

HIGHLANDS MOTORSPORT PARK

NOISE MANAGEMENT PLAN

Version 1.7

Document Control

Status:	Version:	Comments:	Date:	Author:	Reviewer:
Draft	1.0	First Draft	22 July 15	Stuart Camp	
Draft	1.1	Client comments added	5 Aug 15	Stuart Camp	Gary Walton
Draft	1.2	Post hearing issues addressed	13 Nov 15	Stuart Camp	
Approved	1.3	Consent details added	5 Feb 16	Gary Walton	Stuart Camp
Approved	1.4	Minor corrections	12 Feb 16	Stuart Camp	
Approved	1.5	Minor corrections	24 Feb 16	Stuart Camp	
Approved	1.6	Management team details	8 Mar 16	Stuart Camp	
Approved	1.7	Council comments added	30 Mar 16	Stuart Camp	

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1.0 PURPOSE AND OBJECTIVES

1.1 Purpose

The purpose of this Noise Management Plan (NMP) is to set out procedures for managing noise impacts on local residents from activity at the Highlands Motorsport Park (Highlands).

1.2 Objectives

1. Comply with consented noise limits.
2. Reduce adverse noise effects on local residents where practicable.
3. Ensure that Highlands and local residents work together to remain good neighbours.

1.3 Summary

This Noise Management Plan has been produced by Highlands Motorsport Park and Marshall Day Acoustics, and provides the framework and mechanism for the management of noise relating to the Highlands Park facilities.

The primary aim in implementing this NMP is to minimise the impact of noise within the local community. In addition it provides the necessary controls for track related activities to ensure compliance with the consented noise conditions.

This NMP is intended to be a dynamic management document to ensure continual improvement. It sets out the management procedures, processes and controls which cover all aspects of mitigating noise impacts. The NMP will be regularly reviewed in line with good operational practice and improvements in noise measurement techniques and noise mitigation measures. It is therefore subject to revised versions being published at the discretion of Highlands Motorsport Park, or in accordance with the annual review process set out in Section 11.0.

2.0 BACKGROUND

2.1 Activities

Highlands Motorsport Park is a high quality tourism venture based around a wide range of activities, ranging from motorsport events to fastlaps, go karts and a Jurassic Park adventure.

Appendix A lists the consent conditions relevant to noise at Highlands Motorsport Park. References to consent conditions in the body of this noise management plan are shown as [*condition #*]. The wording of conditions has been simplified within the body of this plan to assist users. Refer to Appendix A for complete wording.

2.2 Zone 1—Upper Terrace Area

The main entrance area, including the museum and gasoline alley is known in the consent as the “upper terrace area”. Activities permitted in this area are [*condition 3*]:

- The Museum Café;
- Retail activity ancillary to the museum;
- Registration and reception for tourist activities;
- Functions including corporate events, car club events, conferences, weddings, dinners and award evenings;
- Offices and ancillary space;
- Gasoline Alley and workshops;

- servicing of vehicles; and
- parking.

2.3 Zone 2—Track and Trackside

While the race track has been set up as a purpose built motorsport venue, it can also be used for a wide range of other types of sporting, social, and business events. With respect to noise, the track can be used for the following activities [*condition 14*]:

- Motorsport activity including but not limited to club days, members days, vehicle and vehicle equipment testing, rally-cross, jet boating, motorsport events and driver training;
- Outdoor entertainment;
- Functions including but not limited to corporate events, car club events, conferences, weddings, dinners and award evenings;
- Filming including both on track and off track activities;
- Commercial recreation activities including but not limited to high performance sports car rides, “U-drive” activities, go-karts, dirt buggies, Jurassic Park Safari, members laps and passive activities such as the sculpture garden;
- Commercial activities (non-recreational), including but not limited to vehicle launches and promotions, tourism promotion, filming, corporate activities and functions;

2.4 Low noise activities

The permitted activities at Highlands include such things as the go-kart track, sculpture park, a motorsport museum, a Jurassic Park safari, and mini golf. These off-track activities generally produce very low levels of noise, and as such, this Noise Management Plan does not specifically address them.

2.5 Noise effects on residents

The main sound source affecting local residents from Highlands is vehicles on the race track. There is also potential annoyance from the public address systems and traffic on local roads during race events (Tier 2¹).

An online noise feedback form has been established on the Highlands website to provide local residents a platform to record the date, time and nature of any noise annoyances, as discussed in Section 10.0. Feedback will be used by Highlands to identify the types of events and activities that cause annoyance, and to continually improve its noise management processes.

3.0 PERSONNEL

The senior management team of Highlands Motorsport Park is responsible for the development and implementation of this NMP for the site.

Where elements of this NMP are reliant on actions by others such as the Council and local residents, Highlands will work proactively with those parties to achieve the objectives of this NMP.

Contact details for the General Manager and other Highlands staff relevant to this NMP are provided in the following table.

¹ See Section 5.0 for a definition of Tier 1 and Tier 2 activities.

Name	Role	Mobile	Email
Mike Sentch	General Manager	027 521 2021	mike@highlands.co.nz
Josie Spillane	Chief Operating Officer	027 221 4334	josie@highlands.co.nz
Kynan Yu	Manager	027 626 0395	kynan@highlands.co.nz
Daily Operations Manager			info@highlands.co.nz

4.0 COMMUNITY LIAISON

Highlands want local residents to:

- have an understanding of the consent conditions which apply at Highlands;
- have an understanding of activities conducted at Highlands;
- have advance warning of when Tier 2 Days are scheduled;
- understand the processes in place for noise management;
- have mechanisms/contacts to communicate with Highlands.

To achieve this, Highlands will:

- ensure that any scheduled Tier 2 event is shown on a calendar available on the HMSP website no less than 1 month prior to the commencement of the first Tier 2 event of the year, and earlier where possible [*condition 59 and 60*];
- advertise all scheduled Tier 2 events in the Central Otago News (or similar local paper) no less than 1 month prior to the first event of the year [*condition 59*];
- provide access to this NMP online;
- make data from the permanent noise logger available to Council and residents once final calibration and correlation checks are completed;
- address feedback through residents use of the online feedback form discussed in section 10.0.

A maximum of 2 Tier 2 events per year may be scheduled less than one month in advance [*condition 61*]. If this happens, Highlands will:

- include the event on the HMSP website as soon as possible [*condition 61*];
- advertise the event in the Central Otago News (or similar local paper) as soon as possible [*condition 61*]; and
- advise nearby residents of the event by email [*condition 61*].

5.0 NOISE LIMITS

The consented noise limits for various activities at Highlands are summarised in the following table. Unless otherwise stated, the noise limits apply at the notional boundary² of neighbouring dwellings [*conditions 35, 36, 45 and 46, APPENDIX C*].

² The notional boundary of a dwelling is defined as being 20 metres from any dwelling, unless the site boundary is less than 20 metres from the dwelling, in which case the site boundary is the notional boundary.

	<i>Maximum Number of Days per year</i>	<i>Noise Limit</i>	
		<i>0800 – 1800 Mon-Sat 0900—1800 Sunday</i>	<i>All other times</i>
<i>Tier 1—Day to day Activities and Off-track Activities</i>	<i>No limit</i>	<i>55 dB L_{Aeq}</i>	<i>40 dB L_{Aeq}</i>
<i>Tier 2—Event days</i>	<i>16</i>	<i>95 dB L_{Amax} at 30 metres*</i>	<i>40 dB L_{Aeq}</i>

** In accordance with Motorsport New Zealand requirements [condition 42].*

In addition to the above limits:

- Every vehicle using the Highlands track must comply with a noise limit of 95 dB L_{Amax} at a distance of 30 metres [condition 42]. This is discussed in more detail in section 7.1.
- Tier 1 days may extend to 2100 (9 pm) on up to 5 days per year for the purposes of noise monitoring and calibration of the permanent noise logger [condition 37]. Any such evenings must be notified at least 1 week in advance by [condition 38]:
 - Email to the Chief Executive of Council;
 - Email to neighbours; and
 - The HMSP website.
- A Tier 1 day will not be in breach of these conditions as long as any exceedance of the noise limits is for not more than four 15 minute periods [condition 39].
- A Tier 1 day which exceeds the noise limits for more than four 15 minute periods will be counted as a Tier 2 day [condition 40].

5.1 Permanent noise monitoring

Highlands own and operate a permanent noise logger, for the purposes of ongoing monitoring of noise from track-based activities. The logger is located within the Park near the overbridge as shown below.



The logger consists of a Norsonic Nor140 Class 1 sound level meter, fitted with an outdoor microphone kit and powered by solar panels. Weather monitoring is included, giving wind speed and direction, temperature, and rainfall information. The meter will be submitted for a full laboratory calibration every 2 years.

Data from the noise logger is automatically uploaded to a website, www.noiseandweather.co.nz every 15 minutes. Highlands will review this data on a regular basis. The intention of the logger is to determine a correlation between the noise level at the nearest notional boundary and the logger location. In time, this should allow the logger to be used as a simple compliance monitoring tool, accessible to all parties.

The process of determining the correlation between the logger and the nearest notional boundary is complex, and will need to evolve over time based on ongoing results. Highlands will liaise closely with Council with regards to the methodology used. At this stage, the process is likely to involve the following:

- Development of a detailed computer model of the track based on one category of race vehicle (Tier 2);
- Evening measurements of Tier 1 activity to refine the model to suit a range of motorsport activities. These measurements would also include several positions within the Park, typically in the order of 100 metres from the track;
- Noise logging at the “100 metre” positions over periods of several weeks to determine the variation in noise levels from day to day;
- Correlation measurements between the “100 metre” positions and the logger location.

5.2 New Track Activities

When a new track activity is to be undertaken for the first time, the following procedure shall be used [condition 47f]:

- a. For activities using only the main sealed track:
 - The permanent logger shall be used. Noise levels during the event shall be compared to established activities which are known to comply with the specified noise limits;
- b. For activities which also utilise other parts of the park (such as Rally Cross):
 - A suitably qualified acoustic engineer shall be engaged prior to confirmation of the activity, to provide an initial opinion as to the likelihood that it will comply with the consented noise limits.
 - In the event that the acoustic engineer recommends conditions for running the proposed event in order to achieve compliance with the noise limits, the consent holder will adopt those recommendations.
 - Where the opinion of the acoustic engineer supports the ability of the activity to comply, the acoustic engineer shall carry out noise monitoring during the event, and provide a written report to Highlands detailing the findings.

- Any further recommendations from the acoustic engineer to control noise during future events of the same type shall be adopted by the consent holder for those future events.

6.0 EVENT/ACTIVITY MANAGEMENT

6.1 Functions

Functions are permitted at Highlands, subject to the following [*conditions 11 and 25*]:

- In zone 1 (Upper Terrace), functions may occur on any night of the week, until 10.30 pm, with the site cleared by 11.00 pm;
- In zone 2 (Track and Trackside), functions using Sandflat Road for access are also permitted on any night of the week, and must also finish by 10.30 pm, with the site cleared by 11.00 pm.
- Functions in zone 2 which use Cemetery Road for access are not subject to the finish time. However, such functions must comply with the night-time noise limit for Tier 1 activities.

6.2 Temporary Activities

A small number of temporary activities are permitted at Highlands, additional to the activities controlled by the off-track noise limits. These temporary activities may include charity events such as Christmas in the Park or Relay for Life, and are subject to the following [*condition 31*].

- There shall be no more than 3 events per year;
- There shall be at least 5 days between a temporary event and any Tier 2 day; and
- The event shall not be a dedicated music concert.

Any other temporary activities shall comply with the off-track noise limits.

6.3 Helicopters

Helicopters are permitted to land at Highlands, subject to the following [*conditions 26—30*];

- During Tier 2 event days, up to 30 movements (15 landings);
- During Tier 1 days, up to 6 movements (3 landings) per day, and no more than 10 movements (5 landings) per week, where a week means Monday to Sunday;
- Helicopter flight paths and landings shall be in the locations shown in APPENDIX D; and
- HMSP shall maintain a log of helicopter landings, and submit this to Council annually [*condition 29*].

These restrictions on helicopters do not apply to emergency rescue helicopters [*condition 30*].

6.4 Park use log

Highlands will maintain a log, to allow Council to verify the number of Tier 2 days throughout a year (1 July to 30 June) [*condition 44*]. The log will include details of each Tier 2 Day, including:

- Date;
- Event/activity organiser/hirer;
- Start/finish times;
- Summary of trackside noise levels if monitored;
- Actions taken on vehicles exceeding trackside limits.

A separate log of complaints will also be kept in accordance with Section 10.0 of this NMP. The usage log will be submitted to Council annually.

6.5 Track Hire

Highlands will ensure that any external hirer of the motorsport track are aware of the consented noise limits, and that they effectively manage noise in accordance with this NMP.

Each hirer of the track will be responsible for noise management of their activity. Highlands will include a contractual requirement for hirers to operate in accordance with this NMP as part of the Terms of Hire.

6.6 Member Days

Highlands will be directly responsible for noise management during member days. All users of the park during member days will be required to sign in with track management prior to entering the track. This sign in process will include an acknowledgement of this NMP and individual vehicle noise limits.

Highlands will undertake periodic trackside monitoring to ensure that member cars comply with the individual vehicle noise limit of 95 dBA (section 7.2). Highlands may specify a lower vehicle noise limit for members cars to ensure compliance with the Tier 1 noise limit.

6.7 Conflicts with Speedway

Highlands will ensure that, wherever possible, Tier 2 events do not coincide with a Speedway event, by *[condition 47k]*:

- Checking the Speedway calendar (<http://www.centralmotorspeedway.co.nz/calendar>) prior to scheduling any Tier 2 event;
- Providing email notification to the Speedway when a Tier 2 event is scheduled, and reminding them of Highland's obligations to avoid conflicts.

There are specific restrictions on Tier 2 events on a day where there is also an event at the Speedway. In particular *[conditions 53 and 54]*:

- There shall be no more than two Tier 2 days over Easter if a speedway event occurs on Good Friday, Easter Saturday or Easter Monday;
- If a Tier 2 event and a Speedway event coincide on Easter Sunday, the Tier 2 event shall not commence before 10 am and either Good Friday or Easter Monday must be a Tier 1 day;
- No other Tier 2 day shall be scheduled to occur on a day where a speedway event is already scheduled.

6.8 Restrictions on Tier 2 activities

- Tier 2 activity shall be suspended during a burial at the Cromwell Cemetery, and half an hour either side of the ceremony, provided Highlands are given at least 2 days' notice *[condition 49]*. Refer to the Event Management Plan for further details in relation to this.
- Tier 2 days may only occur on up to 2 Public Holidays per year *[condition 50]*.
- No activity shall occur at Highlands on Christmas Day or before 1 pm on Anzac Day *[condition 51]*.
- Scheduled Tier 2 events shall only occur in the months of October to April inclusive *[condition 52]*.

- Multi-day Tier 2 events shall not exceed 4 days duration [*condition 55*].
- There shall be no more than three Tier 2 events exceeding two days duration in any year [*condition 55*].
- Multi-day Tier 2 events may not occur on consecutive weekends [*condition 56*].
- There must be at least 5 days between a multi-day Tier 2 event and any other Tier 2 day [*condition 57*].
- When a multi-day Tier 2 event occurs on a weekend, at least one day of the following weekend shall be a Tier 1 day [*condition 58*].

7.0 VEHICLE NOISE MANAGEMENT

7.1 Vehicle noise limits

Other than special interest vehicles, all vehicles using the Highlands track will comply with a vehicle noise limit consistent with the requirements of MotorSport NZ [*condition 42*].

The trackside noise limit is **95 dB L_{AFmax}** , measured at a distance of **30 metres** from the vehicle. While most vehicles using the track are subject to the MotorSport NZ standard regardless, the raceway trackside noise limit in this NMP applies to all classes of vehicles other than special interest vehicles.

The measurement methodology is contained in the MotorSport NZ Manual 35, Appendix 2, Schedule A, Clause 3.8, and is as follows:

“...

3.8 Vehicle Noise Level:

(1) Races: No vehicle may exceed 95dB(A). The measurement shall be taken thirty(30) metres at a right angle from the track at a point where the vehicle is at maximum power. No compensation for differing climatic conditions shall be applied.

...”

7.2 Vehicle Noise Testing—Tier 1 Days

To allow vehicles on the track for the purposes of testing compliance with the trackside noise limit, or to check vehicles involved in outside hire of the track, the following interim procedure will be used. This procedure will be refined as the correlation of the permanent noise logger is completed.

- Ensure that the vehicle enters the track within a 15 minute period beginning on a ¼ hour,
- Allow the vehicle to undertake one warm up lap, followed by up to 4 laps at full speed,
- Remove the vehicle from the track, and wait until the permanent noise logger results are updated at the end of the 15 minute period,
- Check the recorded L_{max} noise level during the relevant 15 minute period. If this is less than 95 dBA, the vehicle is deemed to be compliant,
- If there was other track activity during the 15 minute period, review the 1-second logger data, and ensure that the highest recorded 1-second L_{eq} from the vehicle being tested is less than 93 dBA, and
- If the recorded noise levels exceed these values, do not allow the vehicle back on the track until appropriate muffler modifications are made.

Vehicle owners shall not be told what level of noise their vehicle produces under this test, only whether or not they comply.

Highlands may choose to set a lower trackside noise limit for member cars.

7.3 Trackside Noise Monitoring—Tier 2 Days

Highlands will verify that every vehicle using the track is complying with the trackside noise limit set out in Section 7.1, including those operated by external track hirers.

Highlands will monitor noise levels 30 metres from the vehicle path at a suitable location approximately half way down the main straight.

Highlands will also utilise the permanent logger where appropriate. See section 7.2.

Monitoring will be at an alternative location when vehicles are using one of the smaller circuits.

The monitoring will be undertaken using a hand-held meter. Highlands own two hand-held sound level meters. The meters are CEM DT-8852, class 2 meters, and during measurements will be set to measure with fast time-weighting and A frequency-weighting. Highlands will ensure that the calibration of these meters is checked at least every six months, and submitted for a full calibration every 2 years.

Trackside noise monitoring will be performed during all Tier 2 events, sufficient to ensure that all vehicles on track are compliant.

Monitoring will not take place in wet conditions where the monitoring equipment could be damaged. In addition, monitoring with the handheld meters will not take place in wind speeds exceeding 3 m/s (light breeze). Wind speed can be retrospectively checked on the permanent logger if necessary.

The time and noise level for each vehicle pass-by during monitoring will be recorded, where individual vehicles can be distinguished.

7.4 Special Interest Vehicles

Special interest vehicles are permitted on the track at Highlands, subject to the following constraints [*condition 42*]:

- They shall only be used on Tier 2 days;
- They shall be used on no more than 4 days per year;
- Their time on track shall not occur in more than four 15 minute periods on any day.

No specific noise limit applies to special interest vehicles.

A special interest vehicle is defined as a “...unique or rare vehicle of special or particular interest to the car collecting community. For example, a Formula One race car...” [*condition 42*].

7.5 Rally Cross

Use of the rally cross track is not permitted until an additional earth bund is constructed near the eastern boundary of the Highlands site [*condition 15*].

All rally cross events are treated as Tier 2 events [*condition 43*].

7.6 Off-site Noise Monitoring

Off-site noise monitoring will be carried out by Marshall Day Acoustics during at least one Tier 2 race event during 2016. This monitoring will include measurements at representative dwellings in the

area, including at Bannockburn. Additional monitoring days may be required to capture other wind conditions [condition 47 m].

The results of this monitoring will be used to form a baseline of noise levels from Tier 2 activity at Highlands. Ongoing results from the permanent logger will then be analysed following each Tier 2 event, to ensure that overall noise levels from these activities are not increasing.

It is not generally possible to accurately measure noise from Tier 1 activities at neighbouring dwellings. Compliance with the Tier 1 noise limits at neighbouring dwellings will primarily be determined by reference to Tier 2 monitoring, adjusted on the basis of the permanent logger data for typical Tier 1 activity compared to Tier 2 activity [condition 47 n].

7.7 Special Audible Characteristics

Highlands will take steps to ensure that vehicles using the track do not generate special audible characteristics [condition 47 i]. In particular:

- Any driver generating tyre squeal on a frequent basis shall be removed from the track and reminded of his obligations to avoid such behaviour; and,
- Any vehicle prone to regular backfiring shall be removed from the track until such time as the exhaust is modified to address the problem.

7.8 Noise reduction initiatives

Highlands are committed to minimising noise annoyance/disturbance from track users for local residents. The following measures will be investigated to assist in this process.

- Improved mufflers on vehicles owned by Highlands;
- A reduced trackside noise limit for some days/activities;
- Identify and address vehicles that might not generate high sound levels, but are causing the greatest annoyance to residents. This process will be dependent on resident feedback;

This list is not exhaustive. It is the intention of Highlands to review and expand this list of initiatives over time through further dialogue in a continuous process with local residents.

Highlands will provide a record of the initiatives investigated and whether they were employed or not as part of the NMP review submitted to the Chief Executive each Year.

8.0 TRACK FACILITIES NOISE MANAGEMENT

8.1 Public address systems

Highlands will actively endeavour to avoid and minimise noise annoyance and disturbance from the public address systems. As far as possible, the public address systems will be inaudible at the nearest houses.

The sound level from the public address system shall not exceed the Tier 1 noise limits [condition 63].

Highlands will periodically look at the design and operation of the installed public address system in response to feedback from residents.

8.2 Maintenance operations

Maintenance operations are not generally expected to generate adverse noise effects or annoyance/disturbance for residents. However, as a precaution, all maintenance activities will be undertaken on weekdays between 0800 and 1800 where practicable.

9.0 SPECTATOR NOISE MANAGEMENT

9.1 Traffic management

Spectator road-traffic associated with events has the potential to cause noise disturbance. This can be minimised by effective temporary traffic management, in accordance with the Highlands Event Management Plan.

9.2 Spectators

Noise complaints have not been received about spectators at the park. At this time, no specific management procedures are in place for noise from people.

10.0 COMPLAINT PROCEDURES

Highlands are committed to addressing complaints quickly and, if the complaint relates to excessive or unreasonable noise, for the situation causing the complaint not to be repeated.

Complaints can be made by email to the person responsible for operations at highlands on the day by emailing info@highlands.co.nz.

Highlands will also maintain a feedback form on their website that allows residents to comment on or lodge non-urgent complaints about activities at the park.

Highlands will ensure that any complaints are actioned within 24 hours, and a response provided to the submitter. Highlands will maintain a log of all complaints, showing the date and time of the complaint, and the action taken [*condition 66*].

The complaints log will be made available to Council on request [*condition 66*].

11.0 REVIEW

Highlands will submit the following information to Council no later than 14 July each year [*condition 98*]:

- A copy of this NMP, following its annual review [*condition 48*];
- A copy of the Event Management Plan, following its annual review [*condition 65*];
- A copy of the log of Tier 2 days [*condition 44*]; and
- A copy of the log of helicopter movements [*condition 29*].

APPENDIX A CONDITIONS OF CONSENT

The following is a copy of the consent conditions applicable to Highlands Motorsport Park which are relevant to noise in the context of this noise management plan.

Definitions Used in Conditions:

For the purposes of these conditions:

- **“Chief Executive”** means the Chief Executive of the Central Otago District Council.
- **“HMSP”** means Highlands Motorsport Park.
- **“Multi Day Tier 2 Event”** means a Tier 2 Event of 2 or more consecutive days.
- **“On-Track Activities”** means activities taking place on the Track, and any ancillary activities.
- **“Off-Track Activities”** means any activity taking place on any part of the site that is not defined as the Track.
- **“Rally-cross Activities”** means motor racing in which cars are drive over a course including the unsealed rally-cross track and the sealed race track.
- **“Speedway”** means the land and buildings comprised in Certificate of Title 413533 legally described as Lot 1 Deposited Plan 403966.
- **“Track”** means the sealed race track, rally cross track and the lake all identified in orange on the plan “Proposed Zoning Map Highlands Motorsport Park, Cromwell” S14361, Drawing 03, Revision C dated 27 May 2015.
- **“Tier 2 Activity”** means an On-Track activity that is to take place under the Tier 2 Noise Limited in Condition 35 below and which has been notified with less than one month’s notice.
- **“Tier 2 Days”** means both Tier 2 Activity and Tier 2 Events.
- **“Tier 2 Event”** means an event held at HMSP that is to take place under the Tier 2 Noise Limits in Condition 35 below and which has been notified with one month or more notice.
- **“Year”** means period between 1 July and 30 June of any consecutive year.
- **“Zone 1”** means that area defined as Zone 1 – Upper Terrace Area on the plan “Proposed Zoning Map Highlands Motorsport Park, Cromwell” S14361, Drawing 03, Revision C dated 27 May 2015.
- **“Zone 2”** means that area defined as Zone 2 – Tracks and Trackside and Zone 3 – Track on plan “Proposed Zoning Map Highlands Motorsport Park, Cromwell” S14361, Drawing 03, Revision C dated 27 May 2015.

...

Zone 1 – Upper Terrace Area

Activities

3. The following activities can be undertaken within Zone 1:

- a. Highlands National Motorsport Museum Café to be located within the museum building;
- b. Retail activity ancillary to operation of the HMSP within the museum building;

- c. Registration and reception area for tourist activities which occur either or both of Zone 1 and Zone 2;
- d. Functions including but not limited to corporate events, car club events, conferences, weddings, dinners and award evenings;
- e. Offices and ancillary space; f. Gasoline Alley and workshops, including storage, maintenance, repair and
- f. servicing of vehicles; and
- g. Any activity ancillary to the above, such as parking.

...

Functions

- 11.** Functions in Zone 1 may only occur until 10:30 pm seven nights per week, with all persons departing the site by 11:00pm.

...

Zone 2 – Tracks and Trackside

Activities

- 14.** The following activities can be undertaken within Zone 2:

- a. On-track activity including but not limited to club days, members days, vehicle and vehicle equipment testing, rally-cross, jet boating, motorsport events and driver training;
- b. Outdoor entertainment;
- c. Functions including but not limited to corporate events, car club events, conferences, weddings, dinners and award evenings;
- d. Filming including both on track and off track activities;
- e. Commercial recreation activities including but not limited to high performance sports car rides, “U-drive” activities, go-karts, dirt buggies, Jurassic Park Safari, members laps and passive activities such as the sculpture garden;
- f. Commercial activities (non-recreational), including but not limited to vehicle launches and promotions, tourism promotion, filming, corporate activities and functions;
- g. Residential accommodation provided it is located in the Pit Lane area indicated on the “Proposed Zoning Map Highlands Motorsport Park, Cromwell” S14361, Drawing 03, Revision C dated 27 May 2015; and
- h. Any activity ancillary to the above, such as parking.

For avoidance of doubt bookings, pick-ups and administration associated with activities in Zone 2 may be carried out within Zone 1 in the reception area within the museum building and the adjacent carpark.

Rally-Cross Track

15. Prior to the commencement of activity on the rally-cross track the consent holder shall establish and plant an earth bund that shall have a minimum height of 4 metres or an acoustic fence designed by an appropriately qualified acoustic engineer which achieves comparable sound attenuation to the bund, such bund/fence is to be located between the rally-cross track and the eastern boundary of the site.

...

Functions

25. Functions in Zone 2 where access is achieved via Sandflat Road may only occur until 10:30 pm seven nights per week, with all persons departing the site by 11:00pm.

Note: Where access to the function is achieved solely via Cemetery Road Condition 25 does not apply.

Helicopter Landing/Take-Off

26. During any Tier 2 Day notified in accordance with Conditions 59, 60 and/or 61 there shall be no more than 30 helicopter movements (15 flights).
27. For Tier 1 Days the number of helicopter movements shall not exceed 6 per day (3 flights) or 10 per week (5 flights). A week shall be Monday to Sunday.
28. Any helicopter landing at the site will land within that portion of the Helicopter Landing Zone identified on the plan entitled "Proposed Helicopter Flight Paths Highlands Motorsport Park, Cromwell", S14361, Drawing 02, Revision D dated 10.11.15 which is east of the Track.
29. The consent holder shall maintain a log of helicopters landing at HMSP between 1 July and 30 June each year. The log shall be submitted to the Chief Executive no later than 14 July each year; and the Chief Executive may request the log more frequently. If the Chief Executive requests the log it shall be provided no more than one week following the request.
30. For the avoidance of doubt Conditions 26-29 do not apply to any emergency rescue helicopter that may be required to attend HMSP in the event of an emergency.

Temporary Activities – Whole of HMSP – Zone 1 and Zone 2

31. Temporary activities, as defined in the Central Otago Operative District Plan, which do not comply with the noise limits for off-track activities in Condition 45, which may include charity events such as Christmas in the Park or Relay for Life, are subject to the following controls:
- a. such events are not to exceed three per Year;
 - b. there shall be at least 5 days between the event and any Tier 2 Day; and
 - c. the event shall not be a dedicated music concert which involves the playing or performance of amplified music.
32. A temporary activity which can comply with the noise limits applying to a Tier 2 Day as defined in Condition 35 may be counted as a Tier 2 Day so long as the limit of 16 Tier 2 Days per Year is not exceeded.

33. All other temporary activities, as defined in the Central Otago Operative District Plan, are to comply with the noise limits for off-track activities contained in Condition 45.

General Conditions

Noise Conditions

34. Noise levels shall be measured in accordance with NZS 6801:2008 Acoustics—Measurement of environmental sound, and assessed in accordance with NZS 6802: 2008 Acoustics— Environmental noise, except that no adjustment for special audible character or duration shall be applied.
35. Each day's use of the Track will be classified as a Tier 1 Day or a Tier 2 Day. A Tier 1 Day is subject to the Tier 1 Day noise limits shown in the table below and subsequent conditions as specified. A Tier 2 Day is subject to the Tier 2 Day noise limits shown in the table below and subsequent conditions as specified:

<i>Maximum Number of Days per year</i>		<i>Noise Limit, L_{Aeq}</i>	
		<i>0800 – 1800</i>	<i>1800 - 0800</i>
<i>Tier 1 Day</i>	<i>No limit</i>	<i>55 dB</i>	<i>40 dB</i>
<i>Tier 2 Day</i>	<i>16</i>	<i>N/A*</i>	<i>40 dB</i>

* Refer to Condition 42 for applicable limits.

36. Notwithstanding Condition 35 above, on any Tier 1 day that falls on a Sunday 40 dB L_{Aeq} must be complied with until 0900 (9:00am) on that day.
37. Notwithstanding Condition 35 above, on five Tier 1 Days per Year the noise limit of 55 dB L_{Aeq} shall apply until 2100 hours (9:00pm) provided that the purpose of any Track Activity in this time is to facilitate noise monitoring and the calibration of proxy measurement locations or a noise model in accordance with the noise management plan.
38. Where activities are to occur in accordance with Condition 37 above the consent holder shall notify their intention at least a week in advance in the following ways:
- By email to the Chief Executive;
 - By email to those neighbours who have provided their email to the consent holder for that purpose;
 - On the event calendar on the HMSP website.
39. On any Tier 1 Day if the daytime (0800-1800 hrs) noise limits in Condition 34 are exceeded for more than one 15 minute period the conditions of this consent will be breached unless:
- the exceedance was not for more than four 15 minute periods; and
 - the total used and scheduled Tier 2 Days for the Year is less than 16.
40. Where the Tier 1 Day noise limits are breached under Condition 39 and clauses (a) and (b) of that Condition are both satisfied that day shall be counted as a Tier 2 Day and added to the tally of Tier 2 Days, and the Chief Executive shall be notified of this within 5 working days.
41. Where the Tier 1 Day noise limits are breached under Condition 39 and one or other of clauses (a) and (b) of that Condition is not satisfied the consent holder shall advise the Chief Executive in writing of the breach with an explanation of how it occurred within 5 working days.

42. Every vehicle using the Track shall comply with a noise limit of 95 dB L_{Amax} measured 30m from the sound source and measured in accordance with the New Zealand Motorsport Standard, except that on no more than 4 (of 16) Tier 2 Days the consent holder may allow 'special interest vehicles' to undertake exhibition laps for no more than four 15 minute periods.

For the purpose of this condition a 'special interest vehicle' is a unique or rare vehicle of special or particular interest to the car collecting community. For example, a Formula One race car.

43. Any Rally-cross activity on the Track as identified on the plan "Proposed Zoning Map Highlands Motorsport Park, Cromwell" S14361, Drawing 03, Revision C dated 27 May 2015 shall be treated as a Tier 2 Event for the purposes of Condition 35 above. Activities, other than Rally-cross activities, that comply with the Tier 1 noise limits will not be considered a Tier 2 Event solely for the reason that they take place on the rally-cross track.
44. The consent holder shall maintain a log of Tier 2 Days held at HMSP between 1 July and 30 June each year. The log shall be submitted to the Chief Executive no later than 14 July each year; and the Chief Executive may request that the log be provided more frequently. If the Chief Executive requests the log it shall be provided no more than 1 week following the request.
45. All Off-Track activities shall comply with the limits specified in the table below. These noise limits shall be achieved at any point within the notional boundary of any dwelling identified on the plan "Aerial Overview Highlands Motorsport Park, Cromwell" S14631, Drawing 01, Revision C dated 7 August 2015.

<i>Maximum Number of Days per year</i>		<i>Noise Limit, L_{Aeq}</i>	
		<i>0800 – 1800</i>	<i>1800 - 0800</i>
<i>Any Off-track activity</i>	<i>No limit</i>	<i>55 dB</i>	<i>40 dB</i>

46. Notwithstanding condition 45 above any Off-Track activity taking place on a Sunday must comply with 40 dB L_{Aeq} until 0900 (9:00 am) on that day.
47. The consent holder shall prepare and implement a Noise Management Plan. The Noise Management Plan shall be prepared by a suitably qualified acoustic engineer and shall include the following:
- Establishment of a permanent onsite noise monitoring station at the location identified as "Sound Logger" on the plan "Proposed Zoning Map Highlands Motorsport Park, Cromwell" S14361, Drawing 03, Revision C dated 27 May 2015 to assist in the management of noise generating activities at HMSP.
 - Ongoing calibration requirements for the Sound Logger.
 - Process for establishing a correlation between the Sound Logger and the Notional Boundary of identified dwellings on plan "Aerial Overview Highlands Motorsport Park, Cromwell" S14631, Drawing 01, Revision C dated 16 October 2015.
 - Review of on-site noise monitoring data to assess the ongoing appropriateness of the location of the Sound Logger and indicative compliance with sound levels identified in Condition 34 at any point within the notional boundary of any dwelling identified on plan "Aerial Overview Highlands Motorsport Park, Cromwell" S14631, Drawing 01, Revision C dated 16 October 2015.
 - Details of the procedure for measuring noise from individual vehicles, and the process to be used for addressing any non-compliance with Motorsport New Zealand noise limits;
 - Monitoring protocol to be followed when a new Track Activity is to be undertaken for the first time to determine compliance with Condition 35.

- g. Review and assessment of Off-Track activities to ensure compliance with Condition 45.
 - h. Calibration of the Public Address system to ensure compliance with Condition 63 below.
 - i. Methods to be used to ensure that use of the track by activities that may possess special audible characteristics are not of a duration or a frequency to trigger the application of the special audible character and duration adjustments to the monitored noise levels.
 - j. Establishment of an online tool displaying real time data from the onsite noise monitoring station. The online tool shall be accessible by the Chief Executive and ultimately the public once the correlation between the Sound Logger and notional boundaries is resolved.
 - k. Procedure to be followed in scheduling Tier 2 events to avoid to the extent practicable Tier 2 Days coinciding with an event at the neighbouring speedway.
 - l. Procedures for receiving, addressing and recording complaints.
 - m. Provide a programme of off-site noise monitoring on Tier 2 Days at nearby dwellings to show that the noise received at those dwellings is not unreasonable and that the noise effects on those properties is not increasing over time due to the operation of the HMSP on Tier 2 Days.
 - n. Provide a programme of off-site noise monitoring to demonstrate compliance with the Tier 1 Day noise limits as received in Bannockburn.
- 48.** The consent holder shall review the Noise Management Plan annually and provide such review to the Chief Executive for certification as complying with the requirements of Condition 47 above no later than 14 July each year.
- 49.** If a burial is scheduled at the Cromwell Cemetery during any Tier 2 Activity, then the activity shall be suspended for the period of the ceremony and half an hour either side of the ceremony as notified to the consent holder by the funeral director or person responsible for the funeral arrangements, provided that at least 2 days' notice has been given to the consent holder in accordance with the Event Management Plan required under condition 64 below.
- 50.** Tier 2 Days may take place on no more than 2 Public Holidays in Central Otago per year.
- 51.** No On-Track or Off-Track Activity (whether Tier 1 or Tier 2) within Zone 2 shall take place on Christmas Day or before 1pm on Anzac Day.
- 52.** All Tier 2 Events as defined for these conditions shall take place during a seven (7) month season between and including the months of October and April. For avoidance of doubt this does not preclude Tier 2 Activities as defined occurring between May and September inclusive.
- Note: Condition 61 limits the maximum number of Tier 2 Activity days to two per year.
- 53.** The following condition shall apply to Tier 2 Days that coincide with a Speedway event at the Speedway track during Easter Weekend (Friday to Monday inclusive).
- a. There shall be no more than two Tier 2 Days over Easter Weekend if a Tier 2 Day coincides with a Speedway event on Good Friday, Easter Saturday or Easter Monday.
 - b. If a Tier 2 day and a Speedway event coincide on Easter Sunday, then:
 - i. The Tier 2 Day shall not commence until 10am; and
 - ii. One of Good Friday or Easter Monday must be a Tier 1 Day.
 - c. It shall not be a breach of this condition where the consent holder:
 - i. has scheduled its Tier 2 Days in good faith to avoid coinciding with a Speedway event; and

- ii. when a misunderstanding or change of schedule by the adjoining Speedway causes events to be held on the same calendar day.

This exclusion shall not be relied on to permit Tier 2 Days and Speedway events to coincide on more than two (2) days over Easter Weekend.

Advice Note: This condition does not apply where only Tier 1 activities are occurring.

- 54. (a) Other than in accordance with Condition 53 no Tier 2 Activity shall take place on any calendar day on which a motor racing event is held at the neighbouring Speedway track;
(b) It shall not be a breach of this consent where in good faith the Consent Holder has scheduled its events not to coincide with the neighbouring Speedway track when a misunderstanding or change of schedule by the adjoining Speedway causes events to be held on the same calendar day;
(c) Clause (a) does not apply on days which become Tier 2 Days due to the operation of Condition 40.
- 55. Multi Day Tier 2 Events shall not exceed four days in duration and there may be no more than three Multi Day Tier 2 Events of three or four days' duration in any Year.
- 56. Multi-day Tier 2 Events provided for under condition 55 above may not occur in consecutive weeks. A week shall be Monday to Sunday.
- 57. There must be at least 5 days between a Multi-day Tier 2 Event or Activity and another Tier 2 Day.
- 58. When a Multi-day Tier 2 Event or Activity includes one or more weekend days, at least one day of the following weekend shall be limited to Tier 1 activities and Offtrack activities only.
- 59. The consent holder shall notify any Multi Day Tier 2 Event or Activity, including whether any special interest vehicles are to be run during the relevant event, in the following ways:
 - a. on the Event Calendar available on the HMSP website no less than 1 month prior to the first Tier 2 Event of the Year, and
 - b. in the Central Otago News (or other free local paper with a similar circulation area) no less than 1 month prior to the first Tier 2 Event of the Year.
- 60. All other Tier 2 Days shall be notified no less than one month prior to the event where possible.
- 61. If a Tier 2 Day is scheduled less than one month in advance the event shall as soon as practicable be:
 - (a) included on the Event Calendar on the HMSP website and be subject to a notice in a local paper (consistent with Conditions 59 a. & b.); and
 - (b) advised by email to nearby residents if they have made their email addresses available to the consent holder for this purpose.

A Tier 2 Day notified under this Condition may not occur more than twice in any Year.
- 62. Where a Tier 1 Day becomes a Tier 2 Day due to the operation of Condition 40 the notification requirements under Condition 61 shall not apply.
- 63. The sound level from the amplified public address system shall be kept at less than 55 dB LAeq at any point within the notional boundary of any dwelling identified on the plan "Aerial Overview Highlands Motorsport Park, Cromwell" S14631, Drawing 01, Revision C dated 16 October 2015.
- 64. The consent holder will prepare an Event Management Plan which shall address the following:
 - a. Matters relating to the notification of affected neighbouring property owners prior to the running of Tier 2 events, such as email notification of those neighbours who request it;
 - b. Fire risk management procedures;

- c. Communication and management protocols in relation to the potential for conflict with services at the Cromwell Cemetery including the liaison process required to give effect to condition 49 above.
- d. The process for receiving, addressing and recording complaints associated with events at the HMSP;
- e. Other management measures to reduce off-site adverse effects of hosting events; and
- f. Helicopter landing areas.

65. The Event Management Plan shall be reviewed annually and shall be provided to the Chief Executive for certification as complying with the requirements of Condition 64 no later than 14 July in any year.

Advice Note: The noise limits in this consent shall not apply to helicopters in flight.

Complaints Log

66. The consent holder shall maintain a log of all complaints made by members of the public with respect to noise associated with activity conducted at the site, and shall make such log available to the Chief Executive on request.

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Review and monitoring

98. The consent holder shall provide the following information to the Chief Executive no later than 14 July each year:

- a. A copy of the Noise Management Plan including any amendments made following the annual review of that plan required in accordance with Condition 48;
- b. A copy of the Event Management Plan including any amendments made following the annual review of that plan required in accordance with Condition 65;
- c. A copy of the log of Tier 2 days held in the preceding year as required under Condition 44; and
- d. A copy of the log of helicopter movements to the site in the preceding year as required under Condition 29.

99. In accordance with section 128 of the Resource Management Act 1991, the conditions of this consent may be reviewed on and in the period within six (6) months upon each anniversary of the date of this consent, if on reasonable grounds, the consent authority finds that:

- a. There is or is likely to be an adverse environmental effect as a result of the exercise of this consent which was unforeseen when the consent was granted.
- b. Monitoring of the exercise of the consent has revealed there is, or is likely to be a significant adverse effect on the environment.
- c. There has been a change in circumstances such that the conditions of consent are no longer appropriate in terms of the purpose of the Act.

100. Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent shall be at the consent holder's expense.

101. The consent holder shall pay to the Council all required administration charges fixed by the Council pursuant to section 36 of the Act in relation to:

- a. Administration, monitoring and inspection relating to this consent; and
- b. Charges authorised by regulations.

APPENDIX B HIGHLANDS MOTORSPORT PARK ZONING PLAN



APPENDIX C COMPLIANCE LOCATIONS



APPENDIX D HELICOPTER FLIGHT PATH AND LANDING AREA

