



Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V

Once completed, please submit this form either via email to info-der@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation

Locked Bag 33 Cloisters Square

PERTH WA 6850

Section A – Licence Details

| | | | |
|---------------------|--|----------------------|--|
| Licence number: | L8010/1989/13 | Licence file number: | |
| Licence holder: | Prime Meat Processors | | |
| Trading as: | Avon Valley Abattoir | | |
| ACN: | 618 734 875 | | |
| Registered address: | Paragon Consultants First Floor 160 Stirling Highway NEDLANDS WA 6009 | | |
| Reporting period: | 1 /09 /2020 to 31 /08/2021 | | |

Section B – Statement of Compliance with Licence Conditions

Did you comply with all of your licence conditions during the reporting period?

(please tick the appropriate box)

Section B – Statement of Compliance with Licence Conditions

Yes -- please complete:

- section C;
- section D if required; and
- sign the declaration in Section F.

No -- please complete:

- section C;
- section D if required;
- section E; and
- sign the declaration at Section F.

Section C – Statement of Actual Production

Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.

| Prescribed Premises Category | Actual Production Quantity |
|------------------------------|---|
| Category 15 - Abattoir | See Attachment 1 of Annual Environmental Report |
| Category 83 – Fellmongering | |

Section D – Statement of Actual Part 2 Waste Discharge Quantity

Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.

| Prescribed Premises Category | Actual Part 2 Waste Discharge Quantity |
|---------------------------------|--|
| See Attachment 1, Section A & B | See Attachment 1, Section A & B |

Attachment 1

SUMMARY

In the 2020-2021 reporting period, Avon Valley Abattoir has continued to make improvements to the management of waste and monitoring and recording of waste outputs.

AVA continues to have all by-products from the slaughtering process directed to an offsite rendering facility which has resulted in no odour complaints this year.

The monitoring of the water quality from the final pond continues and the water quality results continue to be at lower levels of nutrient than the previous reporting period. AVA are also in the process of completing an updated Nutrient Irrigation Management Plan. AVA continue to irrigate over the extended area allowed under the Environmental Protection Notice. A cropping plan has been developed to ensure that maximum nutrient removal can be achieved resulting in a nutrient in, nutrient out balance.

Solid waste has been consistently spread over the solid waste area avoiding stockpiling of paunch.

MONITORING OF INPUTS AND OUTPUTS

SECTION A - ACTUAL WASTE DISCHARGE QUANTITIES

Actual waste discharge quantities are shown in Table A.1 and Table A.2.

TABLE A.1

TABLE A.2

| DATE | Nitrogen mg/L | Phosphorous mg/L | Biochemical Oxygen Demand mg/L | Total dissolved solids mg/L | pH |
|------------|---------------|------------------|--------------------------------|-----------------------------|-----|
| 1/09/2020 | 290 | 20 | 100 | 850 | 8.2 |
| 7/09/2020 | 290 | 19 | 100 | 880 | 8.1 |
| 14/09/2020 | 280 | 19 | 42 | 900 | 8.1 |
| 5/10/2020 | 260 | 19 | 73 | 980 | 8 |
| 12/10/2020 | 270 | 5 | 72 | 1100 | 8 |
| 19/10/2020 | 260 | 23 | 41 | 930 | 9 |
| 26/10/2020 | 220 | 19 | 76 | 1000 | 7.8 |
| 2/11/2020 | 210 | 18 | 75 | 1200 | 7.9 |
| 9/11/2020 | 200 | 16 | 65 | 800 | 7.9 |
| 24/11/2020 | 170 | 17 | 180 | 940 | 7.8 |
| 2/12/2020 | 130 | 20 | 240 | 970 | 8.1 |
| 7/12/2020 | 99 | 16 | 66 | 870 | 7.8 |
| 14/12/2020 | 130 | 17 | 66 | 1100 | 7.9 |
| 21/12/2020 | 120 | 19 | 140 | 1200 | 7.7 |
| 4/01/2021 | 77 | 17 | 170 | 1100 | 7.7 |
| 12/01/2021 | 68 | 20 | 140 | 1200 | 7.8 |
| 18/01/2021 | 69 | 18 | 140 | 1300 | 7.6 |
| 27/01/2021 | 72 | 21 | 110 | 1200 | 7.7 |
| 8/02/2021 | 68 | 18 | 91 | 1300 | 7.8 |
| 15/02/2021 | 67 | 20 | 100 | 1300 | 7.8 |
| 22/02/2021 | 68 | 17 | 88 | 1300 | 7.5 |
| 4/03/2021 | 110 | 13 | 95 | 940 | 7.9 |
| 18/03/2021 | 53 | 14 | 150 | 1100 | 7.7 |
| 23/03/2021 | 37 | 13 | 61 | 1100 | 7.9 |
| 27/04/2021 | 65 | 20 | 66 | 1300 | 7 |
| 25/05/2021 | 160 | 20 | 110 | 1300 | 8.1 |
| 8/06/2021 | 190 | 20 | 100 | 1200 | 8.2 |
| 14/06/2021 | 180 | 20 | 41 | 1100 | 8 |
| 13/07/2021 | 140 | 16 | 39 | 940 | 7.8 |
| 3/08/2021 | 130 | 17 | 43 | 830 | 8.2 |
| 30/08/2021 | 140 | 18 | 24 | 980 | 8.2 |
| AVERAGE | 149 | 18 | 94 | 1071 | 8 |

Based on the average nutrient levels in the irrigation water shown in TABLE A.2 the emission loadings are shown in Table A.3

TABLE A.3

| | OPENING READING 31/10/2020 | CLOSING READING 31/08/2021 | WATER DISCHARGE VOLUME FOR 10 MONTHS | PRO RATA QTY FOR 12 MONTHS | CONVERSION FROM M3 TO LITRES / PA |
|-----------|-------------------------------|-------------------------------|--------------------------------------|----------------------------|-----------------------------------|
| WATER QTY | 20347.00 | 35701 | 15354.00 | 18424.8 | 18424800 |

| AVG | mg/l | kg/l | L / PA | KG / PA | HA | KG / HA / PA | KG / HA / DAY |
|-----|--------|----------|-------------|---------|-------|--------------|---------------|
| N | 149.00 | 0.000149 | 18424800.00 | 2745.30 | 15.15 | 181.21 | |
| P | 18.00 | 0.000018 | 18424800.00 | 331.65 | 15.15 | 21.89 | |
| BOD | 94.00 | 0.000094 | 18424800.00 | 1731.93 | 15.15 | 114.32 | 0.31 |

| Nutrient | Discharge per year | Licence Limits |
|-------------------|-------------------------|------------------|
| Total Nitrogen | 181.21 kg/hectare/annum | 480 kgs/Ha/annum |
| Total Phosphorous | 21.89 kgs/annum | 120 kgs/Ha/annum |
| BOD | 0.31 kg/hectare/day | 30/kgs/Ha/day |

*Note: This takes into consideration the area allowable for irrigation under the EPN and updated NIMP.

SECTION B- ACTUAL PRODUCTION

Table B.1 shows input numbers of stock and skins processed whilst Table B.2 shows outputs of carcase weights and paunch material.

TABLE B.1

| | | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | TOTAL | SKINS TOTAL |
|-------|--------|-----------|---------|----------|----------|---------|----------|-------|-------|------|------|------|--------|--------|-------------|
| | | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | HD | |
| BEEF | TOTALS | 1665 | 3317 | 3620 | 2970 | 2373 | 2385 | 2026 | 1482 | 3621 | 1227 | 1069 | 1046 | 24799 | 0 |
| | BULL | 128 | 102 | 143 | 152 | 48 | 84 | 130 | 109 | 203 | 42 | 76 | 54 | | |
| | MALE | 754 | 424 | 718 | 716 | 378 | 551 | 496 | 548 | 563 | 543 | 243 | 298 | | |
| | FEMALE | 116 | 1502 | 1662 | 1125 | 1359 | 1203 | 1021 | 566 | 661 | 476 | 460 | 427 | | |
| | COW | 663 | 1269 | 1094 | 975 | 585 | 545 | 375 | 258 | 194 | 164 | 287 | 265 | | |
| | Veal | 4 | 0 | 3 | 2 | 1 | 2 | 4 | 1 | 0 | 2 | 3 | 2 | | |
| SHEEP | TOTALS | 6671 | 7648 | 8200 | 6685 | 6344 | 6423 | 6221 | 5698 | 6572 | 5416 | 4975 | 5094 | 75948 | 75948 |
| | SHEEP | 1159 | 1292 | 2295 | 1273 | 675 | 873 | 1250 | 719 | 817 | 421 | 762 | 520 | | |
| | LAMB | 4751 | 5076 | 4668 | 4135 | 4086 | 4405 | 4046 | 4096 | 4936 | 4084 | 3507 | 3558 | | |
| | RAM | 761 | 1330 | 1237 | 1278 | 1583 | 1145 | 925 | 881 | 819 | 911 | 706 | 1016 | | |
| GOAT | TOTALS | 43 | 224 | 10 | 321 | 191 | 65 | 358 | 139 | 348 | 255 | 101 | 48 | 2103 | 2103 |
| | u10 kg | 6 | 37 | 1 | 36 | 0 | 3 | 10 | 5 | 49 | 63 | 11 | 0 | | |
| | o10 kg | 37 | 187 | 9 | 285 | 191 | 62 | 348 | 134 | 299 | 192 | 90 | 48 | | |
| | | | | | | | | | | | | | | 102850 | 78051 |

Total number of units processed was 102 850 head and of that number 78 051 skins were processed in the skins salting area.

TABLE B.2

| | | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | TOTAL | DRESS | Gr. LWT (SI) | PAUNCH |
|-------|--------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|---------|---------|--------------|---------|
| | | | | | | | | | | | | | | | KGS | % | KGS |
| BEEF | TOTALS | 628519 | 755543.9 | 880172 | 748249.1 | 598051.3 | 586023.82 | 518138 | 384989.7 | 448180.8 | 314320.8 | 251363.2 | 249252 | 6360404 | 54% | 11778525 | 176678 |
| | BULL | 17194.8 | 30573.4 | 42900 | 43965.6 | 17325.4 | 30243.4 | 51103.4 | 29160.2 | 66494.0 | 14281.8 | 26568.4 | 18123.6 | | | | |
| | MALE | 194165.4 | 109631 | 203501.2 | 199761.4 | 98216 | 145029.02 | 134519.8 | 144108 | 150366.2 | 151579.6 | 64171 | 74733.6 | | | | |
| | FEMALE | 244508 | 329549 | 374062.8 | 267304.9 | 332972.8 | 274190.4 | 244570.4 | 133593.9 | 157252 | 107579 | 93923.6 | 93143.6 | | | | |
| | COW | 150305.6 | 285790.5 | 259952.8 | 237143.2 | 149449.9 | 116390.2 | 97568 | 65448.2 | 74067.8 | 40703 | 66483.6 | 63108 | | | | |
| | Veal | 235.2 | 0 | 255.2 | 168 | 87.4 | 170.8 | 176.4 | 79.4 | 0 | 177.4 | 214.6 | 147.2 | | | | |
| SHEEP | TOTALS | 158736.95 | 186271.9 | 207355.9 | 168322.4 | 162827.64 | 157133.85 | 145100.15 | 134641.22 | 148710.8 | 132790.25 | 119090.22 | 128148.35 | 1840190 | 50% | 368380 | 55476 |
| | SHEEP | 10791.2 | 31673.55 | 54545.1 | 30736.7 | 16313.0 | 20960.15 | 28944.1 | 17449.25 | 19436.95 | 10670.8 | 20129.5 | 12933.95 | | | | |
| | LAMB | 98492.6 | 105064.6 | 103166.05 | 88391.1 | 89335.24 | 91992.2 | 82862 | 83722.57 | 100722.2 | 85587.4 | 71543.67 | 77230.7 | | | | |
| | RAM | 29473.15 | 49533.75 | 49644.75 | 49000.0 | 57578.8 | 44181.5 | 33334.05 | 33464.4 | 28551.65 | 35532.05 | 27417.05 | 37984.2 | | | | |
| | GOAT | TOTALS | 857.7 | 3486 | 191.1 | 5685.3 | 3254.0 | 967.15 | 5847.4 | 1900.75 | 5140.45 | 1341.05 | 1570.65 | 978.05 | 33220.7 | 50% | 66441.4 |
| 10 kg | 43.05 | 288.15 | 7.35 | 287.4 | 0 | 25.15 | 91.55 | 47.7 | 407.1 | 483.7 | 93.1 | 0 | | | | | |
| 10 kg | 814.65 | 3197.85 | 384.75 | 5398.4 | 3254.0 | 938 | 5755.85 | 3853.05 | 4738.35 | 3859.35 | 1472.55 | 978.05 | | | | | |
| | | | | | | | | | | | | | | 8242814 | | 15543342 | 233150 |

Based on the above dressing % per animal the total live weight received is approximately 15 543.34 tonne and paunch produced is 233.15 tonnes per annum.

COMPLAINTS

No public complaints were received in 20/21 reporting period.

ASSESSMENT OF RESULTS

In the reporting period, AVA has continued to improve the amount of data collection and monitoring.

Irrigation data has been captured consistently for the whole of the reporting period.

In the 2020-2021 period, AVA continued regular monitoring of the final effluent pond and irrigation area which is communicated to DWER via email.

The number of animals slaughtered has decreased between the 2020-2021 period and remains within licence limits

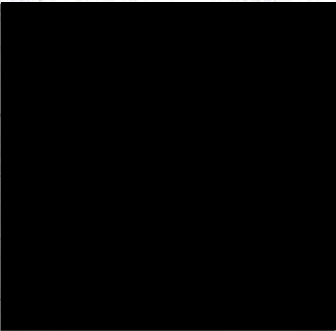
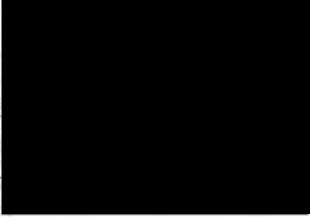
¹ It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

² AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.

Section F – Declaration

I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular.

I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.

| | | | |
|------------------------------|--|-----------------|--|
| Signature ² |  | Signature: |  |
| Name: (printed) | | Name: (printed) | |
| Position: | | Position: | |
| Date: | | Date: | |
| Seal (if signing under seal) | | | |