of the effluent streams containing High TDS	So for no segregation of high TDS stream is carried out. The unit initiated the following steps: • Brushing & dusting of raw hide is being carried out to remove the salt. • Installation of Salt recovery system has been completed and yet to start the trail run.

Display Board on the gate	Complied.
Improvement of PETP so as to comply with standards to discharge to CETP.	
To comply above conditions within 2 months	Partially complied.

Observations:

- Unit is not having proper storage area/facility for fleshing & shaving waste.
- Unit is not having proper storage facility for ETP sludge and not having log book for waste generation, storage and disposal.
- Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details.
- Unit is having flexible pipeline in the PETP.
- During inspection fresh water leakages was observed.
- Sample was collected during the inspection. Analysis result is shown below.

Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)
Collection tank cum Equalisation tank	6.77	245	5.9
Final effluent from primary treatment plant	7.72	232	17.9
Standard	**6.5 – 9.0**	**Below 600**	**45**

✪ ***Recommendations/Suggestion:***

9.	• Unit should have permanent pipeline system in the PETP rather than having flexible pipe. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should have proper storage facility for ETP sludge, shavings waste etc and to maintain records/log book for generation, storage and disposal. • Unit should avoid fresh water leakages. • Housekeeping should be improved. • Unit should comply all directions given in above point 10.
10.	Inspecting team : Sh. P. K. Mishra Sc D, ZO Lucknow Dr. R. K. Singh Sc C, ZO Lucknow Sh. R.Rajkumar, Sci C, ZO Bangalore Dr. H. V. Jigyasu, RA, ZO Lucknow
11.	Date of Inspection :23/10/2013

INSPECTION REPORT OF M/S NAZ TANNERS

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Naz Tanners 111-E/5, 150 ft Road, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone	Sh. Zafar Alam a.9839086060	
3.	Date/Year of commissioning	1996	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Dog Chew Bleached split (soft inner layer of raw hide) is dried to make dog chew	
6.	Installed processing capacity	20 split	
7.	Present production status	20 split	
8	Major raw materials consumed	Chemicals	Quantity / batch
		Boric acid	500 gm
		Hydrogen peroxide	5 kg

9. ***Overall Observations:***

- UPPCB has issued closure direction to the unit to stop the tanning process in 2009. Presently no tanning process is carried out. The unit is making the dog chew, where no consent is available for production of dog chew.

- The unit has not uninstalled/removed the tanning drums (5nos) & paddles (7 nos).

10. ***Recommendations/Suggestion:***

- The unit shall remove/dismantle all the tanning drums & paddles.

- The unit should obtain proper consent from UPPCB for production of dog chew and ensure no effluent being generated from this process..

11.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
12.	Date of Inspection :23/10/2013

	INSPECTION REPORT OF M/S NAZ TRADERS		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s Naz Traders 111 E/5, 150 ft Road, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Zafar Alam a.9839086060	
3.	Date/Year of commissioning	1996	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Wet blue to finish (Only fat liquoring)	
6.	Installed processing capacity	No. of hides processed / day - 5 hides/day Type of hides / skin (specify)- Buffalo	
7.	Present production status	No. of hides processed / day - 5 hides/day Type of hides / skin (specify)- Buffalo	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Fat liquor	15
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit.	
10	Source of fresh water Water Consumption (M^3/day)	Bore well :1 No. 5 KLD	
✪ ***Waste Water – Generation & Treatment***			
11	Wastewater generation (M^3/day)	3.5 KLD	
12.	**Description of Effluent Management : NA**		
13.	**Design detail for Primary Treatment Plant**		

	Capacity of Chrome Recovery Plant,CRP (m^3) : NA Primary Treatment Plant detail: The effluent is sent for treatment to the M/s Naz Tanners, which is in same compound. <u>Equalization tank:</u> Length : 2 m Width : 1 m Depth : 3 m <u>Clarifier</u> Length : 2 m Width : 1 m Depth : 3 m Cone : 0.5 m Sludge Drying Beds (area in sq m) : 3 m x 2 m x 1m (2 nos)
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP
15.	Effluent characteristics (Primary): At time of inspection no effluent was generated. So sample was not collected.

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	Generator
	Chimney Details	NA	5 KVA
	APC Equipments Provided	NA	Without Acoustic enclosure

17	Fuel Consumption	Type of fuel	Consumption	Used in
		Diesel	Details not available	

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	Details not available	

✪ ***Status of validity & compliance of consents and authorization***

19.	Consent/Authorization	
I	Under Water Act:	Applied for consent
II	Under Air Act:	NA
III	Hazardous Waste authorization:	Not having authorization

✪ ***Overall Observations:*** Housekeeping, O&M of ETP, Waste minimisation	
20	• The effluent generated from this unit is sent to the sister cosine M/s Naz Tanners for pre-treatment before discharge to CETP, located in same compound for which no permission letter is available from UPPCB and more over M/s Naz Tanners is closed by UPPCB. • Unit is having 2 drums of sizes 8 x 6ft. • Environmental data display board not installed on the main gate of the unit. • No records/log book is maintained for chemical consumption in ETP & process, hides purchase, production details, waste sludge generation &disposal, water consumption & effluent discharge. • Unit has applied for renewal of consent under Water Act, 1974 & Air Act, 1981 and authorization for Hazardous Waste.
✪ ***Recommendations/Suggestion:***	
21.	• The unit should get proper permission from UPPCB for treatment of effluent in the sister cosine M/s Naz Tanner. • Environmental data display board should be installed on the main gate of the unit. • Proper records/log book is to be maintained for chemical consumption in ETP & process, hides purchase, production details, waste sludge generation &disposal, water consumption & effluent discharge. • Unit should get consent under Water Act, 1974 & Air Act, 1981 and authorization for Hazardous Waste from UPPCB.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :23/10/2013

	INSPECTION REPORT OF M/S EVEREST TANNERY PVT. LTD.,

✪ ***General Information & Production Details***				
1.	Name and address of the industry	M/s Everest Tannery Pvt. Limited 184 A, Wazidpur, Jajmau, Knapur		
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mansoori Ahmed 9839604021 0512-2465722 everestt@satyem.net.in		
3.	Date/Year of commissioning	1994		
4.	Type of tanning	NA		
5.	Detail of tanning & associated processes	Leather finish & leather goods making Embossing		
6.	Installed processing capacity	No. of hides processed/day: 75 MT		
7.	Present production status	No. of hides processed / day: 75 MT		
8	Major raw materials consumed	No details provided		
9.	Status of fresh water metering system	Available at bore well		
10	Source of fresh water Water Consumption	Bore well-I Domestic: 4.8 KLD (including cooling tower)		
✪ ***Waste Water – Generation & Treatment***				
11	Wastewater generation	Domestic: 1.8 KLD		
12.	**Description of Effluent Management** Whether effluent segregation practiced: NA			
13.	**Design detail for Primary Treatment Plant:** N.A			
14.	**Design detail for Secondary Treatment Plant:** N.A.			
15.	Effluent characteristics: Generated domestic waste is disposed in soak pit			
✪ ***Air Pollution – Emission Sources & Control***				
16	Sources of air pollution	Thermic fluid Heating Boiler 400000 Kcal/hr	Buffing	
	Chimney Details	100 mts	Collected in bag filter and made as cake, which is used as boiler fuel.	
	APC Equipment's Provided	Dust Collector		
	Details of D.G Set	Capacity	Provided Acoustic enclosure	Fuel used & its consumption

		500 KVA (2 nos) Old ship generator	No acoustic enclosure	Diesel – 70 lph
17	Management of hazardous wastes and other solid waste generation			
	Type of Wastes	Quantity generated	Storage & Disposal	
	Buffing waste	Collected in bag filter and made as cake, which is used as boiler fuel.		
	Member of TSDF (Yes/No): NA			
✪	***Status of validity & compliance of consents and authorization***			
18.	Consent/Authorization			
I	Under Water Act		31.12.14	
II	Under Air Act		31.12.14	
III	Authorization for handling of Hazardous Waste		NA	
✪	***Overall Observations:***			
19	• Unit is having two old ship Diesel generator of capacities 150 KVA each place in a semi opened room without acoustic enclosure. • Unit is carrying out the spray painting process, in which small quantity of waste water will be generated by gun ash and leakages (for one ton apprx. 10 lits generation), which is sent to the domestic wastewater. • In the spray painting chamber solid waste will be removed from the wall chamber at time of cleaning, which quantity and disposal are also not given. • Unit has no account/generation quantity for cooling tower blow down. • Unit is not maintaining proper record/logbook for chemical usage including painting/coating, hide processing and production detail.			
✪	***Recommendations/Suggestion:***			
20.	• Unit should take necessary study/calculation for estimating the quantity of cooling tower blow down and wastewater generation from spray painting, accordingly suitable action need to be taken for treatment with permission from UPPCB. • Unit should have closed sound proof room/acoustic enclosure for the diesel generator. • Unit should maintaining proper record/log book for chemical usage including painting/coating, hide processing and production detail. • Unit should get Hazardous waste authorisation from UPPCB, since the solid waste removed from spray painting is hazardous in nature and ensure proper disposal of the same.			
21.	Inspecting team: Sh Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma R.A, ZO-Lucknow			
22.	Date of Inspection: 24.10.2013			

	INSPECTION REPORT OF M/S MD. WASEEM LEATHER	
✪	***General Information & Production Details***	
1.	Name and address of the industry	M/s Md. Waseem Leather 332/308, Bhalla Estate, Jajmau, Kanpur
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamad Waseem 9838711313
3.	Date/Year of commissioning	2005
4.	Type of tanning	NA
5.	Detail of tanning & associated processes	Fat liquoring of Split leather is carried out
6.	Installed processing capacity	No. of hides processed/day:5 hide/day Type of hide/skin (specify): split Leather
7.	Present production status	No. of hides processed/day:5 hide/day Type of hide/skin (specify): split Leather
8	Major raw materials consumed	Chemicals: Synthetic oil and castor oil — Quantity in kg/batch: 10 Kg/batch
9.	Status of fresh water metering system	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.
10	Source of fresh water Water Consumption	Bore well-I 3-4 KLD
✪	***Waste Water – Generation & Treatment***	
11	Wastewater generation	2.5 KLD
12.	**Description of Effluent Management :** Whether effluent segregation practiced: NA	
13.	**Design detail for Primary Treatment Plant**	

	• Capacity of Chrome Recovery Plant (CRP): NA • Primary Treatment Plant detail: <u>Collection cum equalization tank:</u> Length :1.53 m Width : 1.53 m Depth : 2.15 m <u>Clarifier:</u> 1.53x1.53x1.61 Length: 1.53 m Width : 1.53 m Depth : 1.15 m Conical depth: 1.15 m <u>Sludge Drying Beds</u>: 1.2m x 1.2m x 0.75 m
14.	**Design detail for Secondary Treatment Plant:** Discharge to CETP
15.	**Effluent characteristics:** At time of inspection no effluent was generated and sufficient quantity of effluent is not available in the collection tank to operate the PETP. So sampling is not carried out.

✪ ***Air Pollution – Emission Sources & Control*** **-N.A.**

16	Sources of air pollution	BOILER:	GENERATOR:
	NA		
17	Fuel Consumption in;	NA	
18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Sludge from PETP Shaving waste	As per the information provided by the unit, no sludge is being generated. Only the leather fiber waste comes out from oiling & milling. No information about quantity.	No storage facility. Disposed to leather board makers

	Member of TSDF (Yes/No): NA	
✪	***Status of validity & compliance of consents and authorization***	
19.	Consent/Authorization	
I	Under Water Act	31.12.13
II	Under Air Act	NA
III	Authorization for handling of Hazardous Waste	NA
✪	***Overall Observations:***	
20	• Environmental data display board not installed on the main gate of the unit. • Unit is having 2 drums in which 1 drum used for oiling of sizes 8 x 8 ft, and another drum for milling of sizes 8 x 6 ft. • Log book for the chemical consumption in PETP water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details. • Unit is not having proper storage area/facility for solid & shaving waste and no records/logbook is being maintained for generation, storage and disposal. • Housekeeping is not satisfactory.	
✪	***Recommendations/Suggestion:***	
21.	• Environmental data display board should be installed on the main gate of the unit. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should have proper storage area/facility for solid & shavings waste and proper records need to be maintained for generation, storage and disposal. • Housekeeping should be improved.	
22.	Inspecting team: Sh Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma R.A, ZO-Lucknow	
23.	Date of Inspection: 24.10.2013	

	INSPECTION REPORT OF M/S MUGHIZ TANNERS

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Mughiz Tanners 332/318, Bhalla Estate, Jajmau, Knapur
2.	Name of the occupier/contact person with a. Telephone	Sh. Farahan 969577710
3.	Date/Year of commissioning	1985
4.	Type of tanning	NA
5.	Detail of tanning & associated processes	Oiling, dying & shaving of Split leather
6.	Installed processing capacity	No. of hides processed/day: 15 hides/day Type of hide/skin (specify): Buffalo
7.	Present production status	No. of hides processed/day: 15 hides/day Type of hide/skin (specify): Buffalo
8	Major raw materials consumed	<table><tr><td>Chemicals</td><td>Quantity in kg/batch</td></tr><tr><td>Synthetic, fish oil, myrobalan, Wattle Chest nut</td><td>20 -25</td></tr><tr><td>Dye</td><td>1</td></tr></table>
9.	Status of fresh water metering system (Available / Not available; if yes detail of metering system)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.
10	Source of fresh water Water Consumption	Bore well – 1 nos. 14 KLD

✪ ***Waste Water – Generation & Treatment***

11	Wastewater generation	12 KLD
12.	**Description of Effluent Management: N.A.** Whether effluent segregation practiced: NA	

13.	**Design detail for Primary Treatment Plant** • Capacity of Chrome Recovery Plant (CRP): NA • Primary Treatment Plant detail: <u>Collection cum equalization tank:</u> Length : 7.5 ft Width : 6.5 ft Depth : 12 ft <u>Clarifier:</u> Length: 7.5 ft Width: 6.5 ft Depth: 3 ft Conical depth: 4 ft <u>Sludge Drying Beds</u>: 3 x 2 ft (2 nos)		
14.	**Design detail for Secondary Treatment Plant:** Discharge to CETP		
15.	**Effluent characteristics:** At time of inspection no effluent was generated and sufficient quantity of effluent is not available in the collection tank to operate the PETP. So sampling is not carried out.		
✪	***Air Pollution – Emission Sources & Control***		
16	Sources of air pollution	BOILER:	GENERATOR:
	NA		
17	Fuel Consumption	NA	
18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	• Chemical sludge from ETP • Shavings	No data for generation.	No storage facility and no information about disposal No storage facility and disposed to leather board makers.
	Member of TSDF : No		
✪	***Status of validity & compliance of consents and authorization***		
19.	Consent/Authorization		
I	Under Water Act	Applied	
II	Under Air Act	NA	
III	Authorization for handling of Hazardous Waste	Not available	

✪	***Overall Observations:***
20	• Environmental data display board not installed on the main gate of the unit. • Unit is having 7 drums in which 3 drums used for oiling of sizes 8 x 6 ft, 2 drums for milling of sizes 8 x 7 ft. and 2 new drums which is in trail run of sizes 8 x 10 ft. • Log book for the chemical consumption in PETP water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details. • Unit is not having proper storage area/facility for PETP sludge, and shavings waste and no records/logbook is being maintained for generation, storage and disposal. • Unit is not member of TSDF and have not information about disposal of PETP sludge. • Unit has applied for renewal of consent under Water Act & Air Act. • Unit is not having/applied for authorization for Hazardous Waste. • Housekeeping is not satisfactory.
✪	***Recommendations/Suggestion:***
21.	• Environmental data display board should be installed on the main gate of the unit. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should have proper storage area/facility for PETP sludge, and shavings waste and proper records need to be maintained for generation, storage and disposal. • Unit should ensure proper disposal of the PETP sludge. • Unit should obtain valid consent under water Act from UPPCB. • Unit should apply/obtain authorization for Hazardous Waste from UPPCB. • Housekeeping should be improved.
22.	Inspecting team: Sh Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma, R.A, ZO-Lucknow
23.	Date of Inspection: 24.10.2013

	INSPECTION REPORT OF M/S ROSHAN & COMPANY	
✪ ***General Information & Production Details***		
1.	Name and address of the industry	M/s Roshan & Company 332/317, Bhalla Estate, Jajmau, Knapur
2.	Name of the occupier/contact person with a. Telephone b.	Sh. Shakkat Ali 9336100689
3.	Date/Year of commissioning	2005
4.	Type of tanning	Vegetable Tanning
5.	Detail of tanning & associated processes	Raw hide to semi finish
6.	Installed processing capacity	No. of hides processed/day: 5 hides/day Type of hide/skin (specify): Buffalo Head
7.	Present production status	No. of hides processed/day:5 hide/day Type of hide/skin (specify): Buffalo Head
8	Major raw materials consumed	<table><tr><td>Chemicals</td><td>Quantity in kg/batch</td></tr><tr><td>Lime</td><td>25 Kg/125 head hide</td></tr><tr><td>Synthetic, semi-synthetic, vegetable, fish oil, myrobalan, GS powder, Wattle Chest nut</td><td>25-30 Kg/batch</td></tr><tr><td>Harra, Bark, Salt, sugar</td><td>5-6 Kg/Batch (each)</td></tr></table>
9.	Status of fresh water metering system (Available / Not available; if yes detail of metering system)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.
10	Source of fresh water Water Consumption	Bore well-I 4.5 KLD

✪ ***Waste Water – Generation & Treatment***					
11	Wastewater generation	3 KLD			
12.	**Design detail for Primary Treatment Plant N.A.** • Capacity of Chrome Recovery Plant (CRP): NA • Primary Treatment Plant detail: <u>Collection cum equalization tank:</u> Length : 8 ft Width : 9 ft Depth : 15 ft <u>Clarifier:</u> Length: 8 ft Width: 9 ft Depth: 3 ft Conical depth:4 ft <u>Sludge Drying Beds</u>: 4 x 3 ft (2nos)				
13.	**Design detail for Secondary Treatment Plant:** Discharge to CETP				
✪ ***Air Pollution – Emission Sources & Control*** **-N.A.**					
14	Sources of air pollution	BOILER: NA			
	Details of D.G Set	Capacity	Provided Acoustic enclosure		
		15 KVA	Not provided		
15	Fuel Consumption in;	Type of fuel	Consumption	Used in	
	DG set	Not in use			
16	Management of hazardous wastes and other solid waste generation				
	Type of Wastes	Quantity generated	Storage & Disposal		
	• Chemical sludge from ETP	Data not available	No storage facility. Disposed to agarbatti producers		
	Member of TSDF (Yes/No): Membership No.:				
✪ ***Status of validity & compliance of consents and authorization***					
17.	Consent/Authorization				
	Under Water Act	Applied			
	Under Air Act	Applied			
	Authorization for handling of Hazardous Waste	NA			

✪ ***Overall Observations:***	
18	• Environmental data display board not installed on the main gate of the unit. • Unit is having 3 drums of sizes 8 x 67 ft used for vegetable tanning, oiling, millimg and 36 soak pit 6.3 x 6.3 x 7.5 ft. • Unit has not provided storage facility for the sludge generated from PETP, soak pits, which is sent to the agarbatti makers and no records/log book is being maintained for generation, storage and disposal. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Unit has applied for renewal of consent under Water Act, 1974 & Air Act, 1981. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
19.	• Environmental data display board not installed on the main gate of the unit. • Unit should provide storage facility for the sludge generated from PETP, soak pits and records/log book is to be maintained for generation, storage and disposal. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should obtain consent under Water Act, 1974 & Air Act, 1981 from UPPCB. • Housekeeping is not satisfactory.
20.	Inspecting team: Sh R. Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma R.A, ZO-Lucknow
21.	Date of Inspection: 24.10.2013

	INSPECTION REPORT OF M/S AMAN TANNERS (UNIT – 2)

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/S Aman Tanners, Unit-2 104-90a (17-A), Sanjay Nagar, 150 Ft. Road, Jajmau, Kanpur

✪ ***Overall Observations:***

2.	• Environmental data display board not installed on the main gate of the unit. • The unit was issued closure order by UPPCB on 28.01.2013 based on inspection of the unit by UPPCB officials dated 09.12.2010. • UPPCB revoke consent order on 06.07.2011 applied by the unit and directed unit to remain close its operation. • Further, closure order of the unit was revoked on 02.04.2013 by UPPCB, but as reported, unit has not started its operation and during inspection, unit was not in operation.
3.	Inspecting team : Sh R. Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma R.A, ZO-Lucknow
4.	Date of Inspection :24/10/2013

INSPECTION REPORT ON M/S PENJA TANNING INDUSTRIES

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Penja Tanning Industries 104/90 A(23A), Sanjay Nagar, Wazidpur, Jajmau, Knapur
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mohamod Shanawaz 9839434422 penzatan@gmail.com
3.	Date/Year of commissioning	1989
4.	Type of tanning	Chrome tanning
5.	Detail of tanning & associated processes	Raw to finished
6.	Installed processing capacity	No. of hides processed/day:180 hides Type of hide/skin (specify): Buffalo Hides processed(Ton/day): 9
7.	Present production status	No. of hides processed/day:180 hides Type of hide/skin (specify): Buffalo Hides processed(Ton/day): 9
8	Major raw materials consumed	

Chemicals	Quantity in kg/batch
Sodium sulphide	25
Lime	50
Sodium Bi-sulphate	8
Sulphuric acid	36
Common salt	36
BCS (fresh)	108
Recovered chrome (liquid)	70 liter
Recovered chrome (solid)	17kg
Synthetic, semi-synthetic, vegetable, fish oil, myrobalan, GS powder, Wattle Chest nut	36 36 36 36

9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP. Magnetic flow meter
10	Source of fresh water Water Consumption	bore well – 1no 150 KLD
✪ ***Waste Water – Generation & Treatment***		
11	Wastewater generation	• Chrome bearing stream: 3 KLD • Non-chrome bearing stream: 126KLD
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partial Segregation High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.	
13.	**Design detail for Primary Treatment Plant** • Capacity of Chrome Recovery Plant (CRP): 5 KLD • Primary Treatment Plant detail: <u>Collection cum equalization tank:</u>m^3 Length :6m Width :6m Depth :5m In addition two collection tank is available: 3 x 3 x 3 ft <u>Clarifier:</u>m^3 Length: 3.024 m Width: 3.024 m Depth: 2.13 m Conical depth: 1.5 m New circular clarifier capacity of 250 KL has been installed, yet to connect the pipelines. <u>Sludge Drying Beds</u>: 2 m x 3 m (3 nos)	
14.	**Design detail for Secondary Treatment Plant:** Discharge to CETP	

15.	Effluent characteristics(Primary)					
	Sl No.	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	TDS (mg/l)
	01	Inlet of collection cum Equalization tank	9.85	2729	88	7316
	02	Outlet of primary settling tank	7.67	5058	64	7790
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	BOILER: NA	
	Details of D.G Set	Capacity	Provided Acoustic enclosure
		250 KVA (2nos)	Without acoustic enclosure
17	Fuel Consumption in;	Type of fuel	Consumption
	DG set	Diesel	60 lph
18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	• Chemical sludge from ETP • Fleshing, shaving waste	110 Kg/day Data not available 200 Kg	Stored and disposed to TSDF
	Member of TSDF: Ramky & Membership No.: 228		

✪ ***Status of validity & compliance of consents and authorization***

19.	Consent/Authorization	
I	Under Water Act	31.12.13
II	Under Air Act	31.12.13
III	Authorization for handling of Hazardous Waste	Not available

✪ ***Overall Observations:***

20

- Unit is having 16 drums in which 8 drums used for tanning of size 9 x 9 ft, 4 drums for fat liquoring of sizes 10 x 10 ft & 4 drums for milling of sizes 10 x 11 ft and 12 paddles of size 10 x 8 ft.
- Unit has provided dedicated channel for carrying chrome wastewater to CRP, in which a channel carrying soak wastewater is also connected near the tanning section.
- Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated. UPPCB has also given in the consent condition for segregation and installation of salt recovery plant.
- During the inspection the PETP was operated. The unit has not provided distribution system in the settler, while pumping the effluent directly, settling of solids get disturbed, which shows higher value in the outlet. Higher value of T.Cr

	shows that the unit is not carrying out proper segregation. • Unit has installed new clarifier in which the pipelines are yet to be connected, once it comes to operation the existing clarifier will be removed. • Flexible pipeline is provided in the PETP. • Unit is not having proper storage area/facility for Fleshing and shavings waste. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (magnetic flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Unit have valid consent under Water Act, 1974 and not having consent under Air Act, 1981. • Unit is not having authorization for Hazardous Waste. • Unit is having two DG set of capacities 250 KVA each without acoustic enclosure. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21.	• Unit should remove the soak effluent carrying channel connecting the chrome effluent channel and ensure proper segregation of chrome bearing waste water alone to CRP. • Unit should take necessary steps/modification of PETP to achieve the discharge norms. • Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. As per UPPCB condition unit should install salt recovery system. • Unit should have with permanent pipeline system rather than flexible pipe in PETP. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Unit should maintain proper records/log book for PETP sludge generation, storage and disposal. • Unit should have proper storage area/facility for Fleshing and shavings waste and proper records need to be maintained for disposal. • Unit should install acoustic enclosure for the DG sets. • Unit should apply/obtain authorization for Hazardous Waste from UPPCB. • Housekeeping should be improved.
22.	Inspecting team: Sh Raj Kumar, Sc 'C', ZO-Bangalore Dr Rajnish Kumar Sharma R.A, ZO-Lucknow
23.	Date of Inspection: 24.10.2013

	INSPECTION REPORT OF M/S SEEMA TANNING IND. PVT. LTD.,

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Seema Tanning Ind. Pvt. Ltd., 104/90 A(16), Wazidpur, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Rizul Haq a.9839084602 b.0512-2463809 c. seemaexports@sify.com	
3.	Date/Year of commissioning	1984	
4.	Type of tanning	Chrome & vegetable Tanning	
5.	Detail of tanning & associated processes	Raw to finish	
6.	Installed processing capacity	No. of hides processed / day - 50 hides/day Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)-1.5 tonnes/day	
7.	Present production status	No. of hides processed / day-50 hides/day Type of hides / skin (specify)-Buffalo Hide processed (Tonnes /day)-1.5 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	25
		Lime	80
		Sodium bi-sulphate	4
		Sulphuric acid	28-30
		Common salt	90
		BCS (fresh)	45
		Recovered chrome (liquid)	100
		Recovered chrome (solid)	-
		Fat oil fish oil, GS Powder wattle Dye	50 5 28 35 8-6

9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.
10	Source of fresh water Water Consumption (M^3/day)	Bore well :1 No. Consented 40 KLD 24-32 KLD as per record
✪	***Waste Water – Generation & Treatment***	
11	Wastewater generation (M^3/day)	Consented 35 KLD Chrome bearing stream 100 lits Non-chrome bearing stream: 20-30 KLD
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partially segregated High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.	
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : 4 KL Primary Treatment Plant detail: <u>Equalization tank:</u> Length : 14 ft Width : 14 ft Depth : 10 ft <u>Clarifier</u> Length: 8 ft width : 8 ft Depth : 6 ft Cone : 4 ft Sludge Drying Beds : 12 x12 (2nos)	
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP	

15.	Effluent characteristics(Primary) :					
	S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	
	01	Equalisation tank	7.64	30	2.08	
	02	Final effluent from primary treatment plant	8.74	112	3.54	
	03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler 2TPH	Generator
	Chimney Details	50 ft	180 KVA
	APC Equipments Provided	No APC. Only stack	With Acoustic enclosure

17	Fuel Consumption	Type of fuel	Consumption	Used in
		Coal	200 Kg	boiler
		Diesel	20-22 lph	DG set

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	27 Kg/day	Stored in room & disposed to TSDF
	Fleshings,	70 kg/day	disposed to glue makers
	Shavings	200 kg/day	No storage facility and disposed
	Buffing	Not Available	to glue & leather board makers.
	Member of TSDF : Ramkey & Membership No. 317		

✪ ***Status of validity & compliance of consents and authorization***

19.	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	31.12.2013
III	Hazardous Waste authorization:	Applied for authorization

✪ ***Overall Observations:***

20

- Unit is having 10 drums of sizes 8 x 6 ft in which 4 drums are used for chrome tanning, 4 drums for vegetable tanning and 2 drums for milling and 8 paddles of size 10 x 8 ft in which 4 paddles are stand by.
- Unit provided dedicated channel for carrying chrome wastewater to CRP.
- Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated.

	• Unit is not having proper storage area/facility for Fleshing and shavings waste and no records maintained for disposal. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Unit has not provided any pollution control system for the emission from buffing machine, fugitive emission was observed during inspection. • Fresh water leakage was observed. • Unit have valid consent under Water Act, 1974 and Air Act, 1981. • Unit has applied for authorization for Hazardous Waste. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21.	• Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. • Fresh water leakages should be stopped. • Proper pollution control device should be attached to the buffing machine to avoid emission. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Unit should maintain proper records/log book for hazardous waste generation, storage and disposal. • Unit should have proper storage area/facility for Fleshing, shavings & buffing waste and proper records need to be maintained for disposal. • Unit should obtain valid authorization for Hazardous Waste. • Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :21/10/2013

	INSPECTION REPORT OF M/S KHALID LEATHER FINISHERS

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Khalid Leather Finishers. 3, Gajjupurwa, Jajmau, Kanpur

✪ ***Overall Observations:***

2.	• Environmental data display board not installed on the main gate of the unit. • No concern person is available in the unit and the gate was found locked.
3.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
4.	Date of Inspection :25/10/2013

	INSPECTION REPORT OF M/S NEW ERA TANNING CENTER		
✪	***General Information & Production Details***		
1.	Name and address of the industry	M/s New Era Tanning Center 105/100, Gajjupurwa, Kanpur	
2.	Name of the occupier/contact person with a. Telephone	Sh. Nawaz Ahamed a.9889199447	
3.	Date/Year of commissioning	1999	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Crust to Finish. Fat liquoring, dyeing, buffing, finishing	
6.	Installed processing capacity	No. of hides processed / day - 30 hides/day Type of hides / skin (specify)- Buffalo	
7.	Present production status	No. of hides processed / day - 30 hides/day Type of hides / skin (specify)- Buffalo	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sulphuric acid	5
		Synthetic, semi-synthetic, Vegetable, fish oil, myrobalan, GS, Powder wattle chest nut	18 24 18 48 60 18
		Dye & Pigments	24
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well :1 No. 20-25 KLD as per record Consented 49 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	18 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: NA		

13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : NA Primary Treatment Plant detail: <u>Collection Cum Equalization tank:</u> Length : 10.5 ft Width : 10.5 ft Depth : 12 ft <u>Clarifier</u> Length: 5.5 ft width : 10.5 ft Depth : 10.5 ft Cone : 7.5 ft Sludge Drying Beds : 6 ft x 7 ft x 4 ft (1no), & 6 ft x 8.5 ft x 3.5 ft (2 no)
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP
15.	Effluent characteristics(Primary) :

S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)
01	Collection tank	6.59	199	6.78
02	Effluent discharge to CETP	5.88	347	32.4
03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler 3.5 TPH	Generator
	Chimney Details	30 mt	180 KVA
	APC Equipments Provided	No. APC. only stack.	Without Acoustic enclosure

17	Fuel Consumption	Type of fuel	Consumption	Used in
		Coal	400 kg/day	boiler
		Diesel	12 lph	DG set

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	10 Kg/day	Stored & disposed to TSDF
	Shavings & Buffing	Not Available	No storage facility and disposed to animal feed food & leather board makers.
	Member of TSDF : Ramky & Membership No. 1353		

✪ ***Status of validity & compliance of consents and authorization***

19.	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	31.12.2013
III	Hazardous Waste authorization:	Not having authorization

	✪ ***Overall Observations:***
20	• Environmental data display board not installed on the main gate of the unit. • Unit is having proper storage facility for PETP sludge and not having log book for waste generation, storage and disposal. The solid waste from spray dying machine and ETP is being disposed to municipal solid waste. • The effluent from spray dying is being discharged to sewer. • Fresh water leakages was observed during inspection • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. Water meter in the outlet of PETP is found filled with water. • Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details. • Fugitive emission from buffing section is observed due to non-proper operation of emission control system bag filter attached to buffing machine. • Unit has DG set of capacity 180 KVA without acoustic enclosure. • Unit is not having records for ash generation and disposal. • Unit has valid consent under Water Act, 1974 & Air Act, 1981. • Unit is not having/applied for authorization for Hazardous Waste. • Housekeeping is not satisfactory.
	✪ ***Recommendations/Suggestion:***
21.	• Environmental data display board should be installed on the main gate of the unit. • Unit should stop disposing of solid waste from spray dying machine and PETP to municipal solid waste. • Unit should dispose the solid waste to TSDF and proper record/logbook is to be maintained for generation, storage and disposal • Unit should ensure that effluent from spray dying is to be taken to PETP before discharging to being CETP rather discharging to sewer. • Fresh water leakages should be avoided. • Water meter in the outlet of PETP should be repaired/ replaced. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Fugitive emission from buffing section should be avoided by proper operation of emission control system bag filter attached to buffing machine. • Unit should have DG set with acoustic enclosure. • Unit should have proper record for ash generation and disposal. • Unit should apply/obtain authorization for Hazardous Waste. • Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :25/10/2013

	INSPECTION REPORT OF M/S PAHALWAN TANNERY (UNIT 1)		
✪ ***General Information & Production Details***			
1.	Name and address of the industry	M/s G. P. Leathers (M/s Pahalwan Tannery (Unit 1)) 2-A, Gajjupurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Mufish a.9795427947 b. c.	
3.	Date/Year of commissioning	1994	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Fat liquoring & Dying only	
6.	Installed processing capacity	No. of hides processed / day - 25 sides/day Type of hides / skin (specify)- Buffalo	
7.	Present production status	No. of hides processed / day - 25 sides/day Type of hides / skin (specify)- Buffalo	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Caster oil GS Dye	10 5 2.5
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption (M^3/day)	Bore well :1 No. Consented: 6 KLD	
✪ ***Waste Water – Generation & Treatment***			
11	Wastewater generation (M^3/day)	4-5 KLD	

12.	**Description of Effluent Management: NA**
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : NA Primary Treatment Plant detail: <u>Equalization tank:</u> Length : 5 ft Width : 5 ft Depth : 10 ft <u>Clarifier</u> Length: 5 ft width : 5 ft Depth : 4 ft Cone : 6 ft Sludge Drying Beds : width 6 ft x length 5 ft x width 5ft width 5 ft x length 6 ft x width 4ft
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP At time of inspection no effluent was generated and sufficient quantity of effluent is not available in the collection tank to operate the PETP. So sampling is not carried out.

✪ ***Air Pollution – Emission Sources & Control***

15	Sources of air pollution	Boiler	Generator
	NA		
16	Fuel Consumption	NA	
17	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	data not available	
	Member of TSDF : No		

✪ ***Status of validity & compliance of consents and authorization***		
18.	Consent/Authorization	
I	Under Water Act:	Applied
II	Under Air Act:	NA
III	Hazardous Waste authorization:	not available
✪ ***Overall Observations:***		
19	• Unit is having 4 drums, in which 2 drums of size 8 x 8 ft, and another 2 drums of size 6 x 6 ft. • Unit has not provided storage facility for PETP sludge and no records/log book is being maintained for generation, storage and disposal. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Environmental data display board not installed on the main gate of the unit. • Unit has applied for renewal of consent under Water Act, 1974. • Unit is not having authorization for Hazardous Waste. • Unit is not member of any TSDF facility and no records for sludge disposal. • Housekeeping is not satisfactory.	
✪ ***Recommendations/Suggestion:***		
20.	• Unit should provide storage facility for PETP sludge and records/log book is to be maintained for generation, storage and disposal. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Environmental data display board not installed on the main gate of the unit. • Unit should obtain consent under Water Act, 1974 from UPPCB. • Unit should apply/obtain authorization for Hazardous Waste from UPPCB. • Unit should get TSDF membership for disposal of PETP Sludge. • Housekeeping is not satisfactory.	
21.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow	
22.	Date of Inspection :25/10/2013	

	INSPECTION REPORT OF M/S PAHALWAN TANNERY (UNIT 2)

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Pahalwan Tannery (Unit 2) 2-A, Gajjupurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Abdul Khelin a.9336124250 b. c.	
3.	Date/Year of commissioning	1998	
4.	Type of tanning	Chrome Tanning	
5.	Detail of tanning & associated processes	Raw to semi finish	
6.	Installed processing capacity	No. of hides processed / day - 20 hides/day Type of hides / skin (specify)- Buffalo Hide processed – 0.6 tonnes/day	
7.	Present production status	No. of hides processed / day - 20 hides/day Type of hides / skin (specify)- Buffalo Hide processed – 0.6 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	20
		Lime	40
		Sodium bi-sulphate	
		Sulphuric acid	22
		Common salt	85
		BCS (fresh)	45
		Fish oil	8
		GS	8
		Wattle	8
		Dye	4
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit.	

		• Water meter installed at final outlet of PETP.
10	Source of fresh water Water Consumption (M^3/day)	Bore well :1 No. Consented: 15 KLD
✪	***Waste Water – Generation & Treatment***	
11	Wastewater generation (M^3/day)	Chrome bearing stream: 0.1 lits Non-chrome bearing stream: 10 KLD
12.	**Description of Effluent Management:** Whether effluent segregation practiced: Partially segregated High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.	
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : CCRU member. Having open storage sump. Primary Treatment Plant detail: <u>Equalization tank:</u> Length : 6 ft Width : 6 ft Depth : 10 ft <u>Clarifier</u> Length: 6 ft width : 6 ft Depth : 4 ft Cone : 5 ft Sludge Drying Beds : 6 m x 3 m (2 nos)	
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP	
15.	Effluent characteristics(Primary) :	

S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	

	01	Final effluent from primary treatment plant	7.11	139	43.8	
	02	**Standard**	**6.5 – 9.0**	**Below 600**	**45**	

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	Generator
	NA		
17	Fuel Consumption	NA	
18	Management of hazardous wastes and other solid waste generation		

Type of Wastes	Quantity generated	Storage & Disposal
Chemical sludge from ETP	10 Kg/day	No Storage facility & disposed to TSDF
Fleshings, shavings	20 & 5 Kg/day	No storage facility provided and disposed to local vendors.

Member of TSDF : Ramky & Membership No. 1295

✪ ***Status of validity & compliance of consents and authorization***

19.	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	NA
III	Hazardous Waste authorization:	Not available

✪ ***Overall Observations:***

20

- Unit is having 3 drums of size 6 x 7 ft, in which one drum is not working and 6 soaking pits of size 5 x 5 x 6 ft.
- Unit is member of CCRU and provided an open storage sump for collection of chrome bearing waste water and no log book is being maintained for disposal to CCRU.
- During inspection, waste water logging in the kaccha lagoon/sump was observed and the wastewater from this area is directly pumped/bye passed to CETP conveyance channel.
- Unit is not having proper/dedicated channel for chrome wastewater discharge to collection sump.
- Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated.
- Unit has not provided storage facility for PETP sludge, Fleshing and shavings waste and no records/log book is being maintained for generation, storage and disposal.
- Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP.
- Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details.

	• Unit is not having separate energy meter for the PETP. • Environmental data display board not installed on the main gate of the unit. • Unit is not having authorization for Hazardous Waste. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21.	• Unit should provide closed shed for chrome bearing waste water storage sump and to maintain proper records/log book for disposal to CCRU. • Waste water logging in the kaccha lagoon/sump should be avoided and the effluent channels should be connected to PETP properly, without any bye-pass line. • Unit should have proper/dedicated channel for chrome wastewater discharge to collection sump. • Unit should segregate High TDS effluent from other process effluents and ensure proper treatment before discharge. • Unit should provide storage facility for PETP sludge, Fleshing and shavings waste and proper records/log book is to be maintained for generation, storage and disposal. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Unit is should have separate energy meter for the PETP and proper records/log book is to be maintained. • Environmental data display board should be installed on the main gate of the unit. • Unit should apply/obtain authorization for Hazardous Waste from UPPCB. • Housekeeping should be improved satisfactory.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :25/10/2013

	INSPECTION REPORT OF M/S PAHALWAN TANNERY (UNIT 3)

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Pahalwan Tannery (Unit 3) 2-A, Gajjupurwa, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. Fax c. e-mail	Sh. Moh. Aashif Shidhiqui a.9956294869 b. c. asif.786786@yahoo.com	
3.	Date/Year of commissioning	1996	
4.	Type of tanning	Chrome Tanning	
5.	Detail of tanning & associated processes	Raw to wet blue	
6.	Installed processing capacity	No. of hides processed / day - 30 hides/day Type of hides / skin (specify)- Buffalo Hide processed – 0.9 tonnes/day	
7.	Present production status	No. of hides processed / day - 30 hides/day Type of hides / skin (specify)- Buffalo Hide processed – 0.9 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	30
		Lime	100
		Sodium bi-sulphate	3
		Sulphuric acid	20
		Common salt	25
		BCS (fresh)	60
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water	Bore well :1 No.	

	Water Consumption (M^3/day)	Consented: 23 KLD
✪	***Waste Water – Generation & Treatment***	
11	Wastewater generation (M^3/day)	Chrome bearing stream: 0.5 lits Non-chrome bearing stream: 18 KLD
12.	**Description of Effluent Management:** Whether effluent segregation practiced: Partially segregated High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.	
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : CCRU member. Having open storage sump 6 x 6 x 6 ft. Primary Treatment Plant detail: <u>Equalization tank:</u> Length : 6 ft Width : 6 ft Depth : 10 ft <u>Clarifier</u> Length: 6 ft width : 6 ft Depth : 5 ft Cone : 5 ft Sludge Drying Beds : 5 m x 6 m x 3 m (3nos)	
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP	
15.	Effluent characteristics(Primary) :test report awaited	

S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)	
01	Effluent Discharged directly to CETP (Bye pass line)	7.57	393	29.2	

✪ ***Air Pollution – Emission Sources & Control***			
16	Sources of air pollution	Boiler	Generator
	NA		
17	Fuel Consumption	NA	
18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP Fleshings, shavings	700 Kg/month Not Available	Stored & disposed to TSDF Open storage facility provided and disposed to glue & leather board makers.
	Member of TSDF : Ramky & Membership No. 1042		
✪ ***Status of validity & compliance of consents and authorization***			
19.	Consent/Authorization		
I	Under Water Act:		31.12.2013
II	Under Air Act:		NA
III	Hazardous Waste authorization:		Applied for authorization
✪ ***Overall Observations:***			
20	• Unit is having 4 drums of size 8 x 8 ft, in which one drum is not working and 4 paddles of size 10 x 8 ft. • During inspection, unit was found operational and no effluent is flowing to PETP, bye pass line is found, which is connected directly to CETP conveyance channel. • Unit is member of CCRU and provided an open storage sump for collection of chrome bearing waste water and no log book is being maintained for disposal to CCRU. • Unit is not having proper/dedicated channel for chrome wastewater discharge to collection sump. • Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated. • Unit has provided open storage area/facility for Fleshing and shavings waste. • Unit has not provided storage facility for PETP sludge and no records/log book is being maintained for generation, storage and disposal. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Environmental data display board not installed on the main gate of the unit. • Unit have valid consent under Water Act, 1974. • Unit has applied for authorization for Hazardous Waste. • Housekeeping is not satisfactory.		

✪ ***Recommendations/Suggestion:***	
21.	• Unit shall remove/dismantle the non-working drum. • Unit should remove/close the bye pass line and ensure that effluent to be discharged after primary treatment. • Unit should provide closed shed for chrome bearing waste water storage sump and to maintain proper records/log book for disposal to CCRU. • Unit should have proper/dedicated channel for chrome wastewater discharge to collection sump. • Unit should segregate High TDS effluent from other process effluents and ensure proper treatment before discharge. • Unit has provided open storage area/facility for Fleshing and shavings waste, which is to be in closed shed. • Unit should provide proper storage facility for PETP sludge and to maintain records/log book for generation, storage and disposal. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Environmental data display board should be installed on the main gate of the unit. • Unit should get authorization for Hazardous Waste from UPPCB. • Housekeeping is to be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :25/10/2013

	INSPECTION REPORT OF M/S SOFIA INTERNATIONAL		
✪	***General Information & Production Details***		
1.	Name and address of the industry	M/s Sofia International 87 A, Wazidpur, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone b. e-mail	Sh. Nasik Aarfin a.9839068375 b.sofiaint786@yahoo.com	
3.	Date/Year of commissioning	1997	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Split leather is fat liquored	
6.	Installed processing capacity	No. of hides processed / day – 5 splits Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)-300 kg/day	
7.	Present production status	No. of hides processed / day – 5 splits Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)-300 kg/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Fat liquor Syntan Formic acid	14 4 0.6 %
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well :1 No. 4 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	Consented 3.5 KLD As per log book 1 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: NA		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : NA		

	Primary Treatment Plant detail: <u>Equalization tank:</u> Length : 6 ft Width : 6 ft Depth : 8 ft <u>Clarifier</u> Length: 5 ft width : 6 ft Depth : 5 ft Cone : 3 ft Sludge Drying Beds : 5 x 3 x 3.5 (2nos)
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP
15.	Effluent characteristics(Primary) At time of inspection no effluent was generated and sufficient quantity of effluent is not available in the collection tank to operate the PETP. So sampling is not carried out.

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	Generator	
	Chimney Details	NA	35 KVA	
	APC Equipments Provided		Without Acoustic enclosure	
17	Fuel Consumption	Type of fuel	Consumption	Used in
		Diesel	10-12 lph	DG set

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	20 Kg/day	Data not available
	shavings	35 kg/day	No storage facility and disposed to leather board makers.
	Member of TSDF : Not member		

✪ ***Status of validity & compliance of consents and authorization***

19.	Consent/Authorization	
I	Under Water Act:	Applied
II	Under Air Act:	Applied
III	Hazardous Waste authorization:	Authorization not available

	✪ ***Overall Observations:***
20	• Unit has two drums of size 6 x 8 ft. • Environmental data display board not installed on the main gate of the unit. • Unit has provided flexible pipe line in PETP rather than permanent pipeline system. • Sludge drying bed was found damaged/broken. At time of inspection, it was found that sludge present in the bed is being removed & loaded in tractor along with other waste materials, which is sent for disposal in municipal solid waste site. • Unit has not provided storage facility for PETP sludge and no records/log book is being maintained for generation, storage and disposal. • Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit has provided DG set of capacity 35 KVA without acoustic enclosure. • Unit is not having membership of TSDF for disposal of solid waste. • Unit has applied for renewal of consent under water Act & Air Act. • Unit is not having/applied for authorization for Hazardous Waste. • Housekeeping is not satisfactory.
	✪ ***Recommendations/Suggestion:***
21.	• Environmental data display board should be installed on the main gate of the unit. • Unit should provide permanent pipelines in PETP. • Sludge drying bed should be repaired. • Sludge generated from PETP should be disposed to TSDF rather than disposing to municipal solid waste disposal site. • Unit should provide storage facility for PETP Sludge and to maintain proper records/log book generation, storage and disposal. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should provide acoustic enclosure for the DG set. • Unit should obtain valid consent under water Act & Air Act. • Unit should apply/obtain authorization for Hazardous Waste. • Housekeeping should be improved.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :26/10/2013

	INSPECTION REPORT OF M/S TANNERS CO

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Tanners Co. 91 A, Wazidpur, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone	Sh. Sahabin Moin a.9889008703	
3.	Date/Year of commissioning		
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Split leather is fat liquored & dye	
6.	Installed processing capacity	No. of hides processed / day - 15 hides/day Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)-375 kg/day	
7.	Present production status	No. of hides processed / day - 15 hides/day Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)-375 kg/day	
8	Major raw materials consumed	Chemicals	Quantity
		Vernatm RET	4.5 %
		Axm	4%
		Sodium bi sulphide	1 %
		Sodium bi carbonate	3%
		Wattle	8%
		Fish oil	5.5%
		dye	1.5%
		GS powder	6%
		Formic Acid	1%
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water	Bore well :1 No.	

	Water Consumption	8 KLD	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	7 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: NA		
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : NA Primary Treatment Plant detail: <u>Equalization tank:</u> (2 nos) Length : 10 ft Width : 8 ft Depth : 15 ft <u>Clarifier</u> Length: 10 ft width : 8 ft Depth : 7 ft Cone : 5 ft Sludge Drying Beds : 8 x 4 x 3 (2nos)		
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP		
15.	Effluent characteristics(Primary) : At time of inspection no effluent was generated and sufficient quantity of effluent is not available in the collection tank to operate the PETP. So sampling is not carried out.		
✪	***Air Pollution – Emission Sources & Control***		
16	Sources of air pollution	Boiler	Generator
	Chimney Details	NA	
	APC Equipments Provided		
17	Fuel Consumption	NA	

18	Management of hazardous wastes and other solid waste generation		
	Type of Wastes	Quantity generated	Storage & Disposal
	Chemical sludge from ETP	12 Kg/day	No storage facility & disposed to TSDF
	Member of TSDF : Bharat oil & Membership No. BOWML/K/1173/13		
✪ ***Status of validity & compliance of consents and authorization***			
19.	Consent/Authorization		
I	Under Water Act:		31.12.2013
II	Under Air Act:		NA
III	Hazardous Waste authorization:		Applied for authorization
✪ ***Overall Observations:***			
20	• Environmental data display board not installed on the main gate of the unit. • Fresh water leakage was observed. • Unit has not provided storage facility for PETP sludge and no records/log book is being maintained for generation, storage and disposal. • Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit has applied for authorization for Hazardous Waste. • Housekeeping is not satisfactory.		
✪ ***Recommendations/Suggestion:***			
21.	• Environmental data display board should be installed on the main gate of the unit. • Fresh water leakages should be stopped. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should provide storage facility for PETP Sludge and to maintain proper records/log book generation, storage and disposal. • Unit should obtain valid authorization for Hazardous Waste. • Housekeeping should be improved.		
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow		
23.	Date of Inspection :26/10/2013		

	INSPECTION REPORT OF M/S YUSUF ENTERPRISES

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Yusuf Enterprises 174, Wazidpur, Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone	Sh. Aashif Makbul a.9935945360	
3.	Date/Year of commissioning	1997	
4.	Type of tanning	Chrome & vegetable Tanning	
5.	Detail of tanning & associated processes	Raw to finish	
6.	Installed processing capacity	No. of hides processed / day - 30 hides/day Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)-0.9 tonnes/day	
7.	Present production status	No. of hides processed / day - 30 hides/day Type of hides / skin (specify)- Buffalo Hide processed (Tonnes /day)-0.9 tonnes/day	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Sodium sulphide	22
		Lime	52
		Sodium bi-sulphate	15
		Sulphuric acid	22
		Common salt	45
		BCS (fresh)	45
		Recovered chrome (liquid)	5
		Recovered chrome (solid)	-
		Synthetic, semi-synthetic, Vegetable, fish oil, myrobalan, GS, Powder wattle chest nut	

9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.
10	Source of fresh water Water Consumption	Bore well :1 No. 23 KLD consented 29-31 KLD as per log book
✪	***Waste Water – Generation & Treatment***	
11	Wastewater generation	Consented 18 KL Chrome bearing stream 65 lits Non-chrome bearing stream: 20 KLD
12.	**Description of Effluent Management** Whether effluent segregation practiced: Partially segregated High TDS effluent and other process effluents are not segregated only Chrome bearing effluent is segregated.	
13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant, CRP (m^3) : 3 KL Primary Treatment Plant detail: <u>Equalization tank:</u> Length : 5 ft Width : 6 ft Depth : 10 ft <u>Clarifier</u> Length: 5 ft width : 5 ft Depth : 5 ft Cone : 4 ft Sludge Drying Beds : 5 x 4 (2nos)	
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP	
15.	Effluent characteristics(Primary) :	

S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)
01	Collection tank tank	8.5	777	41.3
02	Final effluent from primary treatment plant	8.7	750	28.4
03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**

✪ ***Air Pollution – Emission Sources & Control***					
16	Sources of air pollution	Boiler		Generator	
	Chimney Details	NA		82 KVA 40 KVA (not working)	
	APC Equipments Provided			Without Acoustic enclosure	
17	Fuel Consumption	Type of fuel		Consumption	Used in
		Diesel		8 lph	DG set
18	Management of hazardous wastes and other solid waste generation				
	Type of Wastes	Quantity generated		Storage & Disposal	
	Chemical sludge from ETP	1 – 1.5 TPM		No storage facility & disposed to TSDF	
	Fleshings, Shavings & buffing waste	60 Kg 30 kg		No storage facility and disposed to glue & leather board makers.	
	Member of TSDF : Ramky & Membership No. 281				
✪ ***Status of validity & compliance of consents and authorization***					
19	Consent/Authorization				
I	Under Water Act:			Applied	
II	Under Air Act:			Applied	
III	Hazardous Waste authorization:			Applied for authorization	
✪ ***Overall Observations:***					
20	• Environmental data display board not installed on the main gate of the unit. • Unit is having 6 drums in which 4 drums of sizes 6 x8 ft (1 non-working), remaining 2 drums of size 8 x 8 ft (both not working) and 6 paddles in which 2 paddles of size 10 x 10 ft., remaining 4 paddles of size 6 x 6 ft. • Water consumption & waste water discharge is observed more than the consented quantity. • Unit is not having proper/dedicated channel for carrying chrome wastewater to CRP. • Unit is not segregating High TDS effluent and other process effluents, only Chrome bearing effluent is being segregated. • Unit has provided a bye-pass channel at the inlet of collection tank, which connects the CETP conveyance line. • Unit has provided flexible pipeline in the PETP. • During the inspection the PETP was operated and the analysis value of the samples shows higher value of TSS, which shows improper operation & maintenance of PETP. • Unit is not having proper storage area/facility for PETP sludge, Fleshing and shavings waste and also no records is being maintained for generation, storage and disposal. • Unit has provided 2 nos. of Sludge drying bed in which one SDB is filled with waste materials. • Log book for the chemical consumption in PETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP.				

	• Unit is not maintaining proper records/log book for chemical consumption, raw hides purchase and production details. • Unit is having a Buffing machine, which is not having proper emission control system. • Unit has applied for renewal of consents under Water Act, 1974 Air Act, 1981 and authorization for Hazardous Waste. • Unit is having DG set of capacities 82 KVA & 40 KVA without acoustic enclosure and it was informed that 40 KVA DG set is not working. • Housekeeping is not satisfactory.
✪ ***Recommendations/Suggestion:***	
21.	• Environmental data display board not installed on the main gate of the unit. • Unit should take necessary steps/modification of PETP to achieve the discharge norms. • Unit should have proper dedicated channel for carrying chrome bearing waste water to CRP. • Unit should segregate high TDS effluent from other stream and ensure proper treatment of it. • Unit should use the water & discharge the wastewater as per the consented quantity. • Unit should remove/dismantle all non-working drums. • Unit should remove the bye-pass channel provided at the inlet of collection tank, which connects the CETP conveyance line. • Unit should provide permanent pipe line system rather than having flexible pipe. • Unit should have proper storage area/facility for PETP sludge, Fleshing and shavings waste and maintain records/ logbook for generation, storage and disposal. • Unit should remove the filled waste materials present in the sludge drying bed. • Unit should maintain proper records/log book for chemical consumption, raw hides purchase and production details. • Buffing machine should be provided with proper emission control system. • Unit should provide acoustic enclosure for the DG sets. • Unit should obtain valid consents under Water Act, 1974 Air Act, 1981 and authorization for Hazardous Waste from UPPCB. • Housekeeping is not satisfactory.
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
23.	Date of Inspection :21/10/2013

	INSPECTION REPORT OF M/S NAGAURI TANNING IND.

✪ ***General Information & Production Details***

1.	Name and address of the industry	M/s Nagauri Tanning Ind. Wazidpur, Jajmau, Kanpur

✪ ***Overall Observations:***

2.	• Environmental data display board not installed on the main gate of the unit. • Unit has 2 DG sets of capacities 75 KVA each without acoustic enclosure. • Unit has PETP consisting of Collection cum Equalization tank, clarifier and Sludge Drying Beds. It was observed that SDB is filled with junk materials. • The inspection team had discussion with Mr. Fahzan Solanki, who refused to provide the information/data and forcefully, the team was not allowed to inspect the unit and sent out by the workers. The above physical observation was made since it is near the office building.

✪ ***Recommendations/Suggestion:***

3.	• Environmental data display board should be installed on the main gate of the unit. • Unit should provide acoustic enclosure for the DG sets. • Junk materials present in the SDB should be removed and ensure proper operation of PETP. • Action shall be taken against the unit for not allowing the team/officials for inspecting the unit.
4.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow
5.	Date of Inspection :26/10/2013

	INSPECTION REPORT OF M/S Z. R. LEATHER FINISHERS		
✪	***General Information & Production Details***		
1.	Name and address of the industry	M/s Z. R. Leather Finishers 263 B, Wazidpur Jajmau, Kanpur	
2.	Name of the occupier/contact person with a. Telephone	Sh. Masiuddin Ansari a.9935967869	
3.	Date/Year of commissioning	1998	
4.	Type of tanning	NA	
5.	Detail of tanning & associated processes	Split leather is fat liquored and dye	
6.	Installed processing capacity	No. of hides processed / day – 30 split/day Type of hides / skin (specify)- Buffalo	
7.	Present production status	No. of hides processed / day – 30 split/day Type of hides / skin (specify)- Buffalo	
8	Major raw materials consumed	Chemicals	Quantity in Kg/ batch
		Oil Dying Wattle Fish oil Pigment	20 12 15% 4.5% 12 kg
9.	Status of fresh water metering system (Available)	• Water meter installed at intake (bore well) of the unit. • Water meter installed at final outlet of PETP.	
10	Source of fresh water Water Consumption	Bore well :1 No. 5.25 KLD consented 3.5 KLD as per log book	
✪	***Waste Water – Generation & Treatment***		
11	Wastewater generation	3 KLD	
12.	**Description of Effluent Management** Whether effluent segregation practiced: NA		

13.	**Design detail for Primary Treatment Plant** Capacity of Chrome Recovery Plant,CRP (m^3) : NA Primary Treatment Plant detail: <u>Equalization tank:</u> Length : 2.1 m Width : 2.2 m Depth : 2.4 m <u>Clarifier</u> Dia 2.9 m, depth 1.10 m Sludge Drying Beds : 2 x 1.6 x0.8 (2 nos)
14.	**Design detail for Secondary Treatment Plant:** Discharged To CETP
15.	Effluent characteristics(Primary) :

S No	Location of sample	pH	TSS (mg/l)	Cr (T) (mg/l)
01	Collection tank	6.8	30.14	1.15
02	Final effluent from primary treatment plant	6.2	264	12.5
03	**Standard**	**6.5 – 9.0**	**Below 600**	**45**

✪ ***Air Pollution – Emission Sources & Control***

16	Sources of air pollution	Boiler	Generator
	Chimney Details	NA	
	APC Equipments Provided		
17	Fuel Consumption	NA	
18	Management of hazardous wastes and other solid waste generation		

Type of Wastes	Quantity generated	Storage & Disposal
Chemical sludge from ETP	3 Kg/day	No storage facility & no information about disposal
Shavings & buffing waste	2 TPM	No storage facility and disposed to leather board makers.

	Member of TSDF : Not member

✪ ***Status of validity & compliance of consents and authorization***		
19.	Consent/Authorization	
I	Under Water Act:	31.12.2013
II	Under Air Act:	NA
III	Hazardous Waste authorization:	Authorization not available
✪ ***Overall Observations:***		
20	• Unit has 3 drums of size 7 x 8 ft. • Environmental data display board not installed on the main gate of the unit. • The analysis result shows that the unit is not carrying out proper neutralisation. • Unit has provided flexible pipe line in PETP rather than permanent pipeline system. • Unit has not provided storage facility for PETP sludge, shaving & buffing waste and no records/log book is being maintained for generation, storage and disposal. • Unit is not maintaining proper records/log book for chemical consumption, hides purchase and production details. • Log book for the chemical consumption in ETP, water consumption & effluent discharge was maintained. Water meter (mechanical flow meter) installed at the intake and final out let of PETP. • Unit is not having membership of TSDF for disposal of solid waste. • Unit has valid consent under water Act. • Unit is not having/applied for authorization for Hazardous Waste. • Housekeeping is not satisfactory.	
✪ ***Recommendations/Suggestion:***		
21.	• Environmental data display board should be installed on the main gate of the unit. • Unit should carry out proper neutralisation. • Unit should provide permanent pipelines in PETP. • Unit should provide storage facility for PETP Sludge, shaving waste & buffing waste and ensure proper disposal of PETP sludge and also to maintain proper records/log book generation, storage and disposal. • Unit should maintain proper records/log book for chemical consumption, hides purchase and production details. • Unit should apply/obtain authorization for Hazardous Waste. • Housekeeping should be improved.	
22.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow	
23.	Date of Inspection :26/10/2013	

	List of Closed Units
1.	The following industries were found permanently closed and no industrial activity is taking place. 38. M/s Swedeshi Pesticides Pvt Ltd, Pokharpur, Kanpur 39. M/s Swedeshi Insecticides Pvt Ltd, Pokharpur, Kanpur 40. M/s New Light Tannery Pvt. Ltd, 150 ft Road, Jajmau, Kanpur 41. M/s Roshan Tanners, Laltupurwa, Jajmau, Kanpur 42. M/s Penja Leathers, 104/90(24a), Sanjay Nagar, Jajmau, Kanpur 43. M/s Nisar Sons (Lari Tannery), 166, Gajjupurwa, Jajmau, Kanpur
2.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow

	List of Units Not Traceable
1.	The following industries were found permanently closed and no industrial activity is taking place. 44. M/s K. P. Chemi Colour, Panki, Kanpur 45. M/s Ganjiwala Pvt Ltd, Pokharpur, Kanpur 46. M/s Rahim Tanners (Sara International), 150 ft Road, Jajmau, Kanpur 47. M/s Universal Tanning Ind., 150 ft Road, Jajmau, Kanpur
2.	Inspecting team : Sh. R.Rajkumar, Sci C, ZO-Bangalore Dr. H. V. Jigyasu, RA, ZO-Lucknow

INSPECTION REPORT OF SAF YEAST CO. PVT. LTD.,

A.GENERAL INFORMATION		
1	Name of the Unit and Address	M/s Saf Yeast Co. Pvt. Ltd., 101 UPSIDC Industrial Area Sandila, Hardoi dist. (U.P)
2	Name of the Proprietor/Contact Person – Designation Contact No. and Fax No.	Sh. G. R. Sadhale General Manager 05854-271237
3	Year of Commissioning	1990
4	Sector	Private: Large
5	Production Capacity ➢ Products ➢ Installed Production Capacity ➢ Present Production	 Bakers Yeast 100 MTPD 52 MTPD
6	Raw Materials & their requirement	Molasses – 1200 quintals/day Ammonia – 1400 kg/day Phosphoric Acid – 800-900 kg/day Soda Ash – 2 TPD

B: WATER POLLUTION AND ITS CONTROL		
1	Water Supply Source Water Consumption (KLD) ➢ Industrial ➢ Domestic	Bore well 5 nos 1500 KLD 150 KLD
2	Waste Water Generation (KLD) ➢ Industrial ➢ Domestic	 500 KLD 20 KLD
3	Waste Water After Evaporation(KLD) ➢ Industrial ➢ Domestic	 500 KLD 20 KLD
4	Details of ETP ➢ ETP Description with flow diagram ➢ Details of RO	 ETP consist anaerobic digestor followed by RO. The unit three stages of RO plants. 1st stage two plants of capacities 500 & 450 KLD 2nd stage two plants of capacities 220 & 160 KLD 3rd stage of capacity 220 KLD (reject of 1st & 2nd stage is feed of 3rd stage RO)

	➢ Details of Multi Effect Evaporator	Unit has installed 7 stage MEE capacity of 450 KLD. Concentrate from the MEE will be blended with rice husk in the drum dryer and the blend will be used as boiler feed. (yet to start trail run)
5	Status of Consent under the Water Act 1974	Valid Till 31.12.2013

B: Air Pollution and its Control		
1	Sources of Air Pollution	Boiler 3 nos – 2, 2.3 & 3 TPH
2	➢ Type of Fuel with consumption ➢ Stack details with APCs	Bio-gas & Furnace oil Stack of height 30 mts
3	Status of Consent under the Air Act 1981	Valid upto 2013

C:Waste Management		
1	Type & Quantity of Waste Generated	No information about digestor sludge.
2	Facility of Storage/Disposal	
3	Disposal of Waste	

D. Other informations		
1	Name of the officials inspecting	Sh. R. Rajkumar, Sc 'C' Dr. Rajesh Kumar, RA
2	Date of Inspection	27.10.2013

Observations:

- The industry is involved in production of Bakers Yeast of installed capacity 100 TPD, the present production is about 52 TPD.

- The industry generates about 500 KLD of effluent which is treated in the ETP consists of Bio digestor followed by 3 stage RO system. RO reject is again taken to the bio digestor. RO permeate is being stored in the kaccha lagoon.

- The industry has installed 7 stage MEE capacity of 450 KLD. Concentrate from the MEE will be blended with rice husk in the drum dryer and the blend will be used as boiler feed (yet to start trail run).

- The unit has 27 lagoons, sizes of the lagoon is given in the annexure 1, which are filled with effluent. Other than these 27 lagoons the industry is having kaccha lagoon filled with effluent and also the effluent discharge on the land was observed.

- The industry is not having proper sludge drying bed for the sludge generated from digestor and having no records of sludge generation and disposal.

- The industry has installed spray jet guns around the lagoons.

- Loni drain is flowing through the industry. During inspection lean flow was observed and samples were collected at upstream & downstream of the drain. Analysis result of the samples collected is given below.

Sample Location	pH	TSS	TDS	BOD	COD
Inlet of Bio bigestor	5.2	2580	62700	45500	114201.2
Outlet of Bio bigestor	7.8	1812	-	29500	71656
RO permeate	6.0	7.77	-	66.4	181.4
L.Drain Upstream	7.5	66.4	-	1.92	28.3
L.Drain downstream	7.5	29	-	1.88	24.4

The BOD removal in biodigestor is 35% only, which shows the biodigestor is not working efficiently.

Recommendation:

- The industry should stop the storage of untreated effluent in the kaccha lagoon and discharge on the open land.

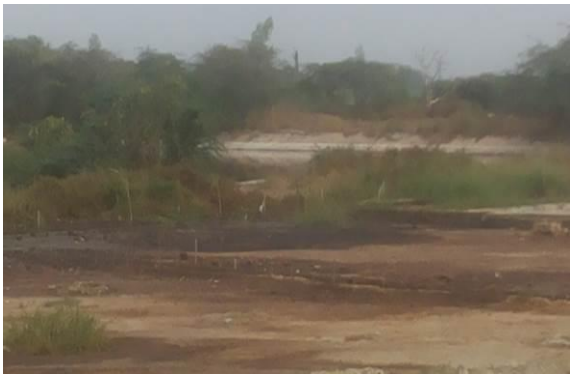
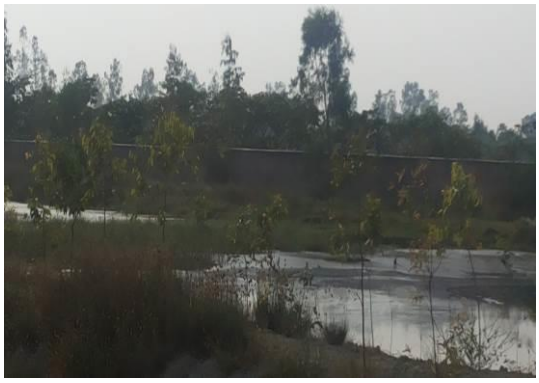
- The industry shall be directed to stop its production until the unit treat the stored effluent and dismantle all the lagoons in time frame manner. The unit should have storage capacity of effluent as per the guidelines.

- The unit should have proper storage system for the RO permeate and ensure proper utilization/re-use of RO permeate.

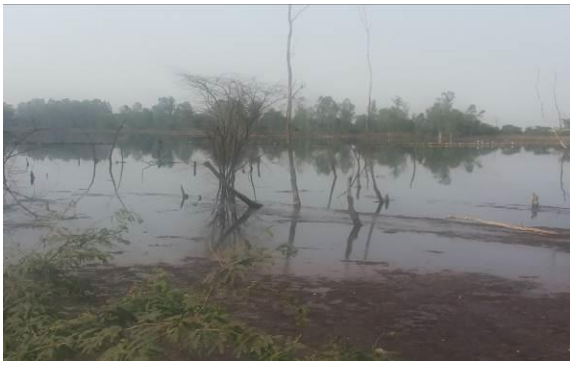
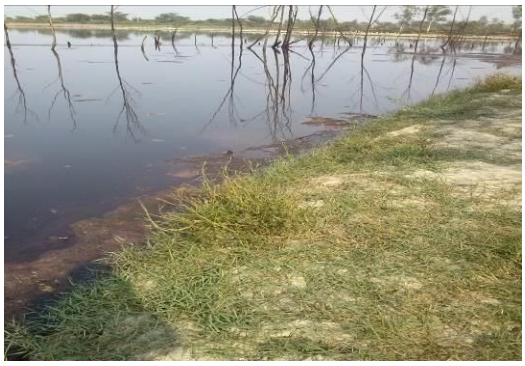
- The industry should have proper sludge drying bed for the sludge generated from digestor and proper record shall be maintained for generation and disposal.

- The industry should operate the bio digester efficiently for higher removal efficiency.

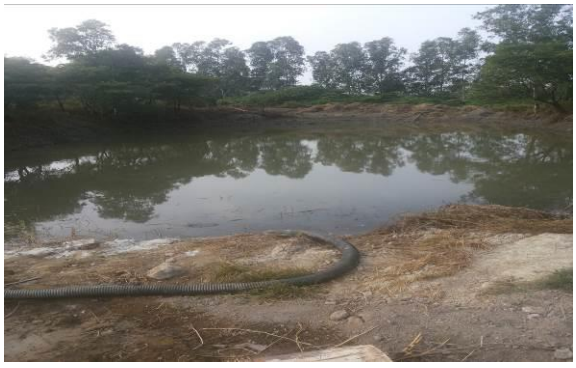
Photographs

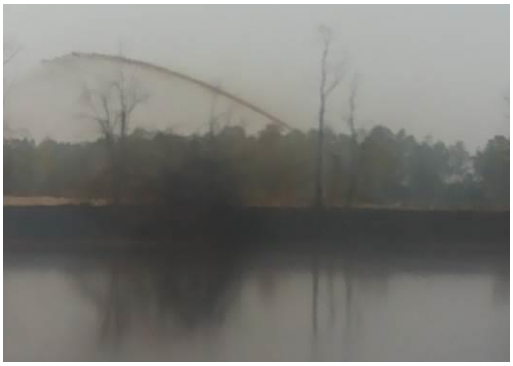
Land Discharge

Storage of effluent in Kaccha Lagoon



RO permeate Storage lagoon



Spray gun

MEE

Rotary Mixer